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Manitoba Co-OPERATOR

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Fusarium conference hears of disease resurgence

Western Canada's worst crop disease is still a serious issue, researchers say

BY ALLAN DAWSON
Co-operator staff / Ottawa

This was one of the worst years for fusarium head blight in western Canadian spring wheat — a sobering backdrop to the 8th Canadian Workshop on Fusarium Head Blight, held here Nov. 20-22.

More than 200 scientists from Canada, the United States, Germany, England, Australia, Switzerland and beyond reviewed the latest research into fusarium head blight, a yield- and quality-robbing fungal disease.

"The 2016 western Canadian wheat harvest is potentially the worst on record for fusarium head blight (FHB) damage and DON (deoxynivalenol, a mycotoxin) levels in many crop districts," Canadian National Millers Association president Gordon Harrison told the meeting. "Fusarium damage is 1.5 to five times more than experienced in recent years."

The United States suggests

See **FUSARIUM** on page 7 »

TB in the spotlight again with Alberta outbreak

Manitoba's drawn-out history with bovine tuberculosis highlights the long road ahead for our Alberta neighbours



Elk remain the main reservoir of TB for deer and cattle in the Riding Mountain Park area. FILE PHOTO

BY JENNIFER PAIGE
Co-operator staff / Brandon

As Alberta begins to feel the repercussions of a confirmed case of bovine tuberculosis (TB), Manitoba looks to close its nearly two-decade-long chapter with live animal TB testing.

"As we witness what is happening in Alberta, it really shows how quickly this can take place and how fast it can affect the entire province. We certainly don't want to go back there," said Brian Lemon, general manager of the Manitoba Beef Producers.

Manitoba has been dealing with TB in the Riding Mountain National Park (RMNP) region since 1991.

In 2000, a task force for bovine TB was established to co-ordinate a program to eliminate the disease. This task force includes representatives from Manitoba Conservation, Manitoba Agriculture, Canadian Food Inspection

Agency (CFIA), Parks Canada, Manitoba Beef Producers and the Manitoba Wildlife Federation.

"We are well into this year's activities and two of the most significant things from past years are not on the table this year. No. 1, we are not doing any testing of domestic livestock herds and it is the first time in a long, long time," said Allan Preston, lead co-ordinator of the RMNP TB eradication project. "And secondly, we are not doing any live capture of elk or deer in the core area of the park. We are relying instead on hunter-kill surveillance, so the absence of those two key activities tells you that we are well along the road to our ultimate goal of eradicating the disease."

During the 2015-16 TB eradication program, 39 domestic livestock herds were tested, resulting in 4,300 negative test results. Approximately four herds were put under quarantine as the wet spring made pen conditions unfavourable for testing.

Hunter-killed submissions of 162

white-tailed deer, 74 elk and three moose were all returned negative. Seventy-three mature cow elk were live tested, all returning negative results.

Following this clean bill of health, CFIA announced this spring Manitoba would no longer need to undertake live animal testing through the eradication program.

"It has been a long, long road for us but it is not the time to take our foot off the gas and assume we are out of the woods either," Lemon said.

When it comes to cattle, Preston says that as long as slaughter samples continue to come back negative, the eradication program will not conduct any live animal testing or any ongoing capturing of live animals in the coming years.

"On the wildlife side we still need a certain number of hunter-killed samples to make sure we are covering the bases and if we have less than an opti-

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DID YOU KNOW?

Canola oil can help trim inches off the waist

Researchers found a significant decrease of belly fat in a clinical trial of obese subjects who consumed canola oil

STAFF

Canola oil can help reduce belly fat, a new study has found.

About 20 per cent of adults in Canada have metabolic syndrome, a cluster of conditions — including belly fat — that increase the risk of heart disease, stroke and diabetes. Researchers at the University of Manitoba, Laval University, and Penn State University tested five types of oils and found a significant decrease in abdominal fat of subjects on the canola and high-oleic canola oil diets.

"These results are likely due to the monounsaturated or 'good' fat that make up a large part of canola and high-oleic canola oil," said Penny Kris-Etherton, a professor of nutrition at Penn State University who oversaw the study.

The researchers conducted a clinical trial with 101 participants to compare the effects of five oils: canola oil; high-oleic canola oil; high-oleic canola oil with DHA (an omega-3 fatty



The "good" fat that makes up a large part of canola and high-oleic canola oil can help reduce belly fat and decrease blood pressure. PHOTO: THINKSTOCK

acid); a corn and safflower oil blend; and a flax and safflower oil blend. The oils were consumed in smoothies twice a day as part of the participants' daily diet. The subjects were randomized to a sequence of the five diets, which they followed for four weeks at a time with a period of four weeks in between during which they followed their usual diet. All of the participants had

central obesity and at least one additional risk factor for metabolic syndrome — high blood pressure, blood sugar, triglycerides or low "good" HDL cholesterol.

At the end of the two-year study, researchers not only saw a significant decrease in abdominal fat mass in those on the canola and high-oleic canola oil diets but also a decrease in blood pressure.

READER'S PHOTO



PHOTO: DONNA GAMACHE

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Compensation promised for ranches under TB quarantine

Ottawa promises financial help while Alberta Beef Producers trying to arrange for feedlots to take in calves

BY JENNIFER BLAIR

Staff

Beleagued Alberta ranchers with quarantined herds are getting some relief as the Canadian Food Inspection Agency has approved a beef industry plan to allow calves to be sent to feedlots.

"We're working with the CFIA on the conditions and requirements," said Rich Smith, executive director of Alberta Beef Producers. "Obviously, it would be hard to get a feedlot to accept quarantined calves unless they know exactly what is going to be in store for them — particularly what would be the impact on the other cattle in the feedlot.

"We're trying to get those details completed, and once they are, it would be a case of producers and our organization approaching feedlots to see if they would be willing to take these quarantined calves. That would be quite a relief for some of those ranchers who just don't have the facilities for the calves."

The CFIA began the quarantine in southeastern Alberta after a cow infected with bovine tuberculosis was traced back to a herd near Jenner in late September. To date, between 35 and 40 operations have been quarantined, primarily in Alberta, with "fewer than five" operations quarantined in southern Saskatchewan.

At press time, there were six confirmed TB cases, all from the original infected herd, and while the CFIA increased testing in recent weeks, "it will still take several months" to complete the testing, Smith said in an interview Nov. 25.

"They're about a third of the way through the cattle that they need to test, and it's been a month to get to this point," he said. "We think they can go a little faster, so hopefully, it won't take them two more months to get through the remaining two-thirds. But it could."

Some of the tests on live animals have resulted in false positives, so that's delaying the process, said Smith.

"If they have a positive reaction to the live test, they won't confirm that the animal has TB until they get the results of the tissue culture, and those take



Quarantined ranches don't have the facilities to feed the hundreds of calves they expected to sell in the fall, so Alberta Beef Producers is trying to get permission to use — and then find — feedlots willing to take them. PHOTO: CANADA BEEF

eight to 12 weeks," he said. "I think it will still be some months before we have herds coming off quarantine."

Federal aid pledged

But as testing on the roughly 20,000 head of cattle stretches on, the ranchers with quarantined herds are feeling the strain of feeding cattle that they would normally be selling this time of year.

"They're holding up as well as you could expect under the kind of pressure and stress they're facing," said Smith. "There's still a lot of uncertainty for the producers that haven't been tested yet. You know you have these costs of holding these animals, but you don't know how long.

"You have this huge cloud of uncertainty hanging over you and you don't know what's going to happen to your herd."

On Nov. 22, rancher Brad Osadczuk told Parliament's

standing committee on agriculture that his operation is sinking deeper and deeper into debt under the quarantine. One of his herds is the "index" herd with the six confirmed cases. But in total, he has 1,200 cows and about the same number of calves under quarantine. When asked about his financial situation, he pointed to one 400-head herd that was at a feedlot when the quarantine was imposed.

"For 400 head, it's costing me \$92,000 a month," said Osadczuk. "Our bank accounts are frozen. We get paid once a year. We're overdrawn by hundreds and hundreds of thousands of dollars for these sizes of operations, and we're paying interest on that money daily. We owe the bank hundreds of thousands of dollars, and now we go, 'Oh hey, we need a couple hundred thousand dollars for feed for some cows that, in the end, are going to die.'"

Ross White, another affected



Alberta rancher Brad Osadczuk travelled to Ottawa to tell the standing committee on agriculture about the devastating impact that the discovery of TB in his herd has had on him and ranchers in his area. PHOTO: CPAC

"For 400 head, it's costing me \$92,000 a month."

BRAD OSADCZUK

farmer, had pre-sold calves in early October that were scheduled to be delivered the last week in October and the first week in November.

"The quarantine prevented us from marketing our calves resulting in loss of profit — we were forced to renege on our contracts," said White, who testified via video.

"This also put the buyer in a tough spot and may impact future sales to him. There are many costs that we are forced to incur because of the constraints placed on us by CFIA and the federal government.

"Our calves are still on the cow, as we have not been given any direction to when we may be tested and/or when some or all of our cattle will be released from quarantine. We are getting very mixed messages, and the costs continue to rise."

Producers receive fair market value for any animals that test positive for the disease and are destroyed, but there is currently no compensation for the costs to feed and maintain the animals while testing is underway.

On Nov. 24, federal Agriculture Minister Lawrence MacAulay announced that aid would be coming for quarantined ranchers.

"Being a farmer, I certainly understand that bovine TB is a serious challenge for these ranchers," MacAulay said during question period. "Working with the province we are committed to compensate these ranchers for the costs they are facing, including interest on their advance payment loans."

That's good news for the affected ranchers, said Smith.

"They've formally announced they're going to do it and they're working on the details right now," he said. "We've been encouraging them to provide compensation through the disaster relief framework — AgriRecovery — and I'm thinking that will be the instrument through which they do provide compensation."

Even so, it will still take weeks to process any AgriRecovery funding, and in the meantime, the quarantined ranches will hopefully be able to send some of their calves to the feedlot, said Smith.

"We don't have control over whether feedlots will do this or not, but with compensation being provided to producers, we're hoping that that will alleviate the financial burden for producers."

According to Alberta's Agriculture Financial Services Corp., the province has already begun the "longer-term analysis of whether future AgriRecovery assistance may be available to producers" affected by the bovine TB outbreak.

— With files from Ottawa correspondent Alex Binkley
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OPINION/EDITORIAL

Listen up



Gord Gilmour
Editor

I spend a lot of time at farm meetings. It's an occupational hazard. After a while, one can blend into another, even as common themes emerge. Recently one of those common themes has been the need to engage the public, advocate for the industry and 'educate' consumers.

I agree the math is remorseless. The farm population is shrinking and with each passing generation people become more disconnected from food production. Yet at the same time,

everyone still eats. Combine that with the consumer culture where there's an expectation of product differentiation and it's not going to be a good time for the business.

Where I do differ with so many of these "advocates," however, is in how this attempt at better communication should be carried out. Too often, there's a tendency to want to make people see the light, rather than have a true two-way dialogue.

Dalhousie University Professor Sylvain Charlebois talked about this very topic at a recent meeting in Calgary with beef producers. In an article that appeared in our Nov. 24 edition, Charlebois described a landscape where there was a powerful urge from the farm community to connect with consumers, but in reality, there was very little actual effective communication.

Instead, what happens is farmers and their families find each other on the Internet, and talk to each other, in the process reinforcing their existing beliefs. It's a classic echo chamber, and it probably feels pretty good as an alternative to what feels like isolation and marginalization. As a strategy to actually overcome the problem however, it's far less likely to be effective.

Getting the relationship to the consumer right is an important issue and it's a mistake to think the agriculture community is going to be able to set those terms. It's also a big error to assume that people will eventually get hungry enough that they'll come around and consume what you produce.

A few years back I read a magazine article that made a few things pretty clear about the sociology of the agriculture industry, and it came from a very unlikely source — a late-1960s issue of *Car & Driver* magazine. The title of the piece was "The Grosse Pointe Myopians," a reference to the wealthy Detroit suburb where virtually all of the U.S. auto executives lived at the time.

Brock Yates, the author, made a convincing case that the industry was stuck in its own echo chamber. The executives went to the same schools, worked for the same handful of companies, were members of the same country clubs where they socialized and their kids wound up meeting and marrying each other. The bubble was so complete almost nothing penetrated it, and when it did, it was met with hostility and ridicule.

Volkswagens? What good was an air-cooled engine? Datsuns and Toyotas? They start to rust right on the boat. The disdain was palpable. Rather than trying to figure out where the market failure was and why these potential customers were making these decisions, their response was to mock and deride them.

Yates hit the auto industry with both barrels, and essentially told them they had a brewing problem that they were too cloistered to even understand. Predictably, this article was not well received, but over the next few years Yates was vindicated.

Sales of small imports skyrocketed, and in the face of oil embargoes and skyrocketing energy prices, the sales of Detroit's gas-guzzling land yachts and muscle cars fell off a cliff.

Detroit struggled to play catch-up, producing dud after dud in the small car sector — Pintos, Vegas and Gremlins, just to name a few better left to history. In the ensuing years there's been a string of bailouts, the most recent following the 2008 financial crisis. Detroit never really has regained its mojo.

This example from another sector is one agriculture should heed. We're similarly insulated from the opinions of others and insular in nature. Likewise, when consumers go another direction, many think they're deluded. Alternatives like the organic sector and local food, just to name two examples, struggle with credibility with the industry establishment while at the same time they're embraced by consumers.

If the business keeps down the track it's on right now, I fear the end result will be similar. Consumers will vote with their wallets and be less supportive of commercial agriculture.

This won't be pretty if it does unfold like this. After all, many of your customers are off shore and the voters who control your political environment are food secure.

Talking — and listening — to them now will be preferable to being regulated by them later.

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Don't derail trade deals

BY ZIPPY DUVALL

President, American Farm Bureau

It was a good harvest this fall, with many American farmers seeing record yields. But the blessing of a good harvest can also be a burden if you don't have enough customers for your crops. With the lowest commodity prices on corn and soybeans in more than a decade, farmers need access to more markets if they're going to keep their farms and our rural economies afloat.

Free trade has changed the business of agriculture for the better. U.S. farmers and ranchers have a well-earned reputation of growing agricultural products for the world. That's not just homegrown patriotism speaking: Our agricultural export numbers speak for themselves.

For example, in 2013, 40 per cent of U.S. meat sales by value came from customers outside our borders. And nearly half of the value of fruit and tree nuts grown in the U.S. comes from international sales. Without those markets, many American farmers and ranchers wouldn't have been able to keep their land in business and in their families. But those are just a couple of slices of the pie that is U.S. agricultural exports.

Some may ask, "If the world loves our products so much, why do we need trade agreements to sell more?" I'd suggest they are simply asking the wrong question. Rather we should ask, "If customers around the world value our agricultural products so much, why is it often so hard for them to get access to them?"

The answer: high tariffs and non-scientific trade barriers. We need a level playing field for our farmers and ranchers to enter new markets overseas, and that's just what good trade agreements do. Free trade agreements lower tariffs and other restrictions that make our products more expensive and less competitive abroad.

Customers in Japan may recognize the high quality of U.S. beef, but it's a tough sell to convince them to swallow the costs of 38.5 per cent tariffs on an American steak over an Australian steak that only pays 30.5 per cent for chilled and 27.5 per cent for frozen. TPP would give us equal footing.

Where we have established free trade agreements, U.S. agriculture has soared. One of the best examples is our free trade agreement with our nearest neighbours, Canada and Mexico. Since NAFTA was passed over 20 years ago, U.S. agricultural exports to those markets have more than quadrupled. This is not the exception either. Forty-three per cent of our agricultural exports go to the 20 countries we have trade agreements with. Free trade agreements make it easier for customers around the world to buy our products at a fair price, which means billions of dollars in net income for America's hard-working farm and ranch families.

Free trade makes good business sense for agriculture, and that's why American Farm Bureau is committed to seeing agreements like the Trans-Pacific Partnership passed. Without TPP, we're leaving US\$4.4 billion in expected income on the table.

Those are sales that can mean thousands of new jobs for rural Americans, sales that can make the difference for a farmer on the verge of selling their farm in today's down farm economy.

America's farmers and ranchers are ready and able to feed, fuel and clothe more people around the globe. We need TPP now, so we can share what's farmed in America with the 95 per cent of the world's consumers who live outside our borders.

Vincent "Zippy" Duvall, a farmer from Greene County, Georgia, is the president of the American Farm Bureau Federation.

OUR HISTORY: December 1994

Manitoba Pool Elevators was still going strong in 1994 — this ad in our Dec. 1 issue reported member allocations of \$3.47 per tonne for 1994 and \$1.58 for the following year. Member equity was at \$140 million.

Canamera Foods, then Canada's largest oilseed crusher and 50 per cent owned by Manitoba and Saskatchewan Pools, was also doing well. Its chief trader told Manitoba Pool delegates that it was racking up impressive profits and expected to double operations in the next three to five years, depending on the freight rate regime.

Reflecting that anticipated demand, the issue carried a two-page special feature from Manitoba Agriculture with agronomic recommendations for the increased canola acreage expected for 1995. It warned that tight rotations could become a problem. "Experiences in other parts of the world indicate that diseases will become a greater problem. We all know how tan spot and septoria build up when growing wheat and wheat."

Last week's Our history reported concerns with inadequate farm support programs in 1991, but three years later farm income was looking better, in part due to higher canola returns. There were now different concerns about farm income programs. Auditor general Denis Desautels said the federal government had spent \$4.5 billion on the programs since 1991 without a clear consensus on what it was supposed to accomplish.

That issue also welcomed a new associate editor, Laura Rance.



Dwayne Andreas, the FBI, and me

The ADM price-fixing story was one of the strangest interludes in my career

BY ALAN GUEBERT

Farm & Food

Dwayne Orville Andreas, the pocket-sized hurricane that built a sleepy soybean processor, Archer Daniels Midland Co., into a global giant, died Wednesday, Nov. 16, in a Decatur, Ill. hospital. He was 98.

Andreas's career was as long and profitable as it was remarkable and jaded. Just last week someone again asked me if it was true that the ADM corporate jet was the only unescorted American aircraft permitted in Soviet airspace during the Cold War because it carried Andreas and his grocery sack of needed American farm goods.

True or not, the story captures the legend of the world's soybean king. On his way to the throne, however, the federal government twice caught ADM breaking the law.

The first time, in 1978, according to the *New York Times*, was for fixing prices on "grain sold to the Food for Peace Program." The second, in 1996, led to ADM pleading guilty to criminal charges of price fixing.

Both scandals stopped short of charging Andreas directly but the second delivered his son, Michael, to federal prison while dear old dad accepted an offer of immunity.

That's the ADM-Andreas history most farmers know: ADM copping

If you wanted the number of Dwayne Andreas's bedside telephone, Hoech had it.

to criminal price-fixing charges based on secret recordings made by a company insider, later identified as Mark Whitacre, an ADM division vice-president. Here's some history many may not know.

Not long after the June 1995 Federal Bureau of Investigation raid on ADM's headquarters, the Department of Justice began to see their star witness, Whitacre, dim.

The problem was that Whitacre, now an accused embezzler, had been talking to everyone. He talked to Scott Kilman of the *Wall Street Journal*, Nancy Millman of the *Chicago Tribune*, Sharon Walsh of the *Washington Post*, Ron Henkoff of *Fortune* magazine, John Stebbins of Bloomberg News, Kurt Eichenwald of the *New York Times*, and, beginning in July 1996, me.

He wasn't the only one talking. In mid-1996, my fax machine began spitting out unedited FBI interview notes, yet-to-be published news stories, and something called *The Watch Letter*, a multi-page effort filled with insider information, gossip, and tips on the ADM case.

The *Letter* was written by David

and Carol Hoech, owners of Global Consultants, a small Florida-based firm with deep ties to international ag markets. David, too, talked endlessly, mostly off the record, to journalists about ADM and Dwayne Andreas. He openly despised both.

Still, journalists talked to Hoech because he seemed to have friends, sources, and tipsters everywhere. If you wanted the number of Dwayne Andreas's bedside telephone, Hoech had it. Raw transcripts of FBI interviews conducted yesterday? Hoech was your guy. Need to talk to Whitacre? Call Hoech and Mark would be on the line a minute later.

Who was this rainmaker?

After two decades of talking to Hoech, it's still hard to say. He did know Whitacre, ADM, and global ag products like no one else. ADM, he preached, embodied everything wrong with American business—rigged prices, dishonest dealings, phoney front groups, and contempt for customers.

Dealing with Hoech, however, was not easy. He was loud, pushy, and fearless. Shortly after we met

I began to receive anonymous, threatening telephone calls from who knew.

"Relax, man," Hoech would advise, "that's just ADM."

A second later he'd ask, "Hey, man, you own a gun?" He wasn't joking.

Then, on Labour Day 1996, no matter who I dialed on any of my three office lines, I always got the same person at the same place: "ADM Security, this is Betty." Hoech's phones had the same problem.

Was I scared? Top to bottom. I used a neighbour's telephone to call the FBI, the same FBI that had raided ADM a year earlier. No one ever called back.

Hoech, however, did. And he kept calling — for 20 years. Often I'd pick up the phone to hear, "Hey, brother, you OK?"

David Hoech died Aug. 8, 2015, not quite two months after my family and I saw him in his comfortable home west of St. Louis. We had a lengthy, laugh-filled visit before his ailment, pulmonary disease, drained him of all colour and energy. It was time to say that goodbye.

"Don't worry about me," Hoech growled in my ear as he leaned heavily on me to steady himself; "I'm gonna outlive that little (expletive) in Decatur."

It was one of the rare times he got it wrong.

Which chicken, in what pot?

Supply management doesn't fit well with speciality production and a proposed new quota program is a misstep

BY JEANETTE SIVILAY

Over 50 farmers gathered at the St. Norbert Community Centre on November 1 to hear Wayne Hiltz, executive director of the Manitoba Chicken Producers, present the new Annual Specialty Quota Program announced in September.

The new program is designed to serve niche markets in the province with fresh Manitoba-raised chicken year round. This is done through a specialty quota that is distributed each year to qualifying farms wanting to raise more than 999 birds — the current provincial quota exemption limit.

Farmers in the room that day voiced concern over lack of consultation, and the impacts of the program for their farms and the wider local food system.

The new quota program will replace an existing exemption permit program upon which several farmers rely. These exemption permit holders are responsible for much of the locally raised chicken available in specialty grocers, farmers' markets, and restaurants in Manitoba.

The new program would require them to lower the number of chickens raised each year, or pay a penalty on the overage.

For Rudy Reimer, whose family has direct marketed chickens for two generations, this change accounts for a significant portion of his flock, "Under this new program we will be cut back by about 70 per cent from our previous exemption level."

The cutback is especially frustrating because these farmers already struggle to keep up with demand from grocers, restaurateurs, and individuals eager to purchase their chicken.

Quota is allocated on a provincial basis under the national supply management program, designed to stabilize prices for both farmers and eaters by managing production based on market demand. Supply management keeps farmers — instead of large agribusinesses such as Tyson or Cargill — in control of chicken, dairy, eggs and turkey in Canada.

Chicken — along with dairy, eggs, and turkey — are all foods produced under supply management.

Over the years, however, conventional chicken quota

Supply management has become a system accessible only to a few large farmers.

has become extremely difficult to access for new entrants. Quota is awarded to new entrant applicants by lottery, and although quota is issued for free, successful applicants must have the capacity to raise over 200,000 kilos of chicken year round — a size much too large for the average specialty quota holder.

As a result, supply management has become a system accessible only to a few large farmers.

Through quota exemption, smaller farms can raise up to 999 birds outside of the quota system. Over the last few decades however, interest has been revived in production methods and breeds not suitable for the conventional supply-managed system.

As a result of this food

renaissance, many new and small farmers are eager to make their livelihood partnering with eaters in the creation of local food systems, but the constraint of quota exemption levels determined by supply management makes it difficult to meet demand and make a living.

Thus, farmers need solutions that reflect the reality of their operations.

One farmer at the meeting in St. Norbert was concerned that requiring farmers to own land and buildings would leave his children — who rent his land and buildings — ineligible for the new program.

Indeed, the capital investment required for quota allocated yearly makes it difficult for any young or new farmer to access. Like any growing business, farmers who raise speciality chickens need multi-year plans to ensure they have the tools to succeed.

Others pointed out that raising chickens on pasture — a method increasingly desired by farmers and eaters — doesn't require the use of buildings at all.

The disconnect between the new program and the current reality of producers had

many farmers questioning the program design consultation process. Hiltz stated that input was gathered from 85 producers along with two small-scale food groups. However, none of the farmers present at the meeting were consulted, and members of both groups reported inadequate consultation or no consultation at all.

The Manitoba Chicken Producers also failed to consult with Direct Farm Manitoba, the newly formed group responsible for representing the interests of small and direct-market farmers.

"Direct Farm Manitoba worked to bring potential producers to hear MCP describe its program and how it might fit smaller producers," said Phil Veldhuis, president of Direct Farm Manitoba. "I think most producers were pretty frustrated."

The Manitoba Chicken Producers needs to return to the drawing board, engage in meaningful consultation and develop a program that allows for the food system that Manitobans deserve.

Jeanette Sivilay is a writer with The Real Manitoba Food Fight website and Sharing the Table Manitoba, and an urban CSA farmer in Winnipeg.

FROM PAGE ONE

TB Continued from page 1

mal number of samples coming in, we may have to go back into the park in January/February and capture some elk again at that point. That is still up in the air but it has not been the best hunting season, so we are waiting on that," Preston said.

"Assuming we can keep that pipeline full of samples, and presuming that they all come back negative, hopefully we can stay in the situation where CFIA is happy with the numbers and doesn't see any reason to go back to testing our herds," Lemon said.

This announcement comes as an enormous relief to the producers who have been dealing with the burden of live animal testing year after year for nearly two decades. But, just as Manitoba's affected producers began to take a sigh of relief, Alberta was hit with some devastating news.

Confirmed and quarantined

In late September, the USDA confirmed a case of TB at a U.S. packing plant in a cow originating from a farm near Jenner, Alberta. The index herd consisted of 52 head that lived on three separate premises.

Since the discovery, 34 farms in Alberta and two in Saskatchewan have been put under federal quarantine and CFIA has begun testing approximately 10,000 head of cattle.

According to Preston, who has been in ongoing conver-



Brian Lemon, general manager of the Manitoba Beef Producers. PHOTOS: JENNIFER PAIGE

sations with affected industry members in Alberta, Manitoba producers have nothing to fear at the moment in regards to the situation in Alberta.

"The confirmed case in Alberta has had no impact on TB activity in Manitoba," Preston said. "There has been references made to RMNP and the issues around here, but there is no connection between the two. If anything, RMNP is just an unfortunate reminder that these folks in Alberta face a lot of work to get their situation resolved."

Preston explains that the strain of TB found in Alberta is entirely new to Canada and is said to have Mexican origins.

"The confirmed case in Alberta has had no impact on TB activity in Manitoba."

ALLAN PRESTON

"That information tells us that there is no linkage to the situation around RMNP. Our situation is well in hand, we are quite comfortable with where we sit and I don't foresee any changes," Preston said.

The more jarring component of the Alberta situation how-



Allan Preston, lead co-ordinator of the Riding Mountain National Park TB eradication project.

ever, may be the two-strike rule that is applied to TB.

"If you have one case, the clock starts ticking and if you go through 48 months without another case then the clock starts again. If you have another case come up in that 48-month period, there is the potential for

all of Canada to have its TB status downgraded," Preston said. "So the fact that we have this case in Alberta keeps people on pins and needles until such time that that 48-month period goes by."

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FUSARIUM Continued from page 1

flour contain no more DON than one part per million and some millers and food processors may demand less.

“A significant portion of the (Canada Western Amber) durum (CWAD) wheat harvest (used to make pasta) may be unmarketable as milling grade,” Harrison said.

No. 2 and 3 Canada Western Red Spring wheat (CWRS) — Canada’s top bread-making wheat — also has high levels of DON, he said.

Downgrading could cost Prairie farmers \$1 billion in lost revenue, Harrison estimated.

Presumably some of those losses will be offset by crop insurance payments and some farmers might be eligible for aid under AgriStability.

Still it’s a huge economic hit, and not just for farmers, but grain companies that will have less wheat to sell and disappointed customers with long memories.

“The predominant degrading factor this year is fusarium,” Tom Graefenhan, the Canadian Grain Commission’s (CGC) microbiology program manager said on the sidelines of the conference. “I think it is important not to panic. We continue to work on the issues in a co-ordinated and dedicated way.”

Durum wheat, which is more susceptible to FHB than other spring wheats, has been hard hit in southwestern Saskatchewan, where FHB isn’t usually a problem because of drier weather.

Based on preliminary data collected from the CGC’s harvest sample survey, about 40 per cent of the durum wheat still making food grade has been downgraded due to FHB and 25 per cent has been downgraded to below food grade.

CGC data shows the percentage of fusarium-damaged kernels (FDK) — a measure of disease severity — hit a new high in Saskatchewan in 2016.

The severity in Manitoba and Alberta wasn’t as bad as several previous years (see graph).

However, FHB is wider spread in all three provinces than ever before and the trend line is rising.

The combination of more disease — and in many areas greater damage within fields — is making it harder for grain companies to find good wheat to blend with heavier-damaged lots, Graefenhan said.

“It is probably the biggest challenge we’ve had in wheat supply in 21 years of contracting,” Bob Beard, cereal development director for Warburtons, the United Kingdom’s biggest baker, said in an interview on the sidelines of the 3rd Canadian Wheat Symposium Nov. 24. “You cannot use wheat that is over specification (for DON). We are lucky to be working with our farmers and the companies we are and have been able to secure additional supplies to make good the shortfall. But in some areas 60 per cent of our program is not usable, which mirrors probably what you’re seeing elsewhere on the Prairies.”

Warburtons imports around 190,000 tonnes of high-quality, identity-preserved spring wheat from Western Canada annually to blend with a similar volume of U.K. wheat to make bread.

While Warburtons expects to get enough western Canadian wheat to meet its needs in 2016-17, it will be tight, Beard said.

“It’s not all bad. There are some regions where some of our farmers have growing surplus



More than 200 scientists from Canada and abroad attended the 8th Canadian Workshop on Fusarium Head Blight Nov. 20-22 in Ottawa. While the potentially devastating fungal disease is on the rise in Western Canada, more tolerant varieties are coming and agronomic techniques to manage the disease have improved. PHOTO: ALLAN DAWSON

and we have taken that surplus gladly. But in other areas it has been decimated.”

FHB’s spread is worrisome, Harrison said. His member mills need about three million tonnes of domestically produced wheat annually.

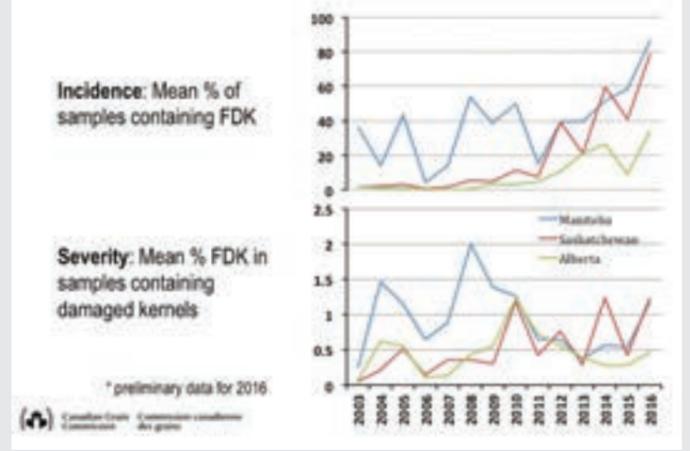
More FHB will require more testing and increased costs for millers, he said. Harrison also noted DON hasn’t caused an adverse health problem in Canada in 25 years, and he doesn’t expect any now.

Canada’s grading system uses fusarium-damaged kernels (FDK) as a proxy for DON, but Harrison said since the traditional correlation between the two no longer exists grades should be based on DON levels instead of FDK.

Sheryl Tittlemier, the CGC’s grain safety program manager, says correlation still exists, but given the concerns the CGC will investigate further.

The Alberta Wheat Commission recently suggested grades be

FBH INCIDENCE AND SEVERITY IN PRAIRIES



based on DON levels, which would require testing at the elevator.

Grain exporters are doing some of that now, as well as testing a portion of loaded cars “to avoid surprises,” Rhyl Doyle, Paterson Global Foods’ director of export trading said on the sidelines of the meeting.

More testing is a good idea, University of Minnesota plant pathologist Ruth Dill-Macky told the meeting, as food markets decrease their tolerance for mycotoxins.

“I think that is going to necessitate us implementing high-speed mycotoxin testing at sales points in order to segregate grain lots in years when we do have lots of fusarium head blight so we can keep the toxins, as best we can, out of grain streams and not be commingling lots that may have different levels of toxin in them,” she said.

FHB is on the rise because of the weather (the disease thrives

See **FUSARIUM** on page 8 »

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Telling people they're wrong won't win their trust

Organic farmers have an opportunity to be leaders in agriculture

BY LAURA RANCE
FBC Editorial Director

The organic sector must tread carefully or risk getting caught in the crossfire in the growing debate over social licence in agriculture, the president of the Canadian Organic Trade Association says.

Dag Falck told the recent Organic Connections conference in Regina that while organic farmers are rarely targeted by consumers who have concerns over how their food is produced, they are sometimes accused of making the rest of agriculture look bad.

"It seems like the finger is being pointed at us like we caused this," Falck said in an interview following his presentation. "That's what I'm picking up... it is, 'look at what we have to deal with because you wrecked it for us.'"

Falck, a former organic inspector who has worked as organic program manager for Nature's Path Organic Foods since 2003, said there is an element of that among organic consumers who tend to be vocal about their concerns about mainstream agricultural practices. "They are making claims saying you should avoid conventional food because of all of these problems and find the

"The consumer being right doesn't mean that they are scientifically right or whatever, it is that they have choice and what they choose is right."

DAG FALCK
Canadian Organic Trade Association

alternative in organic food," he said. "It's not really organic farmers saying that so much as it is consumer groups."

But because organic production systems offer an alternative to modern agricultural tools, such as pesticides and genetically modified crops, it makes it harder for the industry to convince consumers those approaches are essential.

Falck said the challenge facing the organic sector is determining whether it wants to be part of the broader discussion around social licence and if so, how it should participate.

He noted the industry's efforts so far to win back consumers' trust with information campaigns



Canadian Organic Trade Association head Dag Falck says agriculture needs to understand it's consumers driving the conversation, not organic growers.

PHOTO: NATURE'S PATH ORGANIC FOODS

and "talking points" that explain modern agriculture aren't working, because the problem isn't a lack of information. "They basically don't agree," he said.

"What's missing is... what's the action that they are going to take? The trust is lost, so what is the action that they are going to take to change something to regain the trust?"

Telling consumers that they are wrong won't work. "Everybody knows in marketing that the consumer is right. The consumer being right doesn't mean that they are scientifically right or whatever, it is that they have

choice and what they choose is right," Falck said.

Telling consumers products are safe because there is a regulatory system isn't effective because the regulatory system doesn't hold up to scrutiny. The government does not test new products and technologies, it reviews data supplied by applicants.

"So I think that to develop a social licence for conventional food, at some point, they are going to have to address the regulatory system," he said. "And sit down and have that conversation with consumers who are having concerns,

and say that 'we think GMOs are safe and we've changed the approval process to really scrutinize it and really make sure that it is safe.'

'And if we find out in that process that it's not, we're going to stop using it or we're going to phase it out, or we're going to look for alternatives.' That's the kind of conversation that would lead to trust."

Falck urged organic farmers to avoid being evangelists for how they practise farming and become more engaged in sharing knowledge that can benefit the whole sector.

"Focus more on the tools and sharing those tools more openly and less on everybody's got to be certified organic," he said. "Instead of saying, we want you to become organic, we need to say, you know another way to solve the issue of fertility or weed control by using less pesticides, you could try this tool, i.e. cover cropping."

"I think the shift that needs to happen is we need to start saying, 'we have a contribution to agriculture, to all of agriculture.'"

"We won't become a leader in agriculture if we are constantly saying you are doing it wrong."

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FUSARIUM Continued from page 7

under warm, moist conditions, increased corn production (corn also produces FHB) and more conservation tillage (FHB persists in wheat residue).

Farmers can't control the weather and corn and reduced tillage aren't going away, she said. But there are things farmers can do to manage FHB with an integrated approach. It starts with encouraging farmers to grow wheats that are more FHB tolerant.

"Eliminating susceptible cultivars is really key to preventing this disease from gaining traction," Dill-Macky said. "And while we can make incredible strides in developing germplasm that has resistance, it's important for us to remember that there are still varieties out there that are moderately susceptible or more susceptible and it is actually very important for us to find ways to discourage growers from having those, or discourage wheat breeders from releasing those varieties, so we can have varieties that are resistant or moderately resistant on the vast majority of acreage."

Farmers also have better fungicides to control FHB, in-

cluding Prosaro, Caramba and Proline. But they must apply them at the right time — within seven days of flowering, using 20 gallons of water per acre to get good coverage. Dill-Macky recommended spraying in the evening or morning so dew can help get the product on the wheat heads.

Farmers also need to know some of those fungicides also contain strobilurins, which control leaf spots, but can increase DON levels, even when applied pre-heading.

Plant breeders and molecular scientists are searching hard for new forms of FHB resistance. The more resistant a variety is the less FHB will be able to colonize its residue, she said.

A wide range of transgenic genes has and is being tested but "we haven't seen the silver bullet and I don't think that is really going to happen. However, increased regulation is making it harder to field test genetically modified wheat."

"I think we have some potential to make progress in this area if we aren't challenged... by the legal side of doing things," Dill-Macky said.

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Widespread fusarium head blight damage could cost western Canadian wheat growers an estimated \$1 billion, Gordon Harrison, president of the Canadian National Millers Association told the 8th Canadian Workshop on Fusarium Head Blight Nov. 22 in Ottawa. Wheat millers and exporters will suffer too. PHOTO: ALLAN DAWSON

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AgriStability needs a rework CFA says

The Canadian Federation of Agriculture says the next policy framework should reduce application confusion and improve business risk management tools

BY JENNIFER PAIGE
Co-operator staff / Brandon

Canada's agricultural business risk management tools need an overhaul under the next policy framework because they're currently frustrating for farmers and plummeting participation rates reflect that.

That's what Canadian Federation of Agriculture president Ron Bonnett told the annual meeting of the Canadian Forage and Grasslands Association Nov. 14 in Winnipeg during an update on the organization's efforts to shape the upcoming Growing Forward 3.

"We put forward a whole package of suggestions on how to reshape AgriStability," Bonnett said. "I think one of the other things that we are asking for is restoring AgInvest to the levels it was at previously."

That's just one of the recommendations the group has put forward in recent months as the existing Growing Forward 2 framework is set to wind down.

"We put forward a whole package of suggestions on how to reshape AgriStability. I think one of the other things that we are asking for is restoring AgInvest to the levels it was at previously."

RON BONNETT
president of the Canadian Federation of Agriculture

Our organization started about a year and a half ago looking at the existing programming and taking a look at the needs going forward to identify what types of tools we were going to need to really move agriculture forward," said Bonnett.

Bonnett says CFA had a few other key items in mind when taking part in industry consultations regarding the upcoming policy framework, which were held in Calgary in July.

CFA has also pinpointed the need to reduce confusion surrounding the funding application process as users have complained of unclear criteria and changing approval mechanisms.

"What we are suggesting is having clearly identified criteria for the programming and having a process and timelines with accountability. So that when people start going down the road to apply for this programming it is something that is achievable," Bonnett said.

Bonnett adds that CFA will support the current forage insurance programs as they stand but says there is still a requirement for these programs to be continually monitored and evaluated to make sure they are clearly responding to producer needs.

CFA has also been exploring what a producer payment security program might look like.



Ron Bonnett, president of the Canadian Federation of Agriculture spoke at the Canadian Forage and Grassland Association's annual conference in Winnipeg on Nov. 14. PHOTO: JENNIFER PAIGE

"With the producer payment security program, we are trying to see if there are ways we can put insurance policies in place to protect accounts payable. We are hearing more from some industries that this is becoming an issue for them. So, it is one of the things we are working on right now," Bonnett said.

In terms of research, the organization is looking at specific strategic investments in critical areas to ensure there are resources dedicated to looking at key issues.

"There is a whole series of issues within that strategic investments column that we are looking at. Everything from environmental sustainability to responding to consumers needs."

Of course CFA has also been dedicated to market develop-

ment and a number of ongoing trade deals.

"Canada is uniquely positioned in that we can produce a lot more than we consume," Bonnett said. "But if we want to have access to these different markets, we need to position ourselves to take advantage and that will include everything from research in forage, grains and taking a look at our best management practices, so that we can position ourselves to be the preferred supplier going forward."

CFA will hold its annual general meeting on February 22 to 24 in Ottawa.

Bonnett recommends anyone interested in putting forth a resolution for the AGM, to work through the provincial general farm organizations or commodity organizations.

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WHAT'S UP

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

Dec. 1: Manitoba Beef and Forage Week seminar, 9:30 a.m. to 4 p.m., Royal Canadian Legion Hall, 540 Eighth Ave. S., Virden. For more info call the Melita GO office at 204-522-3256.

Dec. 1: Prairie Oat Growers Association annual meeting, Lakeview Hecla Resort, Hwy. 8, Hecla Island. For more info visit poga.ca.

Dec. 2: Manitoba Beef and Forage Week seminar, 9:30 a.m. to 4 p.m., Teulon Rockwood Centennial Centre, 14 Main St., Teulon. For more info call the Teulon GO office at 204-768-2782.

Dec. 14: Prairie Livestock Expo, 9 a.m. to 6 p.m., Victoria Inn, 1808 Wellington Ave., Winnipeg. For more info visit www.prairielivestockexpo.ca or call Dallas Ballance at 204-475-8585.

Dec. 14-15: Manitoba Agronomists Conference, University of Manitoba, Winnipeg. For more info visit http://umanitoba.ca/afs/agronomists_conf/.

2017

Jan. 9-12: Western Canadian Crop Production Show/CropSphere 2017, Prairieland Park, Saskatoon. For info visit www.cropproductiononline.com.

Feb. 15-16: CropConnect Conference, Victoria Inn, 1808 Wellington Ave., Winnipeg. For more info visit www.cropconnectconference.ca.

Feb. 28-March 2: Western Canadian Wheat Growers annual convention, Sheraton Cavalier, 612 Spadina Cres. E., Saskatoon. For more info or to register visit wheatgrowers.ca.

March 6-7: Advancing Women in Agriculture Conference, Hyatt Regency, 700 Centre St. SE, Calgary. Early-bird deadline Jan. 15. For more info visit www.advancingwomenconference.ca.

March 7-9: Canola Council of Canada annual convention, Fairmont Winnipeg, 2 Lombard Place, Winnipeg. For more info visit canola-council.org.

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Cattle Prices

(Friday to Thursday) **Winnipeg** November 25, 2016

SLAUGHTER CATTLE	
Steers	—
Heifers	—
D1, 2 Cows	70.00 - 79.00
D3 Cows	66.00 - 74.00
Bulls	95.00 - 103.00

FEEDER CATTLE (Price ranges for feeders refer to top-quality animals only)	
Steers	(901+ lbs.) 140.00 - 164.00 (801-900 lbs.) 145.00 - 168.00 (701-800 lbs.) 160.00 - 175.00 (601-700 lbs.) 158.00 - 190.00 (501-600 lbs.) 180.00 - 213.00 (401-500 lbs.) 185.00 - 217.00
Heifers	(901+ lbs.) 135.00 - 154.00 (801-900 lbs.) 140.00 - 160.00 (701-800 lbs.) 145.00 - 163.00 (601-700 lbs.) 150.00 - 165.00 (501-600 lbs.) 150.00 - 180.00 (401-500 lbs.) 165.00 - 187.00

SLAUGHTER CATTLE	(\$/cwt)	Alberta South	Ontario
Grade A Steers (1,000+ lbs.)	\$	145.00 - 146.00	\$ 117.19 - 135.58
Grade A Heifers (850+ lbs.)		—	109.29 - 132.78
D1, 2 Cows		77.00 - 94.00	58.60 - 80.42
D3 Cows		69.00 - 85.00	58.60 - 80.42
Bulls		103.56 - 103.56	88.14 - 106.12
Steers		\$ 160.00 - 172.00	\$ 144.26 - 175.45
		(901+ lbs.) 165.00 - 176.00	142.61 - 177.87
		(801-900 lbs.) 170.00 - 183.00	153.64 - 180.72
		(701-800 lbs.) 176.00 - 193.00	166.97 - 194.41
		(601-700 lbs.) 186.00 - 206.00	172.78 - 209.46
		(501-600 lbs.) 201.00 - 225.00	180.96 - 219.10
Heifers		\$ 148.00 - 160.00	\$ 129.35 - 157.53
		(901+ lbs.) 150.00 - 163.00	139.91 - 161.05
		(801-900 lbs.) 150.00 - 164.00	133.43 - 161.45
		(701-800 lbs.) 154.00 - 169.00	143.13 - 171.95
		(601-700 lbs.) 160.00 - 179.00	148.64 - 180.59
		(501-600 lbs.) 167.00 - 185.00	155.37 - 188.84

Futures (November 25, 2016) in U.S.					
Fed Cattle	Close	Change	Feeder Cattle	Close	Change
December 2016	109.68	1.45	January 2017	124.90	-0.02
February 2017	110.80	2.00	March 2017	120.88	-0.15
April 2017	110.40	1.43	April 2017	120.45	0.00
June 2017	101.40	0.70	May 2017	119.68	-0.03
August 2017	97.90	0.55	August 2017	120.25	-0.05
October 2017	98.20	0.48	September 2017	118.50	-0.22

Cattle Slaughter			Cattle Grades (Canada)		
	Week Ending	Previous		Week Ending	Previous
	Nov 19, 2016	Year		Nov 19, 2016	Year
Canada	52,797	46,538	Prime	1,248	975
East	12,617	11,469	AAA	26,561	24,646
West	40,180	35,069	AA	11,923	11,974
Manitoba	NA	NA	A	536	680
U.S.	629,000	571,000	B	777	810
			D	10,752	6,813
			E	305	227

Hog Prices

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

MB. (\$/hog)	Current Week	Last Week	Last Year (Index 100)
MB (All wts.) (Fri-Thurs.)	132E	131.88	146.90
MB (Index 100) (Fri-Thurs.)	122E	123.46	136.60
ON (Index 100) (Mon.-Thurs.)	115.64	116.94	133.69
PQ (Index 100) (Mon.-Fri.)	118.21	120.69	136.10

Futures (November 25, 2016) in U.S.		
HOGS	Close	Change
December 2016	49.75	2.30
February 2017	55.55	1.33
April 2017	61.93	0.63
May 2017	69.23	0.50
June 2017	73.63	0.17

Other Market Prices

Sheep and Lambs			
\$/cwt	Choice	Winnipeg	SunGold
		Woolled Fats	Specialty Meats
Lambs (110+ lb.)	—	—	—
(95 - 109 lb.)	—	118.30 - 142.24	—
(80 - 94 lb.)	—	143.12 - 193.39	—
(Under 80 lb.)	—	204.84 - 222.23	—
(New crop)	—	198.07 - 231.87	—
	—	221.35 - 277.08	—

Chickens		Eggs	
Minimum broiler prices as of April 13, 2010		Minimum prices to producers for ungraded eggs, f.o.b. egg grading station, set by the Manitoba Egg Producers Marketing Board effective November 10, 2013.	
Under 1.2 kg	\$1,5130	New	Previous
1.2 - 1.65 kg	\$1,3230	A Extra Large	\$2.00
1.65 - 2.1 kg	\$1,3830	A Large	2.00
2.1 - 2.6 kg	\$1,3230	A Medium	1.82
		A Small	1.40
		A Pee Wee	0.3775
		Nest Run 24 +	1.8910
		B	0.45
		C	0.15

Turkeys		Goats	
Minimum prices as of November 27, 2016		Winnipeg (Hd Fats)	
Broiler Turkeys (6.2 kg or under, live weight truck load average)		Toronto (\$/cwt)	
Grade A	\$1,900	Kids	140.61 - 303.89
Undergrade	\$1,810	Billys	—
Hen Turkeys (between 6.2 and 8.5 kg liveweight truck load average)		Mature	
Grade A	\$1,885		119.95 - 260.61
Undergrade	\$1,785		
Light Tom/Heavy Hen Turkeys (between 8.5 and 10.8 kg liveweight truck load average)		Horses	
Grade A	\$1,885	Winnipeg (\$/cwt)	Toronto (\$/cwt)
Undergrade	\$1,785	<1,000 lbs.	11.13 - 48.66
Tom Turkeys (10.8 and 13.3 kg, live weight truck load average)		1,000 lbs.+	40.14 - 51.68
Grade A	\$1,870		
Undergrade	\$1,785		

Prices are quoted f.o.b. producers premise.

COLUMN

U.S. cattle futures boost Manitoba's cattle values

For auction markets, the end of the fall run is near

DAVE SIMS
CNSC



The cattle market continued to stage a modest recovery during the week ended Nov. 25, as strength in U.S. futures propelled another week of growth in most classes.

"There's been a general uptrend for a little over a month," said Allan Munroe of Killarney Auction Mart.

That uptrend is reflected in the prices paid for feeder steers (300-400 lbs.) at most of the province's major auction marts. Bids were roughly \$5-\$10 higher per hundredweight. Feeder heifers in the 500- to 600-lb. class were up mostly \$10 as well.

Butcher cows were steady to a few dollars higher while good cows trended in the \$78-\$80 range. Good yearling heifers over 800 lbs. hung around in the \$155-\$165 range, according to information from Winnipeg Livestock Sales.

Plain cattle remained under pressure, though, with shorter frames typically going for \$20-\$40 under fancier types.

"If you look back to Oct. 17, a lot of classes are \$20-\$22 higher now than they were then," said Munroe. "That's a pretty impressive run that we weren't anticipating," he said.

Strength in the U.S. futures has played a big hand in hiking prices higher, he added.

"You go back and look at the December fat cattle on the futures board and they were 94 to 95 cents. Now they're at US\$1.09 for the December live cattle. So you multiply that by the 'point-74' (the exchange rate) and it's an enormous move upwards," he said.

Buyers from Ontario seemed to be especially aggressive, he added.

"There were probably three or four loads going straight out of my barn to Ontario a week," said Munroe. "So they seem to have

"We had a very challenging summer and November turned out to be a blessing."

ALLAN MUNROE
Killarney Auction Mart

the power right now and they're driving this market."

Volumes were consistent with the past few weeks, with roughly 14,000 head going through the rings.

The number of cattle heading to market each week has been fairly consistent since mid-October, Munroe said.

With December here, however, the fall run is nearing its end.

"You look at the calendar and you have a few weeks left before the Christmas season," he said. "The end is in sight as far as feeders are concerned; we're getting into bred cow season."

The warm autumn also gave many producers options on when to take their animals to market, he said.

"We had a very challenging summer and November turned out to be a blessing. A lot of work got done that didn't look like it was going to get done," said Munroe.

A fair number of younger calves may also have been held back, setting the stage for a busy spring.

"I think there's a lot more out there that haven't come to town that normally would have," he explained. "I think we'll see a lot of cattle move from the third week of January right through to the end of March."

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

BRIEFS

Russia to decide on swine fever quarantine

MOSCOW/Reuters/Russia will soon decide whether to impose a quarantine on pig farms in the southern region of Krasnodar, a measure that could ultimately affect some grain exports, due to outbreaks of highly contagious African swine fever (ASF), the head of Russia's food safety watchdog said Nov. 25.

Russia, the world's second-largest wheat exporter, is considering the quarantine due to 10 incidents this month of ASF in the region, which is one of its key areas for grain exports via the Black Sea.

"We will take the decision

next week based on the development which we have," the safety watchdog head, Sergei Dankvert said in an interview with Rossiya 24 state TV.

Dankvert said the quarantine would affect grain exports because some grain is coming from villages and farms where ASF had been detected.

"We are bearing responsibility before our partners in other countries," he said, adding that the quarantine would be an unwelcome development for the region.

The watchdog, or Rosselkhozadzor, said on Thursday there was no immediate need to impose any significant restrictions, including export restrictions.

Rosselkhozadzor's spokesman Aleksey Alekseenko con-

firmed to Reuters on Friday that the watchdog has not changed its mind.

The Agriculture Ministry declined to comment. Dankvert was not immediately available for further comment.

However, some industry experts said they did not expect any restrictions to be significant.

"According to the current rules, a quarantine imposes a special regime within five kilometres (3.1 miles) around a farm hurt by ASF, so it would be enough to avoid taking grain from these (damaged) areas," the head of IKAR agriculture consultancy said.

"Let's hope that the influence on the grain market, if any, will be very insignificant," Dmitry Rylko added.

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

GRAIN MARKETS

COLUMN

StatsCan production report may lift canola uncertainty

Canola traders also have great expectations for exports

JADE MARKUS
CNSC



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

There's a level of uncertainty in the ICE Futures Canada canola market, which investors hope will be clarified by data in coming weeks and months.

There are also a number of factors canola is digesting, one Winnipeg-based analyst says, after the market gained \$13.70 in the January contract in the week ending Nov. 25.

"The first one is getting a better handle on the actual supply situation in Western Canada," said Jerry Klassen, manager of the Canadian office of Swiss-based GAP SA Grains and Products.

An upcoming Production of Principal Field Crops report, due out Dec. 6 from Statistics Canada, is expected to give a better sense of the amount of canola the market will be working with in coming months.

The market is incorporating a risk premium due to uncertainty about available stocks, Klassen said, which may underpin the market in coming sessions. Current projections from Statistics Canada are at about 17 million tonnes.

"The second thing, earlier we had the EPA (Environmental Protection Agency) announcement in the U.S., and that's supportive for bean oil, and therefore it's supportive for canola," Klassen said.

The announcement — which will require U.S. processors to use record amounts of bio-fuel in 2017 — provided sudden support in recent sessions.

Follow-through buying from sharp gains in Chicago Board of Trade soybean underpinned canola through the end of the week, but the U.S. vegetable oil closed weaker on Friday, calling into question ideas about how long that market will remain supportive.

"The third thing is the exports. I think the trade was anticipating the exports to increase in September, October — we're still kind of dealing with the old crop, but once we get into November there's kind of an available new-crop supply and we really see the exports take off," Klassen said.

"I think the trade is really anticipating a big export program for November, December and January."

Ideas that sales will pick up could underpin the market, as exports reported by the Canadian Grain Commission are lagging year-ago levels.

Bullish features in the Malaysian palm oil market could also underpin canola in coming sessions, as Klassen said the commodity has seen larger exports and smaller production this year.

Farmer selling pressured the market in recent sessions, as producers were looking to cash in around \$11 a bushel, he said, but that interest has now tapered off.

"Farmers now want \$12 a bushel in the country, so the selling isn't as strong as it was, say, a week ago," he said.

January CBOT soybeans gained slightly more than 52 cents per bushel in the week ending Nov. 25, as the market also gathered spillover support from soybean.

Fund buying further propped up values on the week.

In coming sessions, traders will be looking for strong exports to sustain those gains, as many market watchers expect current prices will not be able to hold.

December CBOT corn gained close to four cents per bushel in the week ending Nov. 25. Analysts largely expect the market to stay rangebound in coming sessions.

December CBOT wheat lost close to 12 cents per bushel in the week ending Nov. 25, pressured by technical selling.

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

Manitoba Elevator Prices

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

	Future	Basis	Cash
E. Manitoba wheat	196.30	43.91	240.21
W. Manitoba wheat	196.30	36.30	232.61
E. Manitoba canola	528.20	-30.93	497.27
W. Manitoba canola	528.20	-38.29	-38.91

Source: pdqinfo.ca

Port Prices

As of Friday, November 25, 2016 (\$/tonne)

	Last Week	Weekly Change
U.S. hard red winter 12% Houston	152.67	0.65
U.S. spring wheat 14% Portland	233.23	-0.72
Canola Thunder Bay	538.20	13.70
Canola Vancouver	548.20	13.70

Closing Futures Prices

As of Friday, November 25, 2016 (\$/tonne)

	Last Week	Weekly Change
ICE canola	528.20	13.70
ICE milling wheat	236.00	5.00
ICE barley	142.00	9.50
Mpls. HRS wheat	194.28	-0.18
Chicago SRW wheat	154.14	4.23
Kansas City HRW wheat	157.82	5.79
Corn	141.04	5.02
Oats	140.38	-10.37
Soybeans	384.34	19.20
Soymeal	356.06	14.00
Soyoil	814.53	63.72

Cash Prices Winnipeg

As of Friday, November 25, 2016 (\$/tonne)

	Last Week	Weekly Change
Feed wheat	n/a	n/a
Feed barley	156.52	3.22
Rye	n/a	n/a
Flaxseed	470.05	9.45
Feed peas	n/a	n/a
Oats	199.06	-9.73
Soybeans	430.64	11.76
Sunflower (NuSun) Fargo, ND (\$U.S./CWT)	14.75	0.25
Sunflower (Confection) Fargo, ND (\$U.S./CWT)	Ask	Ask

Prairie cash wheat bids hold steady

March MGEX spring wheat was up about 2.25 U.S. cents from the previous week

BY PHIL FRANZ-WARKENTIN
CNS Canada

Spring wheat bids in Western Canada held reasonably steady during the week ended Nov. 25, with small gains posted in some locations and small losses in others.

Depending on the location, average Canada Western Red Spring (CWRS) wheat prices were down \$1 to up \$1 per tonne compared to the previous week. Average prices ranged from about \$229 per tonne in Saskatchewan's southeast to as high as \$243 in northern Alberta.

Quoted basis levels varied from location to location, but lost about \$2 on average to range from about \$33 to \$47 per tonne above the futures, when using the grain company methodology of quoting the basis as the dif-

Average durum prices were steady to down by as much as \$18 per tonne.

ference between U.S. dollar-denominated futures and Canadian dollar cash bids.

When accounting for currency exchange rates by adjusting Canadian prices to U.S. dollars, CWRS bids ranged from US\$169 to US\$179 per tonne. That would put the currency-adjusted basis levels at about US\$17 to US\$27 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 \$23 to \$36 below the futures.

Canada Prairie Spring Red (CPSR) wheat bids generally held steady, to range from \$156 to \$175 per tonne across the Prairies.

Average durum prices were steady to down by as much as \$18 per tonne, with bids in Saskatchewan coming in at about \$295 to \$301 per tonne, according to price quotes from a cross-section of delivery points

compiled by PDQ (Price and Data Quotes).

The March spring wheat contract in Minneapolis, off of which most CWRS contracts in Canada are based, was quoted at US\$5.2875 per bushel on Nov. 25, up about 2.25 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 March K.C. wheat contract was quoted Nov. 25 at US\$4.295 per bushel, down about 1.5 U.S. cents compared to the previous week.

The March Chicago Board of Trade soft wheat contract settled Nov. 25 at US\$4.195, down by about 5.75 U.S. cents on the week.

The Canadian dollar was trading Nov. 25 at 73.94 U.S. cents, relatively steady compared to the previous week.

LIVESTOCK

HUSBANDRY — THE SCIENCE, SKILL OR ART OF FARMING

Study shows grassland environmental contributions

The University of Alberta in partnership with Alberta Environment and Parks has undertaken a number of studies looking at the impacts of land use and grazing on soil carbon levels

BY JENNIFER PAIGE

Co-operator staff / Brandon

Grasslands punch above their weight when it comes to carbon sequestration.

That's the conclusion of a researcher who started his career on an Alberta-wide study of how land use affects that province's carbon pool.

Daniel Hewins, now an assistant professor at Rhode Island College in Providence, R.I., says grasslands can and do store an enormous amount of soil carbon.

"Temperate grasslands make up about eight per cent of the earth's surface but they hold a lot of carbon, an estimated 300 gigatons is what we have seen," Hewins said at the recent annual meeting of the Canadian Forage and Grasslands Association in Winnipeg.

"About nine gigatons or three per cent of that is above ground in plant material and about 295 gigatons is in the soil. So, it is really important to value that soil and value that soil carbon."

The research study involved 144 grassland enclosures, including both grazed and ungrazed sites.

"Many of the ungrazed sites have not been grazed by livestock for more than 60 years so this really gave us the opportunity to sample native prairie in both grazed and ungrazed communities in a paired setting," Hewins said.

In fact Hewins stressed that this sort of work is unprecedented in its scale and allows researchers like him a new window into what happens below our feet.

"This is really a one-of-a-kind comprehensive study looking at how grazing affects carbon stores and grassland biodiversity across up to six different agro climatic zones," he said.

"We are really aiming, with our research, to get a provincial-scale assessment of how land use and livestock grazing affect plant communities and how that subsequently affects carbon storage. And then, how can we assign some monetary value to that or some incentive for ranchers and those of you who are out there doing the work to protect these ecological goods and services."

The study, his post-doctoral fellow research, was conducted at the Rangeland Research Institute in the department of agriculture, food and nutritional science at the University of Alberta in Edmonton. It ran from 2013 to 2016 and measured the effects of livestock



Research at the University of Alberta looks to identify how land use and grazing impact soil carbon levels. PHOTOS: JENNIFER PAIGE



Dr. Daniel Hewins, assistant professor of biology specializing in ecosystem ecology at Rhode Island College in Providence, R.I., spoke about his research study conducted at the University of Alberta on the impacts of grazing.

grazing on the carbon nutrient cycling in the grasslands of central and southern Alberta.

Differences

Not all grasslands are the same and the study revealed some profound differences based on management and environment.

In wetter environments there is an increase in introduced species and grazing them promotes the biodiversity of perennial native grasses.

"With grazing in some of these wetter environments we saw an increase in diver-

sity, so the number of species in a community," he said. "When we have moisture available to plants, we were seeing an increase in diversity as a response to grazing, so grazing is actually stimulating biodiversity in these systems."

The study also identified an increase in productivity and increased biodiversity under grazing.

"All of these things are pointing to the fact that grazing in these grassland systems is essentially good for these ecological goods and services,"

Hewins said. "Grazing not only seems to promote biodiversity of our perennial native grasses, it also seems to limit shrub encroachment into our grassland environment. This is particularly important in places like the Rocky Mountain foothill region, or the Rocky Mountain forest reserve where grazing land is already quite limited due to the nature of the ecosystem."

He adds that grazing also stimulated root production, which increases plant biomass and ultimately leads to the formation of soil carbon. So in fact, grazing can provide the opportunity to enhance and maintain soil carbon pools.

Incentives

Hewins, along with many others within the forage sector, believe that incentives should be put in place to encourage producers to avoid converting grasslands and to manage the land in a way that is sustainable.

"Although there is no willingness to pay for what is stored in the grasslands, there should be a point made that we are protecting what is there by managing the land effectively or sustainably in that way," Hewins said. "If grasslands are converted it is also difficult to get that carbon back, so when we seed back to native, there have been some studies done and it looks like it takes more than 50 years to get that carbon pool

back up to where it really was before conversion. Ultimately, there needs to be a willingness to pay to protect some of this carbon because not only is it stored and protected in grasslands, it is also very, very difficult to get back into the soil."

In order to achieve any progress towards incentives, Hewins says the industry needs data to support what is truly happening on the landscape.

"We are working at generating a lot of this data to say, look, we are standing on a gold mine here and we need to incentivize and value this carbon stock that is in our native grasslands and our prairies," Hewins said.

"Essentially there needs to be voices that are echoing these messages and these messages need to be supported by data. They cannot stand on anecdotes alone. Native grasslands that many of you manage are providing abundant goods and services not only for your communities but also for the broader society. Services like carbon storage, improved soil health, water filtration, greenhouse gas uptake, and these are all really important for policy."

Hewins adds that research on land use and grazing systems continues at the University of Alberta with the ultimate goal of assigning a provincial-scale assessment of carbon in response to grazing.

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AMR challenge results in new strategy

Weakening bacterial diseases would give animals and humans the opportunity to defeat them on their own

BY ALEX BINKLEY
Co-operator contributor

It may be better to knock disease down, instead of out.

That's the heart of a new strategy to treat bacterial diseases in humans and animals, curbing their virulence rather than using antibiotics to wipe out the bacteria that causes them, and possibly contributing to the mushrooming challenge of antimicrobial resistance, or AMR.

The goal of the strategy is to prevent bacteria from developing resistance to medicines, says Natalie Strynadka, a biochemistry professor at the University of British Columbia. She is part of a team of researchers working on AMR under the auspices of the Canadian Institutes of Health Research.

"Bacteria are very clever when they encounter something attempting to stop them," she said.

With enough exposure to medicines, it's inevitable bacteria will develop AMR. That's why researchers are looking at ways to prevent their overuse.

"It's fair to say the best strategy is to reduce any use of antimicrobials in humans or animals," she said. "The less you use, the better off we'll be in the long term."

Treatments would enable the human or animal to become healthy enough to recover from the disease. The use of antimicrobials in aquaculture also needs to be closely scrutinized.

Her comments came as health and livestock groups wait for an announcement from Health Minister Jane Philpott on how her department will implement proposals for reforming the use of antibiotics in livestock production.

In October, she told the Canadian Meat Council she wants to act on the plan this fall. Without change, deaths linked to diseases that become resistant to modern medicines could outstrip those caused by cancer by 2050, Philpott told the recent annual meeting of the Canadian Meat Council.

In mid-November, she announced that Canada is investing a \$9-million investment in a World Health Organization project to develop a comprehensive global approach to combating AMR. The funds will support the WHO — working with the UN Food and Agriculture Organization and the World Organization of Animal Health — in developing a global package of initiatives that will address the human, animal, agricultural and environmental aspects of the fight against AMR.

Overuse of important antimicrobials in humans and animals has been blamed for the growth in AMR. Strynadka says both aspects of the problem are important and need to be addressed.

"We need to look at how much of the medicines end up in our water."

Researchers are looking for weak spots in bacteria that

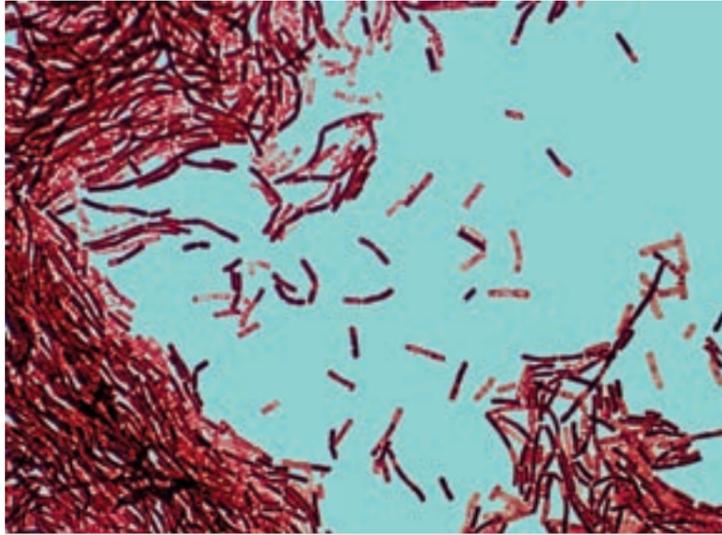
"Bacteria are very clever when they encounter something attempting to stop them."

NATALIE STRYNADKA
University of British Columbia

have developed AMR that might be able to be exploited by tweaking medicines, she added.

"We have a gap of 20 years when no medicines were developed by the pharmaceutical industry because everyone thought we had all we needed," she said.

She also said there needs to be more collaboration among government, drug makers, the medical community, veterinarians and farmers on combating AMR. "We need to find



Bacteria like this *Streptobacillus* caught on film through microphotography, are extremely good at evading control measures and developing resistance.

PHOTO: THINKSTOCK

where a better effort would be most productive."

While the livestock industry in Canada has worked to reduce its use of class

one and two medicines, the most important to humans, no farmer wants to let his or her animals or poultry suffer needlessly when treat-

ment is available, she noted. "We have to acknowledge that it's more expensive to raise livestock without using antimicrobials."

Most agri-food groups expect Health Canada will implement previously announced proposals from animal health and livestock groups. They include ending own-use imports by farmers of livestock drugs from the United States, requiring veterinary supervision of all prescription medicines used on farms and ending growth promotional claims.

Public Health Agency says AMR is one of the most serious public health threats to the treatment of infectious diseases worldwide. If action is not taken now, annual worldwide human deaths due to antimicrobial resistance could reach an estimated 10 million by 2050, overtaking deaths due to diabetes and cancer combined.

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LIVESTOCK AUCTION RESULTS

Weight Category	Ashern	Gladstone	Grunthal	Heartland Brandon	Heartland Virden	Killarney	Ste. Rose	Winnipeg
Feeder Steers	25-Nov	22-Nov	22-Nov	24-Nov	23-Nov	21-Nov	24-Nov	25-Nov
No. on offer	1,220	1,143	594	2,155	3,739*	1,129	2,055*	1,450
Over 1,000 lbs.	n/a	n/a	n/a	n/a	n/a	n/a	141.5	128.00-160.00
900-1,000	n/a	150.00-170.00	n/a	n/a	148.00-167.00	n/a	142.00-167.00	140.00-164.00
800-900	167.00-171.75	145.00-168.00	n/a	160.00-176.00	161.00-175.00	155.00-174.00	150.00-169.00	145.00-177.00
700-800	158.00-179.00	150.00-180.25	137.00-171.00	165.00-183.00	170.00-185.00	165.00-178.50	150.00-185.00	148.00-180.00
600-700	160.00-199.25	160.00-187.50	146.00-191.00	177.00-194.00	182.00-199.00 (202.00)	175.00-189.00	128.00-198.50	150.00-190.00
500-600	170.00-216.25	180.00-209.00	150.00-209.00	185.00-200.00 (217.00)	188.00-202.00 (206.00)	180.00-205.00 (209.00)	80.00-212.00	180.00-230.00
400-500	182.00-219.50	200.00-223.00	160.00-231.00	200.00-221.00	198.00-224.00	190.00-210.00 (217.00)	110.00-230.00	165.00-234.00
300-400	180.00-228.00	200.00-230.00	180.00-251.00	205.00-225.00	205.00-228.00	190.00-215.00 (226.00)	180.00-244.00	165.00-240.00
Feeder heifers								
900-1,000 lbs.	n/a	n/a	120.00-148.00	n/a	132.00-147.00	n/a	150.00-160.00	128.00-158.00
800-900	n/a	120.00-147.00	115.00-157.00	130.00-142.00	139.00-155.00	n/a	138.00-158.50	138.00-168.00
700-800	143.00-166.00	130.00-161.25	115.00-149.00	135.00-149.00	139.00-151.00	n/a	125.00-154.50	132.00-163.00
600-700	140.00-166.00	140.00-175.00	130.00-165.00	140.00-153.00	147.00-161.00	150.00-159.50	129.00-171.00	130.00-170.00
500-600	160.00-179.00	150.00-183.50	140.00-175.00	160.00-176.00	149.00-167.00	155.00-170.00	100.00-181.50	135.00-184.00
400-500	180.00-189.00	160.00-192.00	150.00-205.00	165.00-175.00	163.00-184.00	170.00-192.00	115.00-199.00	140.00-191.00
300-400	185.00-200.00	170.00-198.00	170.00-230.00	170.00-190.00	175.00-197.00	n/a	60.00-210.00	177.00-206.00
Slaughter Market								
No. on offer	160	n/a	66	134	n/a	n/a	n/a	170
D1-D2 Cows	80.00-87.00	n/a		75.00-85.00	75.00-82.00 (83.00)	70.00-80.00 (84.00)	n/a	n/a
D3-D5 Cows	70.00-79.00	n/a	67.25-80.00	60.00-75.00	73.00-79.00	n/a	n/a	n/a
Age Verified	85.00-97.00	n/a	n/a	n/a	n/a	n/a	n/a	88.00-98.00
Good Bulls	100.00-118.00	n/a	68.00-90.00	100.00-108.00 (111.00)	101.00-112.00	100.00-108.00	78.00-109.50	95.00-99.00
Butcher Steers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Butcher Heifers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Feeder Cows	n/a	n/a	n/a	n/a	77.00-95.00	n/a	n/a	n/a
Fleshy Export Cows	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lean Export Cows	n/a	n/a	n/a	n/a	n/a	n/a	n/a	62.00-72.00
Heiferettes	132.00-146.00	n/a	90.00-132.50	n/a	87.00-125.00	n/a	75.00-146.00	n/a

* includes slaughter market

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

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SHEEP & GOAT COLUMN

Lower eastern markets weigh in on Manitoba

A small sale could be a sign of things to come as low prices won't encourage deliveries

BY MARK ELLIOT
Co-operator contributor

It was a small sale in a lot of ways at Winnipeg Livestock Auction on Nov. 16. Few animals were on offer and the prices were markedly lower, following a trend from Eastern Canada. Bidding was slow and low, and even good-quality lambs and goats saw lower prices, not up to standard for high-quality animals. Prices this low are likely to result in less producer interest in making deliveries to the market.

There were only two wool ewes delivered for this sale, receiving the same \$0.74 per pound with only the weight of the animals differing.

No rams were delivered at this sale.

There was a single 125-pound Rideau-cross lamb in the heavyweight classification, bringing \$1.27 per pound.

The market lambs could not hold price bidding from the last sale. Good-quality animals still fell short of these prices. A 95-pound Dorper-cross lamb reached \$1.71 per pound due to the future breeding potential for a producer.

The price of feeder lambs was strong, but the supply was limited. There seemed to be no price differences between wool and hair lambs. The average price ranged from

\$1.61 to \$1.76 per pound. An exotic Savvy-cross lamb could not reach the average and brought \$1.27 per pound.

Lightweight lambs dominated this sale. There seemed to be a price difference in the 70-plus-pound lambs and the hair lambs were lower. The average price ranged from \$1.42 to \$1.56 per pound for hair lambs and the price ranged from \$1.64 to \$1.67 per pound for the wool lambs.

Small lambs had very little interest by the buyers. A 35-pound Rideau-cross lamb brought \$0.95 per pound.

There were no goat does or bucks supplied for this sale.

There was a real opportunity for a buyer looking to increase or start a herd when a group of 10 81-pound Boer-cross doelings arrived in the ring. These goat doelings showed quality and true firmness, but the buyers had limited interest at this sale.

The goat kids class was represented but in limited numbers. There might be one or two goat kids for a precise weight. Two Nubian-cross goat doelings showed true characteristics at the 65-pound weight.

The Ontario Stockyard Report indicates a quick recovery for lambs and sheep, with a slight price increase. However, lightweight lambs could not follow the higher price patterns. The demand for goat kids caused the buyers to show stronger bidding.

EWES	\$114.70 / \$129.50
LAMBS (LBS.)	
110+	\$158.75
95 - 110	\$162.45 \$144 - \$155.53
80 - 94	\$132.02 - \$147.95
Under 80	
70 - 79	\$130.26 \$114.80 - \$120.08 \$100.82 - \$106.58
62	\$94.24
55	\$95.70
35	\$33.25

GOAT DOES	/ lb.	ANIMAL WEIGHT
	n/a	
BUCKS		
	n/a	
KIDS - Under 80		
DAIRY	\$1.64	70 lbs.
DAIRY	\$1.58	65 lbs.
PYGMY	\$1.17	60 lbs.
MEAT	\$1.80	50 lbs.
PYGMY	\$1.13	40 lbs.

Poultry biosecurity crucial in fall

Minor illnesses in wild populations can quickly become pandemics

BY ALEX BINKLEY
Co-operator contributor

It turns out birds have a flu season too.

After years of studying the role of wild birds in outbreaks of avian influenza in domestic poultry flocks, one of Canada's top public sector veterinarians says the bottom line is farmers need to take precaution in the fall.

John Pasick is the national veterinary science authority for the Canadian Food Inspection Agency, and he says there's an annual rhythm to infections. Much like humans tend to suffer more in the fall when kids return to the Petri dish of schools, birds spread disease in the fall during migration.

"The main message from our research is for farmers to maintain good biosecurity measures in the fall when the birds are migrating," Pasick said in a recent interview. "Pay close attention to every detail during that time because domestic flocks have little natural immunity to diseases."

Even when there is no direct contact between wild and farmed birds, the weather or even small rodents can spread diseases carried by wild birds into poultry, he said. In one case in Saskatchewan, pond water transmitted an infectious disease.

Pasick has worked as a veterinary virologist with CFIA and Agriculture Canada for 24 years, including 18 years at the National Centre for Foreign Animal Disease in Winnipeg.

"Maintain good biosecurity measures in the fall when the birds are migrating. Pay close attention to every detail during that time because domestic flocks have little natural immunity to diseases."

JOHN PASICK
CFIA national veterinary authority

He was a World Organization for Animal Health Reference Laboratory expert for avian influenza and classical swine fever.

He recalls the outbreak of avian influenza in British Columbia in 2004. Coming on the heels of the BSE discovery in Alberta a year earlier, the poultry disease gained national attention. The disease has returned regularly since then, bringing it under scrutiny by Pasick and other experts.

Since then, researchers in Canada and elsewhere have been compiling data on disease outbreaks including questioning farmers whose flocks were affected. They also track migration patterns of wild birds. Their goal is to improve early warnings to farmers about disease threats.

One of their key findings is that breakdowns in biosecurity are a frequent contributor to the incident.

Basically what happens is a low-pathological disease in wild birds mutates into a high-pathological outbreak in farmed flocks kept indoors and often of the same age, he said. Backyard

poultry flocks are less affected by diseases from wild birds because they are more diverse in age.

Every outbreak in Canada is closely studied to learn as much as possible about it and the overall threat to poultry farms, he said. Canada is working with the United States to better understand transmission patterns and what causes a low-pathological disease in the wild to become much deadlier in flocks.

It's a global problem and waterfowl receive special attention in the study.

Several academic articles have been published detailing the problem in extensive detail.

Pasick is a contributor to a lengthy piece in the *Scientific Reports* series from the journal *Nature* on the outbreak of H5N2 in British Columbia in 2014.

Science Magazine, published by the American Association for the Advancement of Science, published a map showing how H5N8 spread from Southeast Asia through Russia into Europe and through Alaska into the Americas.



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WEATHER VANE

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



Stormy pattern trying to develop

Issued: Monday, November 28, 2016 · Covering: November 30 – December 7, 2016

DANIEL BEZTE

Weather Vane



Once again the weather models got the general pattern correct, but as usual, the weather is in the details. Last week's weather models showed another Colorado low developing and tracking south of us during the first half of the week. Fast-forward a few days and now that same Colorado low is expected to spin out and stall somewhere over southern North Dakota. This once again puts me at a bit of a disadvantage in trying to figure out the rest of the weather forecast.

Just like last week, this forecast period is starting with a system that should bring us a whole bunch of snow, but, just like the last system, this one is lacking cold air. By the time you read this it looks like western parts of Manitoba will have received between 10 and 20 cm of snow, while eastern regions will likely only

see a couple of centimetres, as most of their precipitation will fall as rain.

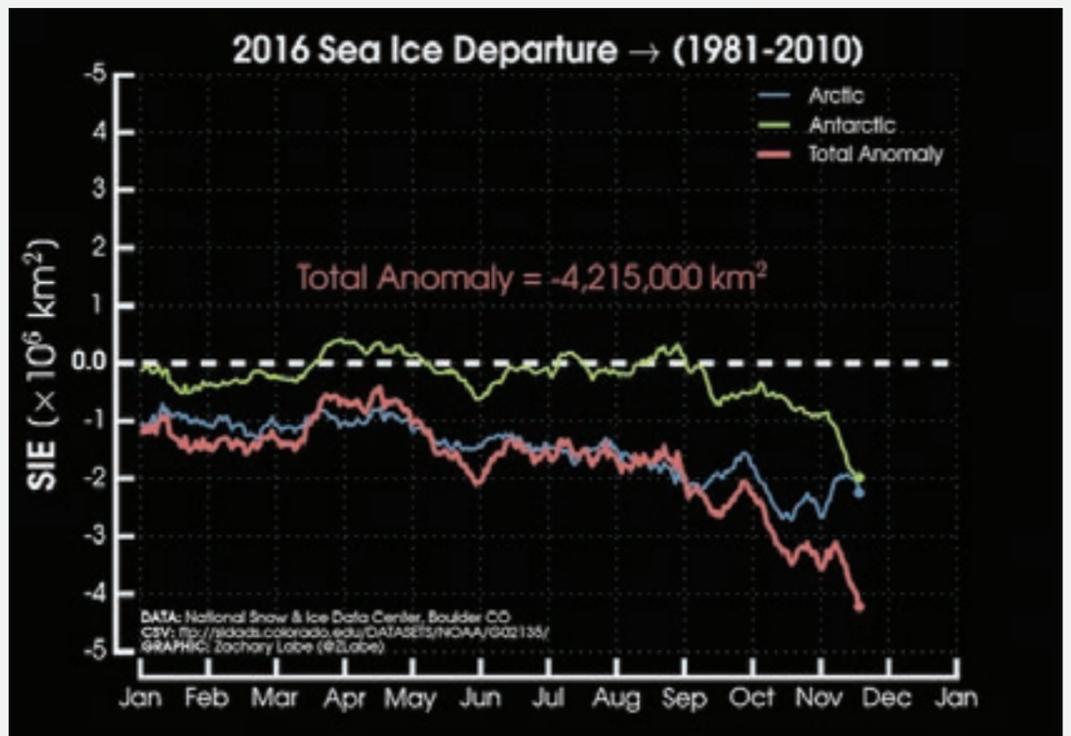
Colder, or rather, seasonable high pressure will build in starting on Friday as a weak high pressure tries to take hold. Several weak systems are forecast to travel through our region over the weekend, with the timing of these systems controlling the amount of cloud cover. Little snowfall is expected with these systems.

The next best chance for snow is next Monday into Tuesday, as an area of low pressure ripples across the southern Prairies. For those of you hoping for icy cold temperatures to move in, there is some hint of -18 C overnight lows late next week.

Usual temperature range for this period: Highs, -14 to 0 C; lows, -24 to -9 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.

DEPARTURES FROM THE 1981-2010 AVERAGE FOR SEA ICE



Precipitation data for the Prairies is still running late. This image shows the departures from the 1981-2010 average for sea ice extent in millions of square kilometres across the Arctic (blue), Antarctic (green) and combined Arctic and Antarctic (orange) for the year 2016, up to Nov. 17. Total global sea ice extent is more than 4.2 million square km below average.

PHOTO: ZACHARY LABE, BASED ON DATA FROM THE NATIONAL SNOW AND ICE DATA CENTER

Lack of any cold weather breaks records

The weather models have kept trying to bring in cold air that's nowhere in sight

BY DANIEL BEZTE

Co-operator contributor

I don't know about you, but this has been one mixed-up fall when it comes to the weather — not just across the Prairies, but across much of North America and, heck, you could even say the world. Where to start?

Locally, this fall, and especially this November, has been ridiculously warm. While there have only been a few record highs set this month, the remarkable lack of cold air has been the real story. With only a couple of days left in the month as I write this article, and no sign of significant cold air moving in, it is looking like November 2016 will go down in the record books as the warmest November on record.

The table here gives a quick summary of the mean monthly temperatures to Nov. 25, the difference from average (anomaly), and the current November records for the major centres across the Prairies. As you can see, it's looking like nearly every major centre in both Manitoba and Saskatchewan will easily break November records. In Alberta, while it has been very warm, some colder temperatures during the third week of November prevented any chance of breaking monthly temperature records.

... some research indicates early and large snow cover across Siberia can often lead to cold conditions in late December and January across North America.

These well-above-average temperatures are not just confined to the Prairies, but extend well north into the Arctic, with November temperature anomalies running from 6 to 12 C above average. This lack of significant cold air is playing havoc with the forecasts. The weather models are based on what the climate should normally do at any given time of the year. This means they tend to be a little biased toward average conditions. Normally we wouldn't notice this, but when the atmosphere is dramatically different from average this bias tends to show up. What this basically means is the weather models are having a hard time figuring things out as they keep trying to bring in cold air that just isn't there.

As I stated earlier, it has not just been our region that has seen some unusual weather. In the tropics, Hurricane Otto came ashore in central America on Nov. 24 and in the process broke several records. Otto is the only hurricane to directly hit any part of Costa Rica. Otto was also the lat-

est landfalling Atlantic hurricane, and the latest Category 2 Atlantic hurricane.

Going from the tropics to the poles, we see more unusual weather and weather-related items. For several years now we have been hearing about the low ice levels in the Arctic and this year is no different. After setting a record low in October, ice growth in November has been fairly slow, with an actual decrease in ice occurring during the middle of the month. Currently, ice coverage is running around nine million square kilometres, well over two standard deviations below the average of just over 11 million square km.

While this alone should be newsworthy, over the last few years people like to brush this off and point to the Antarctic and how much ice is there. Well, this year things are a little different in the oceans around our southern pole. Antarctic sea ice extent dropped below average in September of this year and is now running well below two standard deviations below aver-

TABLE: NOVEMBER SO FAR (°C)

City	Mean monthly temperature	Anomaly from average	Record
Winnipeg	3.6	8.5	1.3 (1923)
Brandon	2.6	8.2	0.4 (1941)
Dauphin	3.3	8.6	0.8 (1981)
Regina	2.9	8.1	0.8 (1949)
Saskatoon	2.9	8.9	0.7 (1949)
Calgary	3.6	6.0	4.9 (1949)
Edmonton	1.3	6.7	4.2 (1917)
Peace River	-1.5	6.3	1.3 (1949)

age. Now, the two ice systems are totally separate from each other and there is no scientific evidence connecting them. While the Arctic has shown a steady decline in ice coverage over the last 25 or so years, the Antarctic has seen little change or even a slight increase in ice coverage. The fact that both are experiencing record-low ice amounts could be just a coincidence of the weather, or it may be the first signs of global warming starting to impact the southern pole in a different way. Nevertheless, when we combine these two record lows together, we get a truly remarkable low in global ice coverage. The current ice anomaly is about 4.25 million square km, a remarkable eight standard deviations below the average. This will be interesting to watch to see what happens over the next several months.

Finally, if you want cold and snow, you have to go to Eurasia. This region has seen record snows early in winter and several broken one-day November snowfall records, such as Stockholm with 39 cm of snow on Nov. 9. To the east across Siberia, the temperatures have been below average, with the region seeing the greatest snow extent leading into November in over two decades. What's interesting about this is that some research indicates early and large snow cover across Siberia can often lead to cold conditions in late December and January across North America, especially eastern regions. Now we will wait and see if the lack of cold weather will continue — or will the Siberian cold eventually push our way?

CROPS

HUSBANDRY — THE SCIENCE, SKILL OR ART OF FARMING

Wheat Commission asks CGC for changes to wheat grading

The AWC says instrument-measured falling number and DON levels should replace visual proxies based on sprouting and fusarium-damaged kernels, respectively

BY ALLAN DAWSON
Co-operator staff

The Canadian Grain Commission (CGC) says it will look into the merits of including falling number and DON measurements as part of official western Canadian wheat grades, as requested by the Alberta Wheat Commission (AWC) last week.

“Our GRL (Grain Research Laboratory) and Industry services officials will establish a team to look at implementing changes into the future,” CGC spokesman Remi Gosselin said in an interview Nov. 17. “And this would certainly include significant engagement with all grain industry stakeholders — farmers, farm groups, grain handlers, processors, all the way to end-use customers.”

Currently CGC grades consider sprouting and fusarium-damaged kernels (FDK) as proxies for falling number and DON (deoxynivalenol, a toxin that sometimes follows fusarium head blight infections).

“We may not be getting paid for the quality that we are getting if you’re not measuring those things because we are using proxies,” AWC chair Kevin Auch said in an interview.

“We don’t want them to do anything that is impossible, but there is an objective measure for something that millers do care about and feeders too (when it comes to DON).”

There is a correlation between FDK and DON, but it’s variable. Sometimes there can be a lot of damage and very little DON and vice versa.

Calls for replacing visual proxies with instrument measurements aren’t new. In 2005 the Canadian Wheat Board proposed falling number be an official grading factor. Many wheat customers include falling number in their purchase specifications.

Falling number is calculated by recording the time it takes a plunger to fall in a test tube containing a slurry of water and wheat flour. The faster the plunger falls, the lower the viscosity of the solution and the poorer the bread-making quality.



The Alberta Wheat Commission wants wheat grading to be less subjective and more objective. PHOTO: CANADIAN GRAIN COMMISSION

Falling number is an internationally recognized proxy for determining alpha amylase, the enzyme that affects break making.

Measuring falling number the traditional way is time consuming, but there are machines such as the Rapid Visco Analyzer, that do it faster. But when the CGC studied the machines a decade ago it found they weren’t accurate enough when used outside a lab. As a result the CGC didn’t make the change.

Back then the Western Grain Elevator Association saw potential for driveway falling number tests, but added the expense wouldn’t be worth it unless the tests were accurate.

Usually changes to wheat grading come slowly. For example in October the CGC revised its standards for mildew, which is caused by various fungi under wet conditions. As a result now wheat can have more mildew before being downgraded. But the change followed two years of research by the CGC and consultations with end-users.

The CGC also discussed its findings with the Western Standard Committee’s wheat subcommittee. The Western Standard

Committee, which was created in 1930, includes farmer, grain company, processor and government representatives, Gosselin said.

“The standards committee makes recommendations on grades and specifications,” he said. It meets twice a year — in fall after harvest and in the spring before planting.

The CGC is committed to a science-based approach to grading, Gosselin said. And while some grading factors are assessed visually the CGC works to limit the subjectivity by building representative samples of each grade every fall for inspectors to compare against.

“At the grain standards committee in early September the CGC indicated that we would move the grading system from subjective visual factors to more objective analytical factors and that it was a strategic direction for the organization,” Gosselin said.

“We have a wheat class system and grades in place that also serve us well, not only for segregation purposes but also ensuring consistency in terms of performance. There is always room for improvement. And that is part of what the standards committees do.”

“We may not be getting paid for the quality that we are getting if you’re not measuring those things because we are using proxies — sprout damage for falling number (and fusarium-damaged kernels for DON).”

KEVIN AUCH

Auch agrees Canada has a good grading system, but objectively measuring quality attributes would serve everyone better than visual proxies, he said.

“We think this is something that is important and we would like them (CGC) to look at it,” he said.

“If it makes sense it will happen. When we look at it, it just makes sense. It’s just machinery that we need to get this done.”

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North asks AMM to support Port of Churchill

Resolution asks AMM to lobby to ensure port stays open for 2017 shipping season



Port of Churchill. PHOTO: FILE/REUTERS

STAFF

The Association of Manitoba Municipalities wants the province and federal government to make revitalizing the Port of Churchill and ensuring operations of the rail line to the northern town their top priority.

The town of Churchill's mayor and council asked delegates for support, bringing an emergency resolution to last week's municipal leaders' convention in Winnipeg.

The resolution calls on the AMM to lobby both levels of government to "jointly act to ensure that the Port of Churchill reopens for the 2017 grain season."

"The potential loss of the port and rail line would be a setback to all municipalities in the province," said AMM president Chris Goertzen in a news release. "The develop-

"The potential loss of the port and rail line would be a setback to all municipalities in the province."

CHRIS GOERTZEN
AMM president

ment of Canada's North benefits us all."

The Port of Churchill's owner, OmniTrax Canada, gave notice July 25 that it was shutting the port down and not shipping any grain for the foreseeable future. This has resulted in more than 100 grain elevator, port and railway employees being laid off across Manitoba, with much of the impact centred in Churchill.

Churchill Mayor Mike Spence said his council has been having meetings with the feds and province and that coalition has formed from representatives from Churchill, The Pas, northern communities including the Kivalliq Region in Nunavut and the Hudson Bay Route Association. The group supports acquiring the assets of the port.

The resolution passed at AMM says the potential loss of the port would be a setback to farmers and all municipalities in the province supporting development in the North, noting also that the port is an essential base for Arctic operations supporting federal ocean protection plans.

The request for action is directed at Manitoba's new Northern Economic Development Strategy unveiled at the beginning of November by Growth Enterprise and Trade Minister Cliff Cullen. That initiative aims to attract new business to develop northern Manitoba's potential.

That strategy is being led by co-chairs Onekanew (Chief) Christian Sinclair of the Opaskwayak Cree Nation and Chuck Davidson, president and CEO of the Manitoba Chambers of Commerce.

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Health Canada proposes phase-out of one neonic pesticide

The CFIA says the imidacloprid phase-out will happen in conjunction with a joint review of pollinator health with other regulatory agencies

BY ALEX BINKLEY
Co-operator contributor

Health Canada plans to phase out the use of the neonic pesticide imidacloprid in three to five years and conduct special reviews of clothianidin and thiamethoxam, two other popular neonics.

Officials said the department is concerned about the risk the pesticides “may pose to aquatic invertebrates, including insects, as they are being detected frequently in aquatic environments.”

Consultations on the imidacloprid phase-out will be held in parallel with a joint review by the Pesticide Management Regulatory Agency, the U.S. Environmental Protection Agency and the California Environmental Protection Agency on the impact of neonics on pollinators. It’s scheduled to be finished in 2017.

Fiona Cook, executive director of Grain Growers of Canada, said her organization plans to study the potential impact of the phase-out and the availability of substitutes as they plan their comments for the 90-day review process.

“Grain farmers across Canada utilize many crop protection products, based on what is most suitable for their environment and needs,” she said. “They work hard to follow all recommended guidelines and adapt when those change.”

She pointed out the review did not find any risks to human health when imidacloprid is used as indicated. “Growers have extensive and varied on-farm environmental risk mitigation practices which are constantly being adapted as they work towards improved soil, water and environment,” she said.

Mark Brock, chairman of Grain Farmers of Ontario, said his group accepts Health Canada’s science-based decision on imidacloprid.

“Its loss will have an impact on grain farmers but it’s the lesser-used product of the three,” he said. “We need to focus on preserving the other two.”

He said GFO will participate in the consultations on the three-year phase-out, which could be extended to five years in cases where no alternative is available. The group will look for ways to retain the use of the product.

Health Canada noted neonics “have been approved in Canada for many years and replaced older pesticides that had much greater risks to health and the environment.”

Corn and soybean growers plant neonic-coated seeds to prevent damage by wireworms and other pests in the soil. Neonic dust from corn planting in Ontario in 2013 is blamed for a drop in the provincial bee population. Mitigation measures ordered by the Pesticide Management Regulatory Agency in 2014 have reduced bee deaths by up to 80 per cent.

Health Canada officials said imidacloprid does not present an unacceptable risk to bees. However, its continued current use was not sustainable because “levels of this pesticide that are being found in waterways and aquatic environments are harmful to aquatic insects, such as

mayflies and midges, which are important food sources for fish, birds and other animals.” It posted a draft risk assessment of the neonic on its website for public comment by late February.

“We are consulting on these proposed mitigation measures, and the final re-evaluation decision and risk management plan will take into consideration any comments received during the consultations,” officials said. The department plans “a multi-stakeholder forum that would discuss any proposals for potential alternative mitigation strategies that would achieve the same outcomes in a similar time frame. However, any proposals for continued registration would need to clearly demonstrate concrete actions that would ensure that levels of imidacloprid in water would be reduced below the level of concern.”

The special reviews of clothianidin and thiamethoxam “will examine any potential risks these pesticides may pose to aquatic invertebrates, including insects, as they are also being detected frequently in aquatic environments.”

Health Canada has determined that concentrations of imidacloprid in surface water can range from non-detectable to, in some rare cases, levels as high as 11.9 parts per billion. Scientific evidence indicates that levels above 0.041 parts per billion are a concern.

To date, there has been no indication that neonicotinoids pose a risk to human health, including from exposure through drinking water or food, when used according to current label directions. Health Canada said its scientists routinely re-examine pesticides that are registered in Canada to

ensure they continue to be safe for humans and the environment.

Meanwhile environmental groups praised the Health Canada action. The Canadian Wildlife Federation said the pesticide was “at concentrations of up to 290 times the acceptable level for aquatic invertebrates. This is very concerning, and proposing a ban on its use is the appropriate decision given the evidence of harm.”

While protection of the environment is paramount, the Canadian Wildlife Federation also wants assurance that farmers are supported throughout the banning process. Some farmers may feel that the proposed ban will truncate their options to deal with pests, it added.

“Agricultural departments across Canada should support our farmers by boosting their capacity to provide agricultural exten-

sion, particularly in the area of integrated pest management. The next phase of our federal agricultural policy framework, Growing Forward 3, is an excellent opportunity to address this deficiency.”

Équiterre and the David Suzuki Foundation said the proposed timeline is unacceptable. “Other jurisdictions have acted decisively, like France’s ban on all neonicotinoids that will come into effect in 2018,” said Nadine Bachand, project manager at Équiterre.

Research demonstrates that integrated pest management and other best practices are currently available to eliminate the need for those pesticides to manage pests on crops. “Neonicotinoids are used prophylactically in corn and soy crops, through seed coating, irrespective of whether the farmer actually has a pest problem in their field.”



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SEASONAL SUNSETS



Even when the north wind was blowing, threatening to bring on winter, November still provided spectacular Prairie sunsets. PHOTO: SANDI KNIGHT

Most Canadian chickpeas headed for feed market

Lower-quality chickpeas are valued among feed crops

BY PHIL FRANZ-WARKENTIN
CNS Canada

Low yields and poor quality have caused Canadian chickpea price quotes to shoot higher.

Very little of the crop actually falls under the top grades, however, leaving the bulk of the marketing to take place in the feed sector.

“The chickpea harvest has been an unmitigated disaster,” said Colin Young of Midwest Investments at Moose Jaw, Sask.

Dryness at seeding time was followed by unprecedented rainfall over the summer, which led to considerable disease issues and stripped away both yields and quality.

Then, to add insult to injury, poor harvest weather likely led to about 10 to 20 per cent of the seeded acres being abandoned.

Chickpeas grading No. 2 or better are commanding a premium, with prices as high as 65 to 70 cents/lb. quoted from some buyers, according to Young.

However, while southern Alberta and the U.S. had relatively good-quality chickpeas, those crops are already spoken for and Young said “virtually none” of the remaining chickpeas fit the bill.

In the 17 years he's been marketing chickpeas, Young said 2016-17 “is by far the most devastating quality,” with high amounts of mould a particular challenge.

Before the harvest, Statistics Canada estimated the chickpea crop at 114,000 tonnes, which would compare with 90,000 tonnes the previous year. However, with the abandoned acres and poor yields, Young estimated the crop may be only 60,000 tonnes, with half to two-thirds of that straight feed.

Speaking about his own farm, Young noted the quality ranges from “really awful-looking feed, to quite nice-looking feed.”

One silver lining is that the feed market is paying a significant premium over traditional feed prices, with feed prices in the 25-32 cents/lb. range.

“We're selling feed chickpeas for a higher price than we were selling No. 1 chickpeas two years ago,” said Young.

While high prices usually encourage additional acres, the disappointing 2016 crop may dissuade some planted area in 2017.

Young also expected seed shortages would provide a natural barrier to chickpea acres.

“Canada being out of chickpeas is like the corner store being out of milk,” Young added, noting that despite the localized issues, the world market will still be set by prices in the larger-producing countries such as Russia, the U.S., Argentina, India and Australia.

While that may be the case, Young said international customers still like Canadian chickpeas and will be ready to buy again when the quality improves.

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COLUMN

Oat futures rally to a one-year high

The increase might seem sudden but charts predicted upward movement

DAVID DROZD
Market Outlook



Total open interest in the CBOT oat futures went from a high of 10,738 contracts on September 28 to a low of 8,332 contracts on November 3, 2016.

Oat futures at the CBOT experienced a 40 per cent gain from September 13 to October 28, 2016. The December 2016 oat futures rallied \$.69 per bushel (all figures U.S. funds), going from a low of \$1.71 to \$2.40, a one-year high.

The December oat futures contract had been in a major downtrend since it came on the board and started trading at \$3.15 per bushel on December 12, 2014, so some market participants may have been surprised by the suddenness of the rally. However, the development of a harami on the CBOT December oat futures candlestick chart on September 27, 2016 alerted technical analysts that the market was about to turn up.

Candlestick charting provides an insight into market activity that is not readily apparent with the conventional bar-type charts. When you see a black bar you know the sentiment is bearish. When the bar is white, it is bullish. The harami illustrated in the accompanying chart is quite common, and is a very useful tool in predicting changes in market direction.

The Japanese are regarded as the true pioneers of market technical analysis. They began trading forward rice contracts (futures) in 1654 and by the year 1750 developed a relatively sophisticated way to analyze the markets. These same techniques have

evolved over nearly 250 years into an amazingly powerful modern-day charting method called candlestick.

An advantage in studying candlestick charts is they allow the viewer at a casual glance to spot technical strength and/or weakness by highlighting the relationship between the open and the close for each line (candle). The candlestick method gives you deeper insight by utilizing numerous interpretations for intra-line activity. Hence, the user has a timely advantage in spotting key market turning points for all time frames.

The Japanese method of charting is called candlestick because the individual lines resemble candles. The daily line shows the open, high, low and close. The thick part or candle is called the real body and it highlights the range between the open and close. If the close is above the open then the body will be white. When the real body is black this simply means the close was below the open.

The lines above and below the real body represent the high and

CBOT OAT DECEMBER 2016

Chart as of November 18, 2016



low ranges for the period and are called shadows. The long black body illustrates a bearish period in the market with an opening near the day's high and close near the day's low.

A white body is the opposite of a black body and shows technical strength with an opening near the low and a close near the high. The small body represents a tight range between the open and close. Combined with other patterns they can be very significant, such as in the development of a harami. The small body of the harami must be contained by and opposite to the real body preceding it. This pattern indicates the market has entered a

point of indecision and a trend change is possible.

Shortly thereafter, a short-covering rally ensued. This occurred when the shorts bought back their positions. As futures moved through key areas of resistance, they uncovered buy stops, which drove futures higher.

Shorts exiting the market, place buy stop orders above the market in order to take profit, protect their capital and/or cut losses. This buying frenzy continues until the weak shorts have been flushed out of the market. Declining open interest in a rising market is indicative of a short-covering rally. Total open interest in the CBOT oat futures went from a high of

10,738 contracts on September 28 to a low of 8,332 contracts on November 3, 2016.

Oat producers who recognized the harami and the subsequent short-covering rally had the conviction to sit tight and wait for higher oat prices.

David Drozd is president and 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.

PotashCorp to cut output, jobs

The company will focus on its 'lowest-cost' mines

BY ROD NICKEL
Reuters

Fertilizer maker PotashCorp said Nov. 23 it was reducing jobs and output at one Saskatchewan mine and temporarily curtailing production at two others as the sector struggles with weak prices.

The company said it would cut production at its Cory potash mine, just west of Saskatoon, to 800,000 million tonnes a year from 1.4 million, resulting in a reduction of 100 jobs and 40 temporary positions starting in February.

Potash will also curtail production for six weeks at its Lanigan, Sask. mine starting in January and for 12 weeks

at Allan, Sask. starting in February.

The changes come after potash prices fell to decade lows this year due to excessive global capacity, although they have recently improved. PotashCorp is still completing a multi-year expansion of its mine at Rocanville, Sask., about 120 km southeast of Yorkton.

The production cuts will allow the company to best use output from its lowest-cost mines, including Rocanville, Mark Fracchia, president of its potash division, said in a statement.

Pending regulatory approval, the company is merging with rival Agrium, which also runs a Saskatchewan potash mine near Vanscoy, about 20 km southwest of the Cory site.

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Durum bids topping out in West

World durum markets have adjusted for the Canadian crop's quality

BY PHIL FRANZ-WARKENTIN
CNS Canada

Durum bids in Western Canada posted solid gains over the past two months, with concerns over the quality of the crop behind much of the strength.

Prices are showing signs of topping out, though — and the highs may be in for now.

Spot durum bids in southern Saskatchewan, where the bulk of the country's crop is grown, are currently at about \$310 per tonne, according to data compiled by PDQ (Price and Data Quotes). That's down by about \$5 from highs hit earlier in November, but still more than \$60 above levels seen at the beginning of September.

Quality issues with Canada's crop were a major supportive influence, but "the world market has adjusted for the Canadian quality... You won't see much price strength beyond what we've seen right now," said Jerry Klassen, manager of Canadian operations with Swiss-based GAP SA Grains and Products in Winnipeg.

The U.S. had a relatively large, good-quality crop, and Klassen

said the top end market was already saturated.

As a result, he recommended farmers with unpriced good-quality durum make routine sales over the next four months, especially as European and Mexican new crops will start to be available in May.

The seasonal closure of the Port of Thunder Bay at the end of December will also cut into Canadian interior bids.

High vomitoxin levels in Canada's durum crop are a particular challenge this year.

European customers will accept durum with vomitoxin levels under 1.75 per cent per million, while the cut-off is under two per cent for all other destinations, said Klassen.

High-vomi durum should not be blended under any circumstances, Klassen stressed, as farmers run the risk of samples coming in above the tolerance, which would lead to the rejection of entire cargoes.

While the price may not be optimal due to large Canadian feed supplies, Klassen said any durum with high vomitoxin levels should be sold into the feed market over the next four months as "that's when there is seasonal demand for feed."

Ritchie Bros. buys Saskatchewan's Kramer Auctions

The North Battleford auction firm's chiefs will join Ritchie

STAFF

One of the Prairies' major farm auction houses has become part of the world's biggest industrial auction firm.

Vancouver-based Ritchie Bros. announced Nov. 15 it has bought Kramer Auctions of North Battleford, Sask. for an undisclosed sum.

The company, set up in 1949 by the late Eiling Kramer, today runs about 75 on-farm dispersal auctions, four on-site consignment equipment auctions and eight bison auctions per year across the three Prairie provinces.

Kramer moved over \$60 million of agricultural equipment, real estate and other assets in the 12 months ending Sept. 30, Ritchie Bros. said.

Kramer also operates as a licensed real estate brokerage and conducts auctions for farmland as well as residential, commercial, recreational and lake properties.

Company president/general manager Neil Kramer and three other principals have all joined Ritchie Bros. and will continue overseeing auctions on the Prairies under the Kramer Auctions brand, Ritchie Bros. said.

"We've respected the growth and interest Ritchie Bros. has developed in the agricultural space over the last 15 years."

NEIL KRAMER
general manager, Kramer Auctions

Ritchie said it plans to keep the Kramer brand "for the immediate future," given the "deep customer relationships and significant brand equity associated with the Kramer Auctions name."

Kramer Auctions' lone permanent auction site at North Battleford will continue to be owned by the Kramer family and leased to Ritchie Bros. "for the foreseeable future."

Kramer's other full-time staff have also been offered jobs with Kramer through Ritchie Bros., the company added.

"We've respected the growth and interest Ritchie Bros. has developed in the agricultural space over the last 15 years," Neil Kramer said in the Nov. 15 release.

Kramer's principals, he said, "believe we can offer our customers even greater value by blending our expertise of seamless

farm auctions with Ritchie Bros.' leading technology and reach of international bidders."

Ritchie Bros., which like Kramer conducts unreserved auctions, started at Kelowna, B.C. in 1958 and now bills itself as the world's largest industrial auctioneer and one of the world's biggest sellers of used equipment for the farm, construction, transportation and resource sectors, among others.

Its other acquisitions so far this year have included online equipment marketplaces Mascus and IronPlanet, U.S. auction firm Petrowsky Auctioneers and a minority stake in equipment search engine Machinio.

Ritchie Bros.' deal for Kramer doesn't include Kramer Trailer Sales, a North Battleford trailer dealership that will remain with the founding family.

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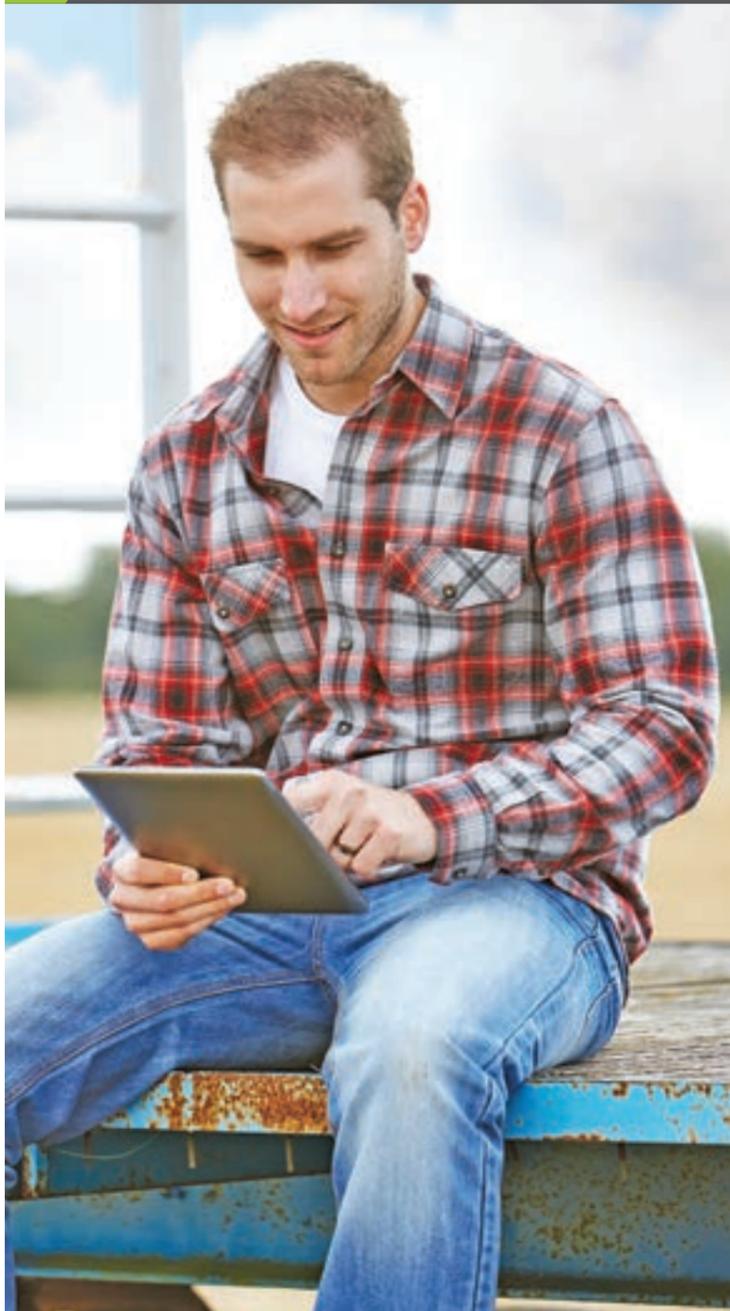
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Louis Dreyfus shelves bond issuance plans

Volatile market conditions and a sharp increase in funding costs blamed

BY LAURA BENITEZ
LONDON / Reuters

Commodity giant Louis Dreyfus has decided not to proceed with a proposed five-year euro-denominated bond, blaming a sharp increase in funding costs on volatile market conditions.

The company said in a statement to investors on Nov. 17 it had taken into account current market conditions and objectives of the transaction and would instead re-engage with investors in the future.

A sharp sell-off in government bonds has tested investor sentiment this week, leaving only the strategic and less price-sensitive borrowers to access the market.

“The market has shifted substantially from when Dreyfus initially met investors early this month,” a lead on the deal said.

“We’re in a different place, and there are levels where the company is prepared to print, and levels where they’re not, and we fell into the latter category.”

Investor feedback for an expected 300-million-euro five-year trade was in the range of mid- to high four per cent, on Monday, and leads told IFR that the deal was expected to price this week.

However, one investor said that the deal would have to be marketed with a five per cent yield price to pique his interest.

He attended the London leg of the meetings last week and said that the company was struggling with operating profits, that its leverage was deteriorating, with no indication that things would get better in the near term.

This week’s torrid market backdrop has made bond executions tricky, and forced most corporate borrowers to pay much higher premiums than has been required for a large part of the year.

“It was going to be tough for them at the best of times,” a banker away from the deal said.

Louis Dreyfus, like its commodity trading peers, has been grappling with ample supplies, lower prices and slower economic growth after a decade-long industry boom.

The company, controlled by Margarita Louis-Dreyfus through the Akira family trust set up by her late husband Robert, also wants to improve its return on equity ratio for its shareholder, with a target to reach 10 per cent as soon as possible, compared with 5.5 per cent in the first half of this year, CEO Gonzalo Ramirez Martiarena said last month.

SUNSHINE RETURNS



After a few gloomy days the return of sunshine and blue skies was welcome Nov. 26. PHOTO: SANDI KNIGHT

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Need for tax reform raised at AMM

Provincial finance minister says province is looking at “some bold new ideas on the subject” while also seeking ways to ease tax pressure on farmers in the shorter term

BY LORRAINE STEVENSON
Co-operator staff

Municipal leaders made a plea to the province's new government last week to rethink how property is assessed as a way of reducing a widening gulf between urban and rural taxpayers' property taxes.

Mayor of Ste. Rose Municipality and farmer Rob Brunel was among the first to the microphones as Premier Brian Pallister and his provincial cabinet assembled to take questions from delegates at the Association of Manitoba Municipalities convention. He asked if the province would be prepared to go through a process to adjust the portion percentage assigned to farmland.

“What we've seen is an increased tax burden placed on farmland when it comes to municipal budget,” he said.

Brunel is referring to the portion, or percentage, of a property's assessed value to which taxes are applied. The province determines that percentage. Currently, farmland is taxed at 26 per cent of its assessed value.

The large increases farmers saw on their tax bills this year reflect how much farmland has been rising in value. Since 2012 average farmland values have doubled, according to Farm Credit Canada.

The jump in taxes this year has raised widespread concern that farmland owners are paying a disproportionate share of municipal budgets.

Minister of Finance Cameron Friesen, who was among other cabinet ministers taking questions from AMM delegates, thanked Brunel for his question, saying cabinet had anticipated the matter would come up at the AMM's convention.

“Certainly, this is a concern to us,” Friesen said, adding that

the matter has been frequently raised during consultations as it conducts an ongoing review of Manitoba's tax system.

“We have some bold ideas that we're setting out to explore on that subject. But also we understand that, in the interim, and in the right now, operationally it creates a huge challenge (on farmers).”

“As a government we take the view that we've already had enough taxes and this is a detrimental burden on operation. We're seeking to understand what could be done right now to relieve some of the pressure on that burden to producers.”

In a statement released later in the week, Friesen again cited the government's ‘value for money’ review and red tape reduction initiative now underway.

“It would be premature to comment on any potential changes of the current system until that review is complete and recommendations are brought

forward for consideration,” the statement said.

Indigenous and Municipal Relations Minister Eileen Clarke said government is working closely with all stakeholders, including Keystone Agricultural Producers (KAP), on the matter and cited the property tax study now underway by KAP.

That study is looking municipality by municipality at how much have land values increased and accordingly how much have the taxes bills increased. The increases are not uniform across the province.

Brunel said later in an interview pressure must be kept up on the province to address the issue.

“There is a need and urgency to not only fix school tax on farmland but this steady shift of taxes on to farmland,” he said.

“Budget season is just around the corner. Quite frankly, as a municipality we would like to rectify this as soon as possible. But we also don't want to just put

this fire out. We want to settle this long term as well.”

Dan Mazier, KAP president, agrees it won't be easy to restructure how municipal taxes are collected, noting his organization's repeated ask to remove the \$5,000 cap on education tax rebates for farmland. This issue of assessment only further complicates the discussions, he said. The matter will need to bring multiple government departments together, including finance, education and municipal relations.

“It's going to take awhile to sort out,” he said. “We're asking them (the province) to sit down with our stakeholders, which, in this case would be not only KAP but the AMM and Manitoba School Boards Association. Because sitting back and pointing fingers at each other and saying ‘get your taxes down’ is not working. It can't work this way.”

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BRIEFS

U.S. ups 2017 biofuels requirements

NEW YORK/REUTERS/
The U.S. government has announced finalized targets for biofuel use for next year, requiring that energy companies blend 19.28 billion U.S. gallons of renewables into the nation's fuel supply.

The Environmental Protection Agency (EPA), in a Nov. 22 statement, set the target for conventional biofuel, or ethanol, at 15 billion gallons and the advanced biofuel target at 4.28 billion gallons for 2017.

The agency set the mandate for biomass-based diesel at 2.1 billion gallons for 2018.

That compares with the total 18.8 billion gallons proposed in May and would be up six per cent from this year's 18.11 billion gallons.

The EPA is required to set targets by the Renewable Fuel Standard, with annual mandates for how much ethanol and biodiesel need to be blended with gasoline and diesel. The program, signed into law by President George W. Bush, was designed to curb greenhouse gas emissions, promote energy independence and boost rural economies.

The increase to 15 billion gallons for the conventional biofuels target marked a victory for the U.S. ethanol industry, after years of battling regulators to increase the mandates to levels laid out by Congress in 2007.

President Barack Obama's administration pulled back on the targets in recent years due to what it saw as marketplace challenges.

High-protein yellow peas pump up products

Adding yellow pea flour to recognized products like instant noodles can help improve nutritional value

BY SHANNON VANRAES
Co-operator staff

The phrase “eat your peas” is about to take on a whole new meaning.

Researchers in Winnipeg are finding ways to add yellow pea flour to food products consumers are starting to view as unhealthy — such as breads, instant noodles, pasta and breakfast cereal — to give them a healthy kick.

With funding from Pulse Canada and the Canadian Agricultural Adaptation Council, the Canadian International Grains Institute (Cigi) has taken on the challenge.

“The whole purpose of the project is to take a look at using pulse ingredients as a very nutritious way to improve food products that are under pressure right now in the food industry,” said Heather Hill, project manager for pulse flour milling and food applications at Cigi. “So we are looking at using yellow pea flour to improve the protein, the fibre, micronutrients and even the glycemic response of different food products.”

Building on four years of previous Cigi research, Hill is now working to refine milling methods and find ways to increase the nutritional value of foods like instant noodles, extruded snacks and breakfast cereal. One goal is to replace carbohydrates with protein.

“Here in Canada we are seeing there is not really a lot of consumption of yellow peas, which is unfortunate, because they are such a healthy crop,” said Hill. “Protein is really important to consumers, especially when looking at things like breakfast cereals, so we’re incorporating yellow pea flour and yellow pea semolina into breakfast cereal formulations — this is really helping to boost up that protein content and protein really makes you feel full throughout the day, so it’s



Instant noodles, made in part with yellow pea flour. PHOTOS: SHANNON VANRAES

“For the instant noodle products that we’re working on right now, what we’re taking a look at is trying to understand how different flour ingredients and different particle sizes can affect the quality attributes.”

HEATHER HILL



Heather Hill explains the use of yellow pea flour at Cigi.

really important to get that nutrition and that nutrient into your food product early in the morning.”

By adding 60 per cent yellow pea flour to a “Corn Pop”-style breakfast cereal, researchers at Cigi have created a product with nearly 16 per cent protein. The average breakfast cereal only has about 3.5 per cent protein.

Hill said they are now working to fine-tune taste, texture, size, colour and aerosol structure in the cereal.

“We were really interested to look at how even the milling process might affect some of the quality attributes of the breakfast cereal,” she said, explaining that they’ve found treating yellow peas with heat prior to milling helps reduce

the “pea taste” in the final product.

As well, some products have an improved texture with the use of yellow pea semolina.

“For the instant noodle products that we’re working on right now, what we’re

taking a look at is trying to understand how different flour ingredients and different particle sizes can affect the quality attributes of those new products,” Hill said. “We’re also taking a look at adjusting flavour and processing conditions of those instant noodles to make the best products possible.”

Instant noodles made with raw pea flour, as opposed to those made from the flour of heat-treated yellow peas, had a stronger flavour and more orange colour, she added. Deep frying the instant noodles also helps diminish pea flavours in the products, which contain about 20 per cent yellow pea flour.

While products are still some time away from commercialization, the plan is to have enough protein in them to meet label claim requirements in the United States and Canada — about five grams of protein per 30-gram serving.

“We’re looking forward to optimizing this further and taking it to the next level,” Hill said.

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HIGHER YIELDS
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Municipalities press for a night hunting ban: AMM

Minister of sustainable development met for an hour with 16 leaders from western Manitoba following Ministerial Forum at the Association of Manitoba Municipalities convention in Winnipeg last week

BY LORRAINE STEVENSON

Co-operator staff

Scott Phillips didn't mince words voicing his frustration at last week's municipal convention about the night hunting that continues unabated in rural Manitoba.

"Are you going to ban night hunting and are you going to do it right now?" the councillor from the RM of Sifton at Oak Lake asked an assembled provincial cabinet, during the Association of Manitoba Municipalities convention.

"Manitoba needs an instant ban, on all groups night hunting, today," he said.

That was last Tuesday morning, just as word was spreading of two more losses by cattle producers near Virden, allegedly shot by night hunters the night before.

There soon won't be any more moose left in southwestern Manitoba, Phillips told the forum. "We used to have 200 to 300 moose in western Manitoba. Now we're down to a handful. I can send you pictures of moose shot and carcasses left... it's a disgrace."

Those driving around with high-powered rifles looking for big game think they'll get away with it, knowing there are so few



Western leaders warn the province about the risks to the public associated with hunters shooting high-powered rifles at night. They also provided photos in a session with the minister of sustainable development of animals shot and left to rot.

PHOTO: SUPPLIED

conservation officers in the area. There are just two conservation officers assigned to about 10,000 km, he said.

"How would the City of Winnipeg like to have two cops for the entire city?"

Minister of Sustainable Development Cathy Cox replied, saying the province is committed to curtailing unsafe and unsustainable hunting and fishing activities.

"I have heard from hunters and municipalities and stakehold-

ers often with regard to this," she said. "We are going to be developing new hunter safety programs together with hunters and indigenous people just to ensure that they're aware of the real concerns with regards to night hunting," she said. "We are going to develop regulations together with stakeholders."

To tackle the immediate problem, Cox said they have stepped up conservation patrols, relocating conservation officers to target areas.

"Extremely ignorant and they're just ignoring the rules."

SCOTT PHILLIPS
RM of Sifton councillor

"We've also increased air surveillance to ensure we're able to find more night hunters. Conservation officers are working hard and putting their life on the line," she said, adding those efforts have resulted in 38 persons convicted of night hunting and 20 vehicles confiscated.

Phillips said later a ban on spotlighting can't come soon enough. The amount of illegal activities for hunting and fishing is just disgusting, he said.

"Halloween night there were two deer shot in the night. Our grader operator came on them in the morning. They were skinned just enough to get the backstraps off and the rest wasted."

Another buck shot and left to rot was discovered left in a field just three days later, he said. It's also appalling to see the high volumes of fish taken at sites like the Souris dam. People take home

pails and pails of young fish and do so because they either don't know that's illegal, or they don't care, he said.

"Extremely ignorant and they're just ignoring the rules," he said.

He and other municipality leaders — 16 from four municipalities, Sifton, Whitehead, Grasslands and Souris-Glenwood — met later for an hour with Cox to discuss the problem.

The discussion left them heartened the province is taking this issue very seriously, he said. It included not only Cox, but the deputy minister, the chief conservation officer, a conservation lawyer and two administrative staff.

According to the Manitoba Wildlife Federation, big-game hunting in Manitoba is in crisis, with populations of moose, elk and caribou under siege, and night hunting putting hunters and rural Manitobans at risk.

However, Manitoba currently has no management plan or structure in place to deal with constitutionally protected Aboriginal hunting rights.

Rob Olson, MFW managing director told the *Co-operator* last month that until the province begins working on that it cannot move ahead to ban night hunting.

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New models of health-care delivery sought

The province wants Manitobans to offer ideas on how to make right choices and ensure quality care is available for many years to come, health minister says

BY LORRAINE STEVENSON
Co-operator staff

As Manitoba's population ages, it's going to need more personal care beds — well beyond the 1,200 new spots already promised by the provincial government.

That frank assessment came from provincial Minister of Health, Seniors and Active Living, Kelvin Goertzen, at the annual convention of the Association of Manitoba Municipalities last week in Winnipeg.

"The need is probably two or three times that in eight to 10 years," said Goertzen, speaking at the event's ministerial forum Wednesday.

Meeting that demand won't be sustainable at current levels of costs and different models for providing

"There will have to be different ways of looking at care beyond personal care homes."

KELVIN GOERTZEN
minister of health, seniors and active living

personal care must be found, he said.

"We will have to look at different and creative ways when it comes to personal care homes. Personal care might not take place in personal care homes," he said.

"There will have to be different ways of looking at care beyond personal care homes."

The minister was responding to questions from delegates about when their communities might finally see much-needed facilities built

in their region. Said one delegate from Lac du Bonnet, "there is desperate need" for a facility they've been long awaiting there.

The Tories campaigned on the promise they would fast track construction of 1,200 new personal care home beds over eight years. The cost will be \$160 million — or about \$133,000 per bed.

"That is an impressive target to meet, a challenge to meet," Goertzen said, adding they are currently reviewing

both existing submissions and taking new requests.

Government will be looking for efficiencies to operate these facilities while also needing partnerships and help from municipalities to deliver on this, he said.

Health-care review begins

Last week the Manitoba government announced a Health Care Sustainability and Innovation Review seeking public input through surveys on how to improve the long-term sustainability of Manitoba's overall health-care system.

"We want input from Manitobans on how health-care spending should be prioritized, what ideas should be pursued and what concerns should be addressed," Goertzen said in the news release.

"Right now, the costs of the

health-care system are not sustainable and we want to hear from Manitobans about what we can do better.

"We are asking Manitobans for their ideas on how we can make the right choices to be more efficient, implement cost-effective new ideas and ensure quality care is available for many years to come."

The survey feedback will be used to inform the recommendations of the review, the minister said. An initial report is expected by the end of January 2017 with a final report in spring to provide recommendations with implementation plans, timelines and estimates of the projected savings.

To take the survey, visit www.gov.mb.ca/health/haveyoursay.

lorraine@fbcpublishing.com

BRIEFS

Record stocks to keep food prices low in 2017 — Rabobank

BY NIGEL HUNT
LONDON / Reuters

Record-high stocks should keep world food prices low during 2017 even as inflation starts to rise in many developed economies, agribusiness bank Rabobank said in a Nov. 22 report.

Staple food commodities such as wheat, corn and soybeans are being stored in record volumes, keeping a lid on the prices which are expected to be paid to farmers next year.

Rising global demand should, however, stem a three-year decline in prices, the bank said.

"The global population is growing and prosperity is rising, fuelling the switch to more expensive meat and dairy-rich diets. In our view global food prices should in the main hold up, even if farmers are braced for little or no commodity price growth during the year," Stefan Vogel, Rabobank's head of agri-commodity markets said.

Rabobank said much could depend on China which has huge stocks of many commodities including corn, wheat and soybeans.

"The most striking wild card in this is China... Any decision by China's policy-makers to begin selling down these reserves would have a profound effect on world markets as Chinese imports would decline," Vogel said.

The Rabobank report, which looked at the prospects for 13 food and agricultural commodities, was bearish about the outlook for arabica coffee and palm oil.

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COUNTRY CROSSROADS

CONNECTING RURAL FAMILIES

Farm Women's Conference sees upsurge

Young farm women are showing more interest in the organization which pleases longtime members

BY GORD GILMOUR
Co-operator editor

What a difference a decade can make.

Ten years ago, as the Manitoba Farm Women's Conference celebrated its 20th anniversary, many of the organizers were wondering quietly if it might be time to consider wrapping things up.

Attendance had been falling, the membership was, like in many farm-based groups of the time, aging, and the small core of organizers were by their own admission starting to feel a bit burned out.

Flash forward to last week in Portage la Prairie, where the organization convened its 30th annual conference, and the change was unmistakable.

While many of the organization's mainstays were still in attendance, they'd been joined by a cohort of young farm women, eager to learn, network and connect.

"It's just wonderful to see," said event chair Ann Mandziuk. "You look around and there's a lot of young faces here and I'm so happy to see that."

The themes of the conference this year were financial literacy and gender equality.

Trailblazer

Few would be better suited to talking about both than keynote speaker Brenda Schoepp, a cattle producer from Rimbey, Alta, just northwest of Red Deer. She owned her first farm operation at 18, managed her first cattle herd at 19 and now mentors young farmers and ranchers of both genders, and has recently completed a Nuffield Scholarship.

"Often I was the first and only woman in the room," she said.

When she was trying to start her career back in the 1970s and early 1980s, it was hard for a woman to be taken seriously, both at the local coffee shop and in the local banker's office. She related one tale from early in her career when she'd only been in business a few years and thought she was doing well, making a bit more money every year and making every payment on her loan down at the bank.

"A new branch manager came in and I got a call and was told they were calling my loan," Schoepp said. "I asked why and she said, 'Because you're a woman and you're not educated and you will fail.'"

As a measure of how much times have changed, Schoepp



Alberta cattle producer and agricultural mentor Brenda Schoepp says women have come a long way in agriculture since her early days. PHOTOS: GORD GILMOUR

now sits on the board of directors for Farm Credit Canada, the largest agricultural lender in the country.

That doesn't mean things are perfect however, as women can still struggle to be taken seriously, especially in emerging economies. A large part of Schoepp's international studies under the Nuffield program focused on this. She said there are some systemic issues that need to be worked out, and some things women can take into their own hands. For example, she says women often undersell themselves, lenders have told her.

"Women don't ask for enough," Schoepp said. "They ask for only what they need, the loan amounts are too small and lenders say, 'They're not worth our time.'"

The solution, Schoepp said, is to think bigger and ask for more.

Lenders also say women entrepreneurs also need to develop better business plans to make the case for their loans.

Young guns

Women still face challenges in agriculture today, according to one young woman who was part of a panel discussion.

Chelsea Boonstra grew up on a dairy operation near Meadows, Man. and earned an agriculture diploma from the University of Manitoba. Today she still works on the farm and has an off-farm job as a sales agronomist.

"I think for women in agriculture, often we're seen by the guys as being at the bottom of the ladder," Boonstra said. "But the truth is we rock and

"You look around and there's a lot of young faces here and I'm so happy to see that."

ANN MANDZIUK
MFWC event chair

we're rocking this industry. Let me go out there and show you what I'm capable of."

Boonstra's conviction is backed up by the numbers, as more and more women study agriculture. Since the late 1990s women have been the solid majority in the agriculture schools and colleges in all three Prairie provinces, including Manitoba, according to media reports from the time. In recent years that trend has only accelerated.

One way young women are changing the industry is their willingness to engage in advocacy work, especially through online channels. Boonstra posted a video on her Facebook page that showed her family's farm and her conviction caught the eye of a producer of an agriculture podcast, who invited her to become a regular contributor. It's taken her in surprising directions, she said, but added she continues to think speaking up for the industry is the right thing, and encourages others to join the conversation.

"Social media is your best friend, Facebook is probably the easiest way," she said. "But it can also be your worst enemy."



Manitoba Farm Women's Conference chair Ann Mandziuk is very happy to see young faces at the annual meeting.



Chelsea Boonstra says social media is giving young women in agriculture like her a voice.

Boonstra said she's found a lot of people have a real interest in the business and just need a way to find out more.

"Virtual farm tours are an awesome way to show off our way of life," she said. "You really can put up one video and have it be viewed millions of times."

Ongoing effort

Organizer Mandziuk says the group has consciously tried to present topics that will be of interest to younger farm women and so far that strategy seems to have worked. She also noted that the Manitoba Agricultural Services Corporation's Bridging Generations Initiative that rewarded farm management credits with reduced mortgage payments helped drive interest because a number of the events on the program for

the past couple of years have qualified.

"I like to say that we've got them in the door with the education credits, but we've hooked them with the conference," she said with a chuckle, noting that many of the young attendees are now on their second or even third conference.

Program co-ordinator Sandi Knight confirmed that the effort was paying off, and noted that the rejuvenation also coincides with the recent influx of younger farmers when the economics of farm production improved a few years back.

"I think most groups like this can be cyclical, and we're at the point in the cycle where we're attracting a lot of new participants," Knight said.

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Prairie fare



Try an unusual fruit this season

Don't just stick with apples and oranges, be adventurous with the food you buy

BY JULIE GARDEN-ROBINSON
NDSU Extension Service



What is that thing?" my husband asked, as he pointed at something in the produce aisle.

"I have no idea," I said as I walked slowly toward the bin of fruits. I reached out timidly to examine the bright-pink globular thing with green spines protruding from the sides and top. I was ready to pull my hand back quickly, in case this thing had teeth and claws.

"It looks weird. It must be good for you," he noted.

"Yes, a weird appearance is always the test of good nutrition," I said with a grin and glance in his direction.

"It's a dragon fruit imported from Vietnam," my husband announced as he read the sign. Frankly, this thing looked like it might have been imported from outer space.

I could tell my husband wanted me to put it in the cart. I still was trying to figure out if it was edible. I put it in a plastic bag and added it to our cart next to a couple of pomegranates.

When we arrived at the checkout stand, the checker looked at the curiosity we pulled out of our cart.

"What is that?" he asked.

We told him and he began trying to find "dragon fruit" in the computer.

"It's also called a pitaya," my husband said as he looked up from doing research on his phone. Our checker couldn't find that word in his database, either.

Our checker asked for help from a neighbouring checker. She opened her reference book of produce and could not find anything that resembled our "fuchsia-coloured spiny wonder fruit." It looked a little like a tie-dyed artichoke.

By now, we were holding up a line of people with heaping grocery carts. Yes, we were "those people." I wanted to slip on a floppy hat and dark glasses and hide behind a post, if I could find one. My husband was mouthing, "We're sorry!" to the people in line.

The checker finally decided on a random price based on weight. I think he wanted us out of his line with our strange food selections.

For dinner that night, I rinsed the dragon fruit in cool water, put it on a cutting board and got out a sharp knife. I was ready to fillet this thing. When I cut the dragon fruit open, I



Try an unusual fruit, such as dragon fruit. It's bright pink with green spines on the outside and white with tiny black seeds inside. PHOTO: NDSU/MORGUEFILE

exclaimed to our daughters, "Look at this!" No, it didn't have bones.

It had a white interior with an abundance of tiny black seeds. This was inexpensive entertainment.

The flavour was very bland and reminded me of kiwifruit or a melon. I learned that a pitaya is high in antioxidants and vitamin C, and the seeds provide omega-3 fats. I'd buy it again.

Be a little adventuresome with the food you buy. At this time of the year, pomegranates also are available. They are about baseball to softball sized and pinkish red.

I was just as surprised to crack open a pomegranate the first time as I was to open a dragon fruit. Pomegranates are juicy fruits filled with seeds surrounded by red or pinkish covers called arils. The seeds are nestled in a honeycomb-like membrane that you do not eat.

Pomegranate seeds resemble small jewels, and they make tasty additions to salads or desserts. At 72 calories per half-cup, pomegranate seeds provide potassium, vitamin C, folate and other vitamins and minerals.

Pomegranates have been cultivated for thousands of years in the Mediterranean region and were brought to the Americas by Spanish missionaries. Pomegranates were valued as a portable source of fluid for early

explorers. They are available in the late fall and early winter. California, Arizona and parts of Texas are among the states that can grow pomegranates.

The next time you see an unusual fruit or vegetable at the store, give one a try. You might be pleasantly surprised. Here's some information from Oklahoma Extension about how to seed a pomegranate. Be aware that the abundant juice from pomegranates can stain your clothing. Wear a dark-coloured apron and not a white shirt.

Cut the crown (protruding blossom end) off the pomegranate, removing with it some of the pale-yellow pith. Take care not to pierce the seeds within.

Lightly cut through the skin from stem to crown end to divide the fruit in fourths.

Immerse the scored fruit in a large bowl of cool water and soak for five minutes.

Holding the fruit under water, break sections apart with your fingers, separating the seeds from the membrane. The seeds will sink to the bottom of the bowl.

Discard skin and membranes. Drain the seeds and dry on paper towels.

This green and red salsa recipe may earn you the "most novel recipe" award at a holiday party this season. It is adapted from Simply Recipes (http://www.simplyrecipes.com/recipes/kiwi_salsa/).



PHOTO: THINKSTOCK

Pomegranate and Kiwi Salsa

- 3 ripe kiwifruit, peeled and chopped
- 1/4 c. pomegranate seeds
- 1/2 avocado, peeled and chopped
- 1 tbsp. green onion, thinly sliced
- 1 to 3 tsp. fresh jalapeno, chopped (to taste)
- 1 tbsp. fresh cilantro, finely chopped
- 1 tsp. olive oil (or other salad oil)
- Salt and pepper (if desired)

Rinse, then prepare ingredients as noted. Place the ingredients (except peppers) and oil in a bowl and toss. Gently fold in 1 teaspoon of chopped pepper to your desired level of heat. Add salt and pepper if desired. Serve with tortilla chips.

Makes six servings. Without added salt, each serving has 60 calories, 3.5 grams (g) fat, less than 1 g protein, 8 g carbohydrate, 2 g fibre and 0 milligrams sodium.

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

COUNTRY CROSSROADS

Get ready for winter bird feeding

Different types of feeders and what you put in them will attract different species

BY DONNA GAMACHE

Freelance contributor

It's that time of year again — time to get out the bird feeders, mix up a batch of suet and seeds, and prepare to spend some time watching the hardy winter birds enjoying a feast in your backyard. We may not look forward to the cold weather and snow, but there are some perks of the season, and feeding our overwintering birds is one of them.

First, consider what species you want to attract. The best type of feed to attract a variety of birds is black oil sunflower seeds. These are a favourite of chickadees, nuthatches, blue jays, and purple and house finches, and are available at most pet stores, many department stores, or from a sunflower-growing farmer. Less common species such as crossbills, pine grosbeaks and evening grosbeaks are also sunflower fans. (Don't buy the large confectionery sunflower seeds; these aren't good for most birds.)

Black niger seed is a favourite of goldfinches, common redpolls and pine siskins. (Goldfinches sometimes overwinter in Manitoba, but you may not recognize them in their winter plumage; they are not the bright yellow and black



Suet will attract some types of birds like this pileated woodpecker. GAMACHE PHOTOS

of summer but a nondescript beige or olive green, with black wings and white wing bars.) Niger seed is usually available at pet stores; however, it has become very costly the last few years, causing some stores to stop bringing it in. A cheaper alternative might be crushed-up "sunflower minis."

Other types of seeds can also be offered, such as safflower and white millet. However, I recommend you avoid buying the cheaper bags labelled "Wild Birdseed" as they often contain a lot of waste seeds of barley, wheat and milo, and will also tend to attract English (house) sparrows in greater numbers. It is better to buy specific kinds of seed, instead of the mixed one.

Suet will attract nuthatches and downy and hairy woodpeckers. My husband and I usually offer a suet mixture (melt suet with a little peanut butter, add sunflower seeds, ground-up peanuts, a little cornmeal and oatmeal). Shape the mixture into blocks and hang in a suet cage (or, let mixture cool and partially harden and spoon onto a log with holes or grooves in it). Commercial suet blocks can also be purchased. For the last two winters, we've even had a pair of pileated woodpeckers come to our suet.

If you want a variety of birds, you should consider a variety of feeder types. Platform feeders are good, preferably with a roof to keep off snow. Blocks



Other birds will be attracted by a sunflower head, like this chickadee.

of suet, suet logs, tube feeders and thistle socks are all useful. Or, for a cheap alternative, recycle a two- or four-litre plastic bottle. Corncobs — attractive to blue jays — and sunflower heads — for many types — can sometimes be gleaned from a harvested field before the snow covers them.

A protective cover over part of your feeding area will also be a welcome addition, especially to ground-feeding birds such as juncos and sparrows. We create a sheltered area with old plywood sheets, which makes it easier to feed these species, especially on snowy days. If your feeders attract squirrels, and you don't want them, install a baffle on pole feeders to keep them away.

Another attraction for birds is water, and a few years ago we purchased a heated birdbath. It's not used much for bathing in winter, but the birds appear to welcome the chance to drink water even on the coldest days. This may be partly because their winter diets tend to be drier than in summer.

We like to try at least one new attraction for the birds each winter. This year our new purchase is a whole peanut wreath feeder and the blue jays love it. If you have someone on your Christmas list who is a birder, consider giving them a new feeder, a heated birdbath or even a bag of black oil sunflower seeds!

Donna Gamache writes from MacGregor, Manitoba

Growing basil indoors

If you have a sunny windowsill or a light garden you can enjoy the taste of fresh basil all winter

BY ALBERT PARSONS

Freelance contributor

Winter in Manitoba is long and cold; if ever there is a time for comfort food, this is it! I doubt that bruschetta qualifies as a comfort food for many, but in our house it sure does; it is a favourite lunch eaten with a bowl of hearty homemade soup. One of the basic ingredients of the tomato/basil/cheese bruschetta that we make is fresh basil, so I like to have a couple of pots of it on the sun-room windowsill.

If you have a light garden or a sunny south windowsill you can successfully grow pots of basil for use in your kitchen. This plant likes lots of light and heat so a light garden is perfect. If you grow it on a south windowsill, be sure to place it in a warmer location at night; it is apt to get chilled on the windowsill on a cold night. It wouldn't hurt to put a piece of insulating material, such as a Styrofoam meat tray, between the window and the pot even during the day just to keep the planting medium from getting too cold.



The leaves on this basil plant are an inviting dark green — perfect for bruschetta. PHOTOS: ALBERT PARSONS



For variety, grow a pot of purple basil; add it to green salads to add colour contrast and tangy flavour.

To plant a pot or two of basil, simply get a clean container or two. If you use containers without drainage holes you won't have to use saucers to catch excess water. On the other hand, if there are no drainage holes, you will have to be very careful about how you water so that the planting medium does not get saturated. Scatter about a dozen seeds on the surface of dampened soilless mix and then cover them with about a centimetre of the same mate-

rial. Germinate the seeds in a warm location, such as on top of the fridge if you don't have a light garden. Within two weeks you will have tiny plants appearing. Give them plenty of light and keep the soil just moist — too much moisture may lead to the development of disease.

As the plants grow, determine how many mature plants the container will be able to hold. Thin the plants accordingly — the extras can be transplanted

The pots of basil will last for several months; new growth will keep emerging from the stems and you will be able to harvest succulent stems of basil all winter.

into additional containers for a friend or donation to a charity, such as your local thrift store. Wait until the extra plants are large enough to be of some use in the kitchen before you remove them from the pot and then you will have your first taste of fresh basil. Half a dozen plants are about right for a six- to eight-inch pot.

Begin to water with soluble 20-20-20 fertilizer in the water every week. Soilless mix contains few nutrients so the plants will have to be fed regularly. You want the plants to be a healthy dark-green colour. As they get taller, you may have to put a

bamboo (or other) stake in the centre of the container and loosely attach the plants to it so that they do not lean over too far or fall over completely. To prevent the plants from getting too top heavy, always harvest the tops and don't be afraid to cut the plants back; new growth will soon appear at the leaf axils below where the tops were cut off.

The pots of basil will last for several months; new growth will keep emerging from the stems and you will be able to harvest succulent stems of basil all winter. If you think the plants are beginning to flag and they look bedraggled and on the decline, seed another pot or two to replace them. By the time the original plants are at an end, the new ones will come into production and provide you with more tasty basil for use in your kitchen. Growing basil on the windowsill or in a light garden is easy, gives you some gardening to do in the middle of our long winter, and will supply you with all the basil you need for your bruschetta — made with your very own fresh basil.

Albert Parsons writes from Minnedosa, Manitoba

Former Strathclair resident shares memories

Jim Holmes talks about his father coming home from war to farm

BY DARRELL NESBITT

Freelance contributor

A former resident shared his story to cap off a day of remembrance in Strathclair last month.

As a son of a Second World War veteran, Jim Holmes told how the war years were a tough time for the young men who went overseas, but it was also a difficult time for the family back home.

Holmes told how the war affected his family and how he and his younger brother Al travelled to Europe in 2013, visiting Juno Beach and the location of the Stalags, where their father was held.

"This is not a special story. In most respects it is no different than the stories of many young men from the Prairies who went to war in the early 1940s. Some never came home, some came home with British war brides, and some, like our dad, came home to their families."

Information put forth by family in the Royal Canadian Legion – Manitoba and Northwestern Ontario Command's Military Service Recognition Book (Volume 7) says:

"Frank Holmes was born in Ochre River, Man. in 1914. He enlisted in the army and served in Canada, England, France and Germany during the Second World War. Frank volunteered in 1941 and went into France on D-Day as a corporal with B Company of the Royal Winnipeg Rifles. They took heavy machine gun fire on the beach and only 27 out of 186 men in B Company could continue at the end of the



Jim Holmes shares memories about his father coming home from war. PHOTO: DARRELL NESBITT

day. After they moved in under a machine gun in a concrete bunker, Frank was boosted up to toss grenades into the bunker and stop the machine gun. The survivors at the beach advanced with another company but were surrounded and captured on the third day. Frank was a prisoner in Stalag 12A at Linberg before being moved to Stalag 357 at Bad Fallingbostal, north of Hanover. That camp was liberated by a British outfit in the spring of 1945. After the war, he farmed near Strathclair until he suffered the first of a series of heart attacks in 1958. Later, he was a commissionaire at Rivers, Man. and at Calgary, Alta. He was a

member of the Strathclair Legion Branch for about 20 years. Frank passed away at the Regina General Hospital in 1997."

Farm days

"Our mother, Jessie, was born in Ontario. When she was six, her mother packed what she could carry, left her husband (we assume he was either abusive or a drunk) and brought her daughter to Manitoba," said Holmes. "Responding to an advertisement by two brothers, Abraham and Bill Baldrow, they came to the farm, situated about 6-1/2 miles from Strathclair. Bill, a cattle buyer, died shortly after their arrival.

Meeting Frank when he came to work for Abe on the farm, Frank and Jessie Holmes lived in a small rented house in Strathclair after they were married. After Frank enlisted, Jessie and their five kids went to live on the farm with Abe and grandmother Mary.

Approximately at the same time (May 1945) when a telegram was received by Holmes' mother, saying that Frank, previously reported Prisoner of War Germany was safe in the United Kingdom, Abe Baldrow decided to retire and sell the farm. The Canadian government had passed the Veterans Land Act (VLA), buying up farmland for

The Canadian government had passed the Veterans Land Act (VLA), buying up farmland for the men returning from the war.

the men returning from the war. Baldrow sold his farm to VLA on the condition that it would be available to Frank when he got home.

"Upon arriving home, I would not have remembered what my dad looked like, were it not for the picture that stood on the piano at the farm."

Frank was thankful for the farming opportunity after the war, but was disappointed with the fact that the Aboriginal men who returned had to go back on the reservations. "He said they were good soldiers and when they got back to Canada, they weren't even allowed to go into a pub and have a beer with their buddies."

Jim, who now lives in the Fort Qu'Appelle region of Saskatchewan, said his father didn't talk about the war much, but he has had many conversations with other veterans and close Strathclair neighbours on the farm since that day of remembrance.

Darrell Nesbitt writes from Shoal Lake, Manitoba



This Old Elevator

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

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

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

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

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

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

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

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

Goldsborough is especially interested in determining when elevators were demolished. Readers with photos of elevator demolitions and dates of when these occurred can contact him directly at gordon@mhs.mb.ca or call 204-782-8829.



At the time of this 1962 photo, Brunkild had three grain elevators, one operated by United Grain Growers and two by Manitoba Pool (A at left, B in the middle). The UGG agent was G. A. Angus while the Pools were managed by Gene Ferens (A) and Joseph Storey (B). Only the Pool A elevator survives today, in use by BESCO Grain. PHOTO: UGG PHOTO COLLECTION, UNIVERSITY OF MANITOBA ARCHIVES

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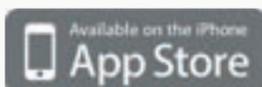
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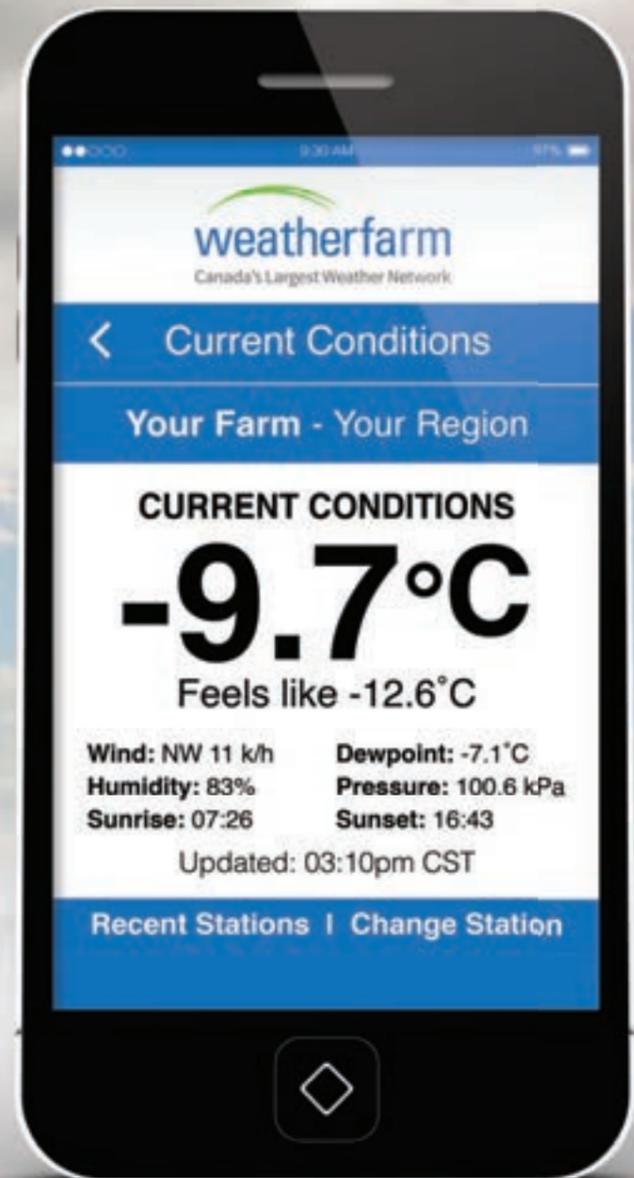
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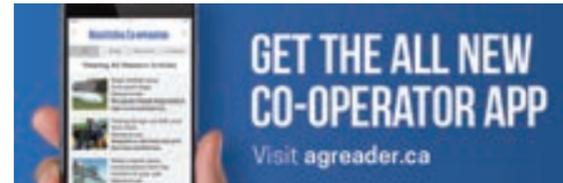
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The whole value chain is needed to build consumer trust

Communications expert Kim McConnell says farmers shouldn't shy away from controversial topics when it comes to having conversations with consumers

BY JENNIFER PAIGE

Co-operator staff / Brandon

When it comes to building public trust, the message needs to come from every player in the agriculture and food value chain.

"Every part of the value chain has a role to play. We need a coordinated approach when it comes to building trust with consumers because fragmentation reduces our strength, reduces our efficiency and reduces our effectiveness," said Kim McConnell, founder and former CEO of AdFarm, one of the largest agricultural marketing communications firms in North America.

McConnell spoke to attendees at the Canadian Forage and Grassland Association's (CFGFA) national conference, held in Winnipeg on November 14 and 15, about how agriculture needs to develop better communication with the public in order to build trust in the industry and its products.

"We have a challenge here in front of us. Less than one per cent of North America's population is on the farm. They don't know us and we don't know them," McConnell said. "Consumers think big is evil and technology is scary."

So, where do you start when trying to do your part in building consumer trust? According to McConnell, start at home with continuing what you do on your operations every day, have conversations with family and friends and get involved in your value chain.

"Getting involved in your value chains, as farmers, as industry players and as an association is vital. Then we need to tell our story. We need to learn from other industries, like forestry, that have been investing in public trust. What was their advice to us? To take this seriously, work as a whole and start now, before it's too late."

He says it is important industry members have a trusted assurance system in place that can demonstrate operational procedures and then communicate that to the consumer.

"If we don't tell anyone about the good things we are doing, it won't make any difference. We need to have a communication program that supports us and we must do all of this on a foundation of transparency," McConnell said.

When it comes to communicating what you are doing on your operation, McConnell suggests being as honest as you can be, talk about what you know and don't shy away from controversial issues because in most cases, that is the information the public needs to hear the most.



Kim McConnell, founder and former CEO of AdFarm spoke about building public trust at the Canadian Forage and Grassland Association's national conference held on November 14 and 15 in Winnipeg. PHOTO: JENNIFER PAIGE

"We, in industry, don't always understand the public. Let's remember it's a two-way street here. Communicating is more than just telling the consumer our story. It is also about listening to the consumer and tangibly demonstrating trust building."

KIM MCCONNELL
founder and former CEO of AdFarm

"When we are speaking up about our industry we need to be positive, know who you are really talking to, what their concerns are and be able to address those concerns. Talk about what you know and use your own farm or experiences to provide some easy-to-understand examples with common language, not just ag lingo," McConnell said. "All of us have a way of telling our story. We need to speak up and invite discussions. The fact that you don't know all the answers don't worry about that, say I don't know, let me find the answer. Don't BS, never guess or generalize, that is the only way to truly begin to build trust."

He adds that communicating shouldn't be all about telling the consumer the details of what you are doing on your operation, but more of a conversation around their concerns.

"We, in industry, don't always understand the public. Remember, it's a two-way street here," McConnell said. "Communicating is more than just telling the consumer our story. It is also about listening to the consumer and tangibly demonstrating trust building."

From an association point of view, McConnell says organizations need to make sure their industry partners know all about the sector's story.

"Make sure your colleagues in the value chain understand your story and the contributions that you make. Make sure your story is provided to these amplifier groups that can take your story to the consumer and educate audiences," said McConnell.

Cedric MacLeod, executive director of the CFGFA says better communicating the sector's story is something CFGFA is looking at improving in the future and part of the reason why the organization brought McConnell in to speak at its national event.

"We have a fantastic story to tell, we have heard this throughout the entire conference. What we haven't done is gather up those stories and put them in a cohesive package that the rest of the value chain can pick up and spread through their networks. So, that will be a major focus for us moving forward," MacLeod said.

"It is important for us to be an active part of the value chain and play our role. It is not just one group that is going to lead this charge, it needs to be everyone pulling their weight."

jennifer.paige@fbcpublishing.com

Cattle group urges trade fight if Trump imposes unfair labels

Early indications are the battle over COOL may restart under a Trump administration

BY ROD NICKEL
WINNIPEG / Reuters

Canadian cattle producers will urge Ottawa to retaliate against the United States if the incoming Trump administration imposes a meat-labelling program they view as discriminatory.

U.S. news network CNN reported on Nov. 15 that a memo drafted by president-elect Donald Trump's transition team, which it obtained, said the new administration would immediately initiate changes to the North American Free Trade Agreement (NAFTA) with Canada and Mexico. Those changes could include measures on country-of-origin labelling, CNN reported.

The U.S. country-of-origin labelling (COOL) program required as of 2009 that retail outlets label food according to its origin. Canada and Mexico argued that COOL, repealed in December, led to fewer of their cattle and pigs being slaughtered in the United States.

"We're watching... and if we think it discriminates against our cattle, our recommendation is going to be that tariffs go into place immediately" on U.S. products, said John Masswohl, director of government and international relations for the Canadian Cattlemen's Association, which represents Canada's 68,500 beef farms and feedlots.

The World Trade Organization last year authorized Canada



The U.S. government now seems ready to reopen the six-year-long COOL debate. PHOTO: THINKSTOCK

to retaliate against the United States over COOL, setting the annual level at \$1.055 billion (US\$786.78 million). The previous Canadian Conservative government listed in 2013 three dozen U.S. product categories

that could be subject to a 100 per cent surtax, including pork, beef, cherries, appliance parts, chocolate, wine and office furniture, but none were imposed.

Alex Lawrence, spokesman for Canadian Trade Minister

"If we think it discriminates against our cattle, our recommendation is going to be that tariffs go into place immediately."

JOHN MASSWOHL
Canadian Cattlemen's Association

Chrystia Freeland, would not say if Canada is inclined to retaliate, adding that Ottawa looks forward "to working very closely with the new administration and with the United States Congress, including on trade and investment."

Until it's clear how Trump might approach COOL, no action is necessary, Masswohl said.

"I don't go around chasing ghosts," Masswohl said. "If anything starts to become real, we'll know well in advance."

The Canadian Pork Council, which represents the country's hog farmers, is taking a wait-and-see approach until it knows what changes, if any, the next U.S. government will make, said executive director John Ross.

The organizing committee of the 2016 Manitoba Farm Women's Conference would like to thank the following sponsors for their generous and valued support, which greatly contributed towards the success of this year's conference

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Bovine TB strain of Mexican origin in Alberta probe

Federal quarantines now cover 36 farms

STAFF

While new to Canada, the strain of tuberculosis bacteria which infected the Alberta cow at the centre of a bovine TB probe has been seen before in Mexico.

The Canadian Food Inspection Agency on Nov. 16 reported the strain of Mycobacterium bovis found in a southeastern Alberta cow is "closely related" to a strain originating from cattle in central Mexico in 1997.

The M. bovis pathogen from the infected cow is not the same as any strains detected in Canadian domestic animals, wildlife or people to date, CFIA said.

Removal and "humane destruction" of animals from the Alberta cow's index herd continues, as does on-farm testing and tracing of potentially exposed animals, the agency said in a statement.

As of Nov. 16, federal quarantines are in place on "approximately" 34 farms in Alberta and two in southwestern Saskatchewan, CFIA said.

In Alberta, CFIA veterinarians and inspectors are contacting cattle producers in Newell County, around

In Saskatchewan, cattle producers are being contacted in an area west of Highway 4 and south of the South Saskatchewan River.

Brooks; the part of Cypress County north of Medicine Hat; the Municipal District of Acadia; and Special Areas No. 2 and No. 3, north of those municipalities.

In Saskatchewan, producers are being contacted in an area west of Highway 4 and south of the South Saskatchewan River.

A federally reportable livestock disease, bovine TB has been subject to a mandatory nationwide eradication program since 1923.

Canada is still considered officially free of bovine TB and would lose that status only if another separate Canadian case is confirmed within 48 months. Other TB-positive animals found in connection to the current probe would not be considered a separate case.

Canada's most recent previ-

ous case of bovine TB turned up in a British Columbia beef cattle herd in May 2011.

Surveillance programs are also carried out in areas where livestock have been previously infected. Manitoba, where the disease is still found in wild deer and elk in and around Riding Mountain National Park, south of Dauphin, has been officially bovine TB free since 2006.

The disease mainly affects ruminants, such as cattle, bison, elk, deer, goats and sheep, but can affect all types of mammals, including people — particularly those who have "extended close contact" with an infected animal while it's alive.

Due to its "extremely low prevalence" in Canada, however, findings of bovine TB aren't considered a public health threat.

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Processor-producer spat back in the open

Ingredient pricing disagreement wasn't causing any sparks in recent times but it was always in the background

BY ALEX BINKLEY
Co-operator contributor

Food processors and supply-managed farmers are upset with each other again, over border controls for ingredients.

Consultations launched by Agriculture Minister Lawrence MacAulay on contentious agri-food border issues brought the old dispute back into public view.

The minister said the consultations will examine potential changes to the Duties Relief and the Import for Re-Export programs. As well, the federal government is looking for ways to improve inventory reporting to better track the level of imports.

Chicken Farmers of Canada has pressed the government to more strictly monitor imports of broiler meat deliberately mislabelled as spent fowl, while Dairy Farmers of Canada is concerned

about shipments of diafiltered milk, produced in the U.S., to circumvent Canadian limits on milk imports.

However, Food Processors of Canada says those problems are a matter of border enforcement not the operation of the duties program. It says the issue that needs to be dealt with is the failure of the farm groups to provide processors with ingredients that will enable them to be internationally competitive. It has been voicing this complaint for years.

"Manufacturers would rather buy Canadian dairy and poultry, but producers are uninterested in supporting our export ambitions," says the letter signed by FPC president Christopher Kyte. The duties program "allows all manufacturers to purchase inputs at the lowest possible prices and to export finished products at the best prices."

CFC chairman David Janzen says, "Our farmers and proces-

sors have been afflicted by leakages in the market that have been occurring for many years now, meaning they face uncertainty in their own production, and consumers face uncertainty in the safety of their food. We are hopeful that a meaningful consultation process will result in changes benefiting the chicken sector in Canada."

DFC spokeswoman Isabelle Bouchard said her organization is "encouraged to see movement on this file and will participate in the consultation."

MacAulay has promised action on the issue for months. No timeline was attached to the consultations, but they're expected to continue into the new year.

While proclaiming the government's strong support for supply management, MacAulay announced the government wants to address the concerns of import predictability and effective border controls for

supply-managed commodities. It also wants to ensure that Canadian processors that use dairy and poultry inputs can remain competitive in export markets.

The Duties Relief Program enables qualified companies to import goods without paying duties, as long as they later export the goods. Earlier this year, Canada Border Services Agency verifications found that five participants in the Duties Relief Program were passing off spent fowl as chicken broiler meat and suspended their import permits.

MacAulay says he hopes the consultations will "result in a timely implementation of better rules to stop the distortions into the Canadian chicken market created by inappropriate program duplication and design, and circumvention of tariff classifications."

Chicken Farmers says the duties program administered by

the Canadian Border Services Agency "was not designed for agriculture goods and does not provide adequate safeguards to address the potential for diversion into the domestic market that is presented when chicken is imported into Canada for further processing and subsequent re-export."

As well, Global Affairs Canada's Import to Re-Export Program was created specifically for agricultural goods and has adequate verification and safeguard processes, CFC says.

However, Kyte says Global Affairs "does not do a good job of supporting food companies building sustainable export businesses." Manufacturers won't hold to poultry or dairy ingredients for four years because of cost and product deterioration. "They are not diverting premium products into the Canadian marketplace. Smuggling is not their business model."

Smithfield Foods to buy Farmer John from Hormel

Meat brands have about US\$500 million in annual sales

REUTERS

Smithfield Foods says it will buy parent of the Farmer John and Saag's Specialty Meats brands, and farm operations in three U.S. states from Hormel Foods Corp. for US\$145 million in cash.

Smithfield will buy Clougherty Packing as well as hog farm operations under PFFJ, or Pigs for Farmer John, in California, Arizona and Wyoming, expanding its supply chain in the United States.

The businesses being acquired contributed about US\$500 million in sales and about three cents per share in earnings to Hormel in fiscal 2016.

Smithfield, bought by WH Group Ltd. in 2013 for \$4.7 billion, is the world's largest pork processor and hog producer.

"While the businesses have performed well, they no longer align with our company's growth strategies," Hormel chief executive Jim Snee said in a statement.

Hormel said Farmer John harvests about 7,400 hogs per day.

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Kerry warns of climate threat at talks overshadowed by Trump

U.S. secretary of state says president-elect Trump may see things differently as he transitions from campaign trail to Oval Office



U.S. Secretary of State John Kerry says the need to act on climate change is urgent.
PHOTO: CREATIVE COMMONS/KENNETH C. ZIRKEL

BY YEGANEH TORBATI AND NINA CHESTNEY
MARRAKESH, Morocco / Reuters

U.S. Secretary of State John Kerry had hoped his presence at a Marrakesh conference to decide on the finer points of a historic agreement to stave off climate change would be a victory lap.

Instead, he found himself having to address the uncertainty created by the election of Donald Trump, and what his presidency might mean for the U.S. commitment to the 2015 Paris Agreement to cut global greenhouse gas emissions.

In a speech on Nov. 16, Kerry urged countries to treat the earth's changing climate as an urgent threat, citing melting

glaciers, stronger storms, and record-breaking droughts.

"While I can't stand here and speculate about what policies our president-elect will pursue, I will tell you this: In the time that I have spent in public life, one of the things I've learned is that some issues look a little bit different when you're actually in office compared to when you're on the campaign trail," he said.

Trump has called climate change a hoax, and said he would rip up the Paris deal, halt any U.S. taxpayer funds for UN global warming programs, and revive the U.S. coal sector.

If he follows through on his promises, he would undo the legacy of President Barack Obama, who has made climate change a policy priority and called the rising temperatures and other fallout from climate change "terrifying."

Kerry spoke of his trip last week to Antarctica, where he met scientists alarmed at the trends.

'Critical juncture'

"For those in power in all parts of the world, including my own, who may be confronted with decisions about which road to take at this critical juncture, I ask you, on behalf of billions of people around the world: Don't take my word for it... I ask you to see for yourselves."

The Paris accord won backing from enough countries to enter into force on Nov. 4, four days before the U.S. election, and the conference in Morocco was in part a celebration of that landmark.

The United States worked closely with China last year to build support for the Paris Agreement, and the partnership of the two biggest greenhouse gas emitters helped persuade other countries to back the agreement.

The agreement seeks to phase out net greenhouse gas emissions by the second half of the century and limit global warming to "well below" 2 C (3.6 F) above pre-industrial times.

For now, the United States is proceeding as usual. The White House presented a plan in Marrakesh, in the works long before Trump's victory, for a "deep decarbonization" of the U.S. economy by 2050 that foresees an 80 per cent cut in emissions from 2005 levels.

Without mentioning Trump, the 111-page plan said it was "achievable, consistent with the long-term goals of the Paris Agreement, and an acceleration of existing market trends" that would "require increasingly ambitious decarbonization policies."

But Trump's election raises the prospect of the United States not fulfilling its commitments and has raised doubts among delegates in Marrakesh about whether Washington will still be a partner in the agreement come mid-century.

U.S. essential

China, the biggest greenhouse gas emitter, ahead of the United States, said it would push ahead with its promises to limit climate change and urged Trump to reconsider.

"As the largest developed economy in the world, U.S. support is essential. We have to expect they will take a smart and wise decision," Liu Zhenmin of the Chinese delegation told a news conference in Marrakesh.

In his speech, Kerry emphasized the dangers of inaction.

"2016 is going to be the warmest year of all. Every month so far has broken a record," he said.

"At some point, even the strongest skeptic has to acknowledge that something disturbing is happening."

It is unclear what Trump will do on climate policy. On other issues, he has made contradictory statements and has said unpredictability is an asset in international negotiations.

Trump denied during a debate with his election rival Hillary Clinton that he had called climate change a hoax perpetrated by the Chinese, but in speeches and on Twitter he has repeatedly called it a hoax.

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AUCTION SALES 0900

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TRAILERS

GRAIN TRAILERS 1505

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

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GRASSLAND TRAILERS QUALITY PRODUCTS AT WHOLESALE PRICES. 20' steel stock, starting at \$13,550 up to 8' width available; 25' Duralite alum. at \$25,250; Krogerman bale bed at \$11,000. Glen 306-640-8034, 306-266-2016, Wood Mountain, SK. or email gm93@sasktel.net

2007 GMC 2500 Duramax, extended cab, shortbox, 4x4, 164,000 kms. 2nd owner, very nice condition, \$22,000 + GST. Call Larry 306-221-4563, Perdue, SK.

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14' TANDEM UTILITY flatdeck w/ramps, 12,000 lbs. GVW, new safety, \$3750 OBO. 204-794-5979, Springfield, MB.

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1997 LODE-KING 48' Hi-boy flat deck, alum. combo, air ride, 12 winches on each side, \$6000. 204-362-1091, Winkler, MB.

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TRI-AXLE LOW BED, 50 ton, Beaver tail, flip neck, 2 pins, 9' wide, flip outs, new safety, \$24,000. 306-940-6835, Sask.

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

TRUCKS

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2015 FORD F150, Platinum, crew 4x4, EcoBoost, all options, don't miss out! 306-525-6700, Auto Gallery Subaru, Regina SK. www.autogallery.com DL #917632.

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FOUR WHEEL DRIVE 1670

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2006 CHEV 2500 Duramax, 4 door, 4x4, 196,500 kms, exc. cond., asking \$21,000. 306-338-2841, 306-327-7959, Wadena SK

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GRAIN TRUCKS 1675

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1998 KENWORTH T800, new grain box, Detroit engine, 60 Series, 10 spd. trans., \$48,000. 204-325-5677, Winkler, MB.

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.

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2002 IH 2600 w/IH 320 HP eng., 10 spd., 221,000 kms., new 20" BH&T, excellent rubber, very good, \$49,500; **2009 MACK CH613**, MP8 Mack eng., 430 HP 10 spd., AutoShift, 463,000 kms., excellent shape, new 20" box, A/T/C, \$73,500; **2009 IH TRANSTAR 8600** w/Cummins eng 10 spd., AutoShift, new 20" BH&T, 742,000 kms., exc tires, real good shape, \$69,500; **2007 IH 9200**, ISX Cummins, 430 HP AutoShift, alum. wheels, new 20" BH&T, fully loaded, 1 million kms., real nice, \$67,500; **2009 MACK CH613**, 430 HP Mack, 10 spd., AutoShift, new 20" BH&T, alum. wheels, 1.4 million kms., has bearing roll done, nice shape, \$69,500; **2007 KENWORTH T600**, C13 Cat, 425 HP 13 spd., AutoShift, new 20" BH&T, alum. wheels, new paint, 1.0 million kms. Excellent truck, \$71,500; **1996 MIDLAND 24'** tandem pup grain trailer, stiff pole, completely rebuilt, new paint and brakes, excellent shape, \$18,500; **1985 FORD L9000**, Cummins, 10 spd., 20" BH&T that's been totally rebuilt, new paint, exc tires, \$28,500; **1999 IH 4700 S/A w/17"** steel flat deck, 230,000 kms., 1H diesel, 10 spd., good tires, \$19,500; **1998 FREIGHTLINER** tractor, C60 Detroit, 430 HP 13 spd., alum. wheels, sleeper, good rubber, \$17,500; **2005 IH 9200 tractor**, ISX Cummins, 430 HP, 13 spd., alum wheels, flat top sleeper, good rubber, \$22,500. All trucks Sask safetied. Trades considered. All reasonable offers considered. Contact Merv at 306-276-7518 (house) or 306-767-2616 (cell), Arborfield, SK. DL #906768.

2009 MACK, 460 HP AutoShift trans., new BH&T, real nice shape, \$71,500; **2007 Kenworth**, C13 425 HP Cat, AutoShift trans., 13 spd., new 20" BH&T, \$71,500; **2002 IHC 1654**, 350 HP IH engine, 10 spd. trans., new 20" BH&T, 220,000 kms, \$49,500; **1990 Kenworth T600**, 450 HP Detroit, 10 spd., alum. front wheels, good tires, pulls good w/1996 36' Cascade 2 hopper grain trailer, nice shape, \$35,000. Trades accepted. Merv at 306-276-7518, 306-767-2616, Arborfield, SK DL #906768

1992 PETERBILT, 425 Cat, 18 spd., 20" BH&T, excellent condition, \$60,000 OBO. 306-561-0210, Davidson, SK.

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2007 IHC 9400, ISX Cummins, 435 HP pre-emission 10 spd., 20" CIM BH&T, safetied, \$47,900; **2006 Kenworth T800 C13** Cat, 13 spd., jakes, lockers, 20" BH&T, safetied, \$34,900. Cudworth, SK., call 306-256-3569, 306-230-4393. DL 917908

2009 FREIGHTLINER, 10 spd., Eaton AutoShift w/clutch, DD15 Detroit w/20" BH&T; **2008 tandem IH 7600**, Cummins, 10 spd., new BH&T; **2004 Pete 330 S/A**, Cat Allison auto. w/new 16" BH&T. Ron Brown Imp. 306-493-9393, DL 905231 www.rbisk.ca

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3- 2007 MACKS, 10 spd. Eaton auto, new 20" CIM B&H, fresh Sask. safeties. Call 306-270-6399, Saskatoon, SK. DL#316542. www.78truxsales.com

2007 WESTERN STAR 4900SA tri-drive, C15 Cat, 550 HP 18 spd., full lockers, new 24" CIM B&H. 306-270-6399, Saskatoon, SK. www.78truxsales.com DL#316542.

GRAVEL TRUCKS
1626

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

1992 W14 VOLVO gravel truck, 15' box, full lockers, tandem, 375 HP motor, c/w side plow and front plow, asking \$5100 OBO; **1991 FORD F800** w/gravel box, single axle, runs good, asking \$4500 OBO; **1990 F800** w/gravel box, asking \$2700 OBO. Call 204-728-1861, Brandon, MB.

2012 IHC TRANSSTAR, low pro, Max 300 HP diesel Allison auto trans, loaded cab, 13' Armstrong landscape dump, \$39,900. **2007 FORD F550 4x4**, 6L diesel, 7 spd. std., loaded cab, 14' Armstrong landscape dump, 54,000 orig. kms, \$29,900. Trades considered. **K&L Equipment and Auto**. Ladimer, 306-795-7779, Ituna DL#910885

NEW CANUCK GRAVEL TRAILERS: 1999 Arne's tridem end dump, clean; 1996 IH 9400, 60 Detroit, 10 spd, 16' gravel box, alum rims. Ron Brown Imp. 306-493-9393, DL 905231 www.rbisk.ca

SEMI TRUCKS
1627

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2005 IHC 9200 daycab tractor, Cummins ISX 400 HP 13 spd. trans, 40,000 kms, 967,000 kms, needs paint, \$13,900 OBO. **K&L Equipment and Auto**. Ph. Ladimer, 306-795-7779, Ituna, SK. DL #910885.

2005 IHC 9900i 450 ISX Cummins, 13 spd, 290 rears, 12 fronts, eng. and bunk heaters, headache rack, 22.5 rubber, 1.2 kms, \$19,500 OBO. 306-783-7547, Yorkton, SK.

SEMI TRUCKS
1627



2013 PROSTAR IH day cab truck with in-dash GPS, 500 HP Maxx force 18 spd., 46,000 rears, 3.91 ratio, 228" WB, approx. 129,000 kms, 11R22.5 tires, c/w wet kit for only \$65,000. New MB. safety. 204-743-2324, Cypress River, MB.



2010 IH PROSTAR, 500HP Cummins, 18 spd., 46 rears, new drivers, Jake/3-way lockers, fresh safety, \$52,900. Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.



2006 FREIGHTLINER 455 HP Detroit, 10 spd., 400,000 kms, fresh safety, \$24,900. Cam-Don Motors, 306-237-4212, Perdue.

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SPECIALIZED TRUCKS
1680

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2007 CHEV C6500, 2 WD, Duramax dsl., 7 spd. trans, 20' flatdeck w/winch, only 152,000 kms, \$21,900. **2008 Dodge 3500**, 2 WD, Hemi gas engine, auto trans, 16' flatdeck, 178,000 kms, \$16,900 OBO. **2001 STERLING 9500**, tandem water truck, 4500 gal. tank, C12 Cat, 13 spd., Bowie pump, \$22,900; **1998 FREIGHTLINER FL80**, tandem water truck, Allison trans, 3200 gal. water tank w/Honda GX160 pump, 293,000 kms, \$21,900. Trades considered. **K&L Equipment and Auto**. Ph. Ladimer, 306-795-7779, Ituna, SK. DL#910885.

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 w/24' flatdeck, 563,000 kms, 3116 Cat diesel, 10 spd., 11x22.5 tires, real good shape, \$21,500. Call Merv 306-276-7518, 306-767-2616, Arborfield, SK. DL 906768.

2002 INTERNATIONAL 4700 sanitation truck, side load, IH 466, RH/LH drive, air brakes, Haul-All receptacle, \$17,900. www.combineworld.com 1-888-278-4905



2009 FORD F350, 2 WD, V10, auto, air, tilt, 13' deck w/toolboxes, power tailgate, 65,000 kms, \$16,800. Ph. 306-270-5951, Martensville, SK.

SPORT UTILITIES
1682

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2601

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2901

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2902

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3550

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3555

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3560

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3825

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4003

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4005

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4103

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4106

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4112

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4115



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4110

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4121

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4124

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4145

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4151

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4160

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4166

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4178

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4199

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4214

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SMITH'S TRACTOR WRECKING. Huge inventory new and used tractor parts. 1-888-676-4847.

COMB-TRAC SALVAGE. We sell new and used parts for most makes of tractors, combines, balers, mixmills and swathers. Phone 306-997-2209, 1-877-318-2221, Borden, SK. www.comb-tracsalvage.com We buy machinery.

LOEFFELHOLZ TRACTOR AND COMBINE Salvage, Cudworth, SK., 306-256-7107. We sell new, used and remanufactured parts for most farm tractors and combines.

AGRA PARTS PLUS, parting older tractors, tillage, seeding, haying, along w/other Ag equipment. 3 miles NW of Battleford, SK. off #16 Hwy. Ph: 306-445-6769.

TRIPLE B WRECKING, wrecking tractors, combines, cults., drills, swathers, mixmills, etc. We buy equipment. 306-246-4260, 306-441-0655, Richard, SK.

SNOWBLOWERS/ SNOWPLOWS 4226

8' ALLIED 3 PTH snowblower, good cond., \$750. Airflow tailgate for 2009 Ford F150, \$150. Cab for 1946 Dodge truck, offers. 204-522-8938, 204-522-5762, Melita, MB.

SPRAYING EQUIPMENT

SPRAYING VARIOUS
4244

FLOATER TIRES: Factory rims and tires: JD 4930/4940, R4045; 800/55R46 Goodyear tire and rim; 710/60R46 Goodyear LSW; Case 650/65R38 Michelins, \$13,500. Duals available for combines. 306-697-2856, Grenfell, SK.

WANTED: 3 PTH sprayer. Call Glen 306-640-8034, 306-266-2016, Wood Mountain, SK. or email gm93@sasktel.net

TILLAGE/SEEDING

AIR DRILLS
4250

JD 1820, 61' air drill, 10" spacing, Atom Jet paired row boots, 4" pneumatic packers, NH3 Raven controller, sectional, JD 1910 430 cart, var. rate, 3 meters, \$49,000. 306-743-7622, Langenburg, SK.

2010 65' 3310 BOURGAULT Paralink, 12" spacing, mid row shank banding, double shoot, rear hitch, tandem axles, low acres, \$145,000. 2002 49' Morris Maxim air drill, 12" spacing, w/7240 Morris grain cart, \$52,000. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

2002 BOURGAULT 5710 47", 10" spacing, MRB's, Dickey John autorate, c/w 2320 w/3rd tank, seeds 220 acres of canola per fill, \$42,000. 306-873-8301, Tisdale, SK.

1993 FLEXI-COIL 5000, 33", 12" spacing, steel packers, DS, Dutch paired row openers, 1720 TBH tank, \$16,500. 306-739-2442, Moosomin, SK.

AIR SEEDERS
4253

WINTER PROJECT- 2006 Bourgault 6450, double shoot, 3 tank metering, some rust. Special \$42,500. Phone 306-874-2011, Cropper Motors, Naicam, SK.

HARROWS/PACKERS
4256

GANDY AIR SPREAD 5424, fert., grass and chem. spreader, mtd. on 50' Flexi-Coil harrow drawbar, good tine harrows, new hoses and clamps 306-642-5740 Assiniboia SK

50' FLEXI-COIL HARROW packers w/P30 packers; Also, 36" Wilrich vibrashank cultivator w/harrows. Both in good condition. \$4000 OBO. 306-210-8186, Reward, SK.

SEEDING VARIOUS
4259

2010 8370 VR TBT cart, w/third tank, Top-Con monitor, \$72,900. Cam-Don Motors, 306-237-4212, Perdue, SK.

2004 FLEXI-COIL 2340 TBH, very good, \$14,900. Call Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

Syd



I appreciate the free room and board but I can't help feeling you have a hidden agenda.

SEEDING VARIOUS
4259



HEAVY HARROWS YEAR END CLEARANCE! 2016 Morris 70", 26"x9/16" tine; 2014 50' Morris, 26"/9/16" tine, 800 acres, looks like new. Cash finance or lease. Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

We know that farming is enough of a gamble so if you want to sell it fast place your ad in the Manitoba Co-operator classifieds. It's a Sure Thing. Call our toll-free number today. We have friendly staff ready to help. 1-800-782-0794.

TILLAGE EQUIPMENT
4262

1992 37' CASE/IH 5600 HD cultivator, w/Degelman mounted 4-row harrows, \$25,000. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

WANTED: USED OLDER tandem disc 16' to 22". Ph/text 306-946-7738, Watrous, SK

HEAVY DUTY DISCER 25', in good shape. 780-853-2031, 780-581-4035, Vermilion, AB.

TRACTORS

CASE/IH
4286



CASE/IH MX 110 with Buhler 795 hyd. self levelling loader, LHR, 3PTH, plumbed for grapple, rebuilt powershift trans, 9400 hrs., MFWD, 110 HP S/N JJA0113932, vg working, \$42,000 OBO. Call 204-743-2324, Cypress River, MB.

1984 IHC 5088, 130 HP triple hyds., dual PTO, \$18,000. 204-525-4521, Minitonas, MB. www.waltersequipment.com

WANTED: CAB DOOR for Case/IH 1070 tractor Call 306-781-2775, Kronau, SK.

2014 CIH 600 QuadTrac, luxury cab, diff lock, 1000PTO, 36" tracks, \$407,900. South Country Equipment, 306-842-4686, Weyburn, SK

2012 JD 9560R, 2916 hrs, 18F,6R powershift, hi-flow hyds, 520/85R46, \$383,400. South Country Equipment, 306-842-4686, Weyburn, SK

LIZARD CREEK REPAIR and Tractor. We buy 90 and 94 Series Case, 2 WD, FWA tractors for parts and rebuilding. Also have rebuilt tractors and parts for sale. 306-784-7841, Herbert, SK.

1998 CIH STEIGER 9390, 425 HP approx. 6500 hrs., 850 Trelleb duals, 24 spd., vg cond., \$89,000. 306-948-7223, Biggar, SK.

1995 CASE 9270, 6400 hrs., 4 hyds. w/one return line, 12 spd. trans. set up for Out-Back AutoSteer, 5520/85R42 tires, new fronts fall 2014, new back tires fall 2015, recently serviced, \$65,000 OBO. Ph/text Dwayne at 306-662-8532, Fox Valley, SK.

1983 CASE 2290 w/Leon 707 FEL, 4700 hrs., rebuilt PS and diff., 4 remotes, dual PTO, good tires, duals, \$19,500. Prince Albert, SK. 306-922-8155, 306-960-3230.

STEIGER
4289

2013 CIH Steiger 600 Quad, 1850 hrs, 6 hyd outlets, 36" tracks, diff lock, \$453,900. South Country Equipment, 306-842-4686, Weyburn, SK

CATERPILLAR
4292

2007 CHALLENGER MT765B track, 3268 hrs., 320 HP 4 SCV's, AutoGuidance, \$172,900. South Country Equipment, 306-721-5050, Regina, SK

JOHN DEERE
4295

STEVE'S TRACTOR REBUILDER specializing in rebuilding JD tractors. Want Series 20s, 30s, 40s, 50s, 7000s to rebuild or for parts. pay top \$\$ Now selling JD parts. 204-466-2927, 204-871-5170, Austin, MB.

JD 4230, 100 HP PS, \$12,500; JD 4020, 75HP, PS, \$8750 OBO. 204-525-4521 Minitonas, MB. www.waltersequipment.com

WRECKING FOR PARTS, JD 2750, 3 PTH, vg sheet metal; 2390 Case, vg eng., vg sheet metal; 2090 Case c/w complete overhauled engine, very good sheet metal. 1-877-564-8734, Roblin, MB.

JOHN DEERE
4295

2005 JD 8320, MFWD, powershift, 4500 hrs.; 2002 JD 8120, MFWD, powershift, 4650 hrs. Both can be equipped w/duals. 204-522-6333, Melita, MB.

2130 JD, 3 PTH, FEL, new front tires, good back fluid fill, runs good. Call Don 204-422-5216, Ste Anne, MB.

2004 JD 7520, MFWD, quad shift, LHR, 3 PTH, 741 SL loader, grapple, good tires, 9086 hrs, \$70,000 OBO. 306-869-3113, Radville, SK

1999 JD 9400, 425 HP, 24 spd., new rubber 4 hyds. w/return line, exc. cond., \$85,000 OBO. 306-861-4592, Fillmore, SK.

JOHN DEERE 8630, PTO, tires like new, excellent condition, \$19,500. 306-861-4592, Fillmore, SK.

1981 JOHN DEERE 8640, 4WD, 8300 hours, good condition, \$18,500. Call 306-739-2442, Moosomin, SK.

2015 JD 6150M, 1300 hrs., deluxe cab, MFWD, c/wH360 loader, bucket and grapple, \$183,100. South Country Equipment, 306-692-2371, Moose Jaw, SK

TWO 2015 JD 6125M, MFWD, 534 hrs. +, 520/70R38 w/H340 loader, \$157,500 and up. South Country Equipment, 306-345-2411, Mossbank, SK.

2013 JD 7280R, 2058 hrs., 700/70R38 w/Degelman 5900 12" blade, JD Link, \$279,900. South Country Equipment, 306-692-2371, Moose Jaw, SK

2015 JD 7210R, 1190 hrs., MFWD, JDLink, Command View cab, 710/70R38, \$253,300. South Country Equipment, 306-692-2371, Moose Jaw, SK

2004 JD 9250T, 4198 hrs., deluxe cab, 2600 Greenstar AutoTrac, 36" tracks, 460/85R38, \$159,900. South Country Equipment, 306-642-3366, Assiniboia, SK.

2014 JD 6125R, MFWD, 1397 hrs., w/H340 loader, bucket and grapple, 460/85R38, \$148,400. South Country Equipment, 306-721-5050, Regina, SK.

TWO 2015 JD 6140M, 1200+ hrs., MFWD w/H360 loader, bucket and grapple, \$169,800. South Country Equipment, 306-345-2411, Mossbank, SK.

2009 JD 7830 MFWD, 3821 hrs., AutoTrac, 520/85R42, Command View cab, \$143,900. South Country Equipment, 306-721-5050, Regina, SK.

2011 JD 9630T, 2486 hrs., 36" tracks, 5 hyd. outlets, front idler weights, deluxe comfort, \$313,900. South Country Equipment, 306-842-4686, Weyburn, SK

2014 JD 9560RT, 701 hrs, 36" tracks, Greenstar, JDLink, tow cable, \$483,500. South Country Equipment, 306-746-2110, Raymore, SK

2015 JD9520R, 1130 hrs, 800/70R38, premium cab, leather pkg, \$513,000. South Country Equipment, 306-354-2411, Mossbank, SK

FOUR 2015 JD9570R, 526 hrs up, Command View cab, JDLink, 800/70R38, \$536,900 up. South Country Equipment, 306-354-2411, Mossbank, SK

2012 JD 9560R, 2916 hrs, 18F,6R powershift, hi-flow hyds, 520/85R46, \$383,400. South Country Equipment, 306-424-2212, Montmartre, SK

2012 JD 9510RT, 1660 hrs, Greenstar, JDLink, 36" tracks, AJ Hitch, \$391,900. South Country Equipment, 306-424-2212, Montmartre, SK

2012 JD 9560R, 1369 hrs, JDLink, hi-flow hyd system, 800/70R38, \$400,100. South Country Equipment, 306-721-5050, Regina, SK

1990 JD 4755 tractor, 2 WD, quad range, 1000 PTO, approx. 6900 hrs., \$37,500. Call 306-948-7223, Biggar, SK.

2008 JD 9630, 4 WD, 2925 hrs., 800 duals, fresh Greenlight, excellent condition. Call 306-741-2649, Pennant, SK.

KUBOTA
4298

2011 B3000, MFWD, 246 hrs., 30 HP dsl., 3 range hydro. trans., deluxe cab, CAH, PS, 3 PTH, mid and rear hyd. in dependant PTO, joystick loader lever, includes 63" Kubota snowblower (\$5700 value w/all options), always shedded. Mint! \$22,900. Cudworth, SK. call 306-256-3569, 306-230-4393.

NEW HOLLAND
4304

2013 NH T9.670, 1620 hrs, 36" tracks, Nav controller, diff lock, 6 hyd outlets, \$433,700. South Country Equipment, 306-354-2411, Mossbank, SK

MISCELLANEOUS
4325

1974 GMC 3 TON grain truck; Vicon 6 wheel rake; Parts for Vicon 6 wheel rake; PMI 1411 rd baler; NH 1090 swather; MH 44 tractor. 204-643-5478, Fraserwood MB

CHECK OUT OUR inventory of quality used highway tractors.

LANDSCAPING
NURSERY/GARDENING SUPPLIES 4990



SPRUCE FOR SALE!! Beautiful locally grown trees. Plan ahead and renew your shelterbelt or landscape a new yard site, get the year round protection you need. We sell on farm near Didsbury, AB. or deliver anywhere in Western Canada. 6 - 12' spruce available. Now taking spring orders while supplies last. Phone 403-586-8733 or visit: www.didsburysprucefarms.com

LIVESTOCK
BISON/BUFFALO 5001

HARMONY NATURAL BISON buying finished up to \$6.25/lb HHW; Culls up to \$4.75/lb .W. Call/text 306-736-3454, SE Sask.

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

WANTED: ALL KINDS of bison from yearlings to old bulls. Also cow/calf pairs. Ph Kevin at 306-429-2029, Glenavon, SK.

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

20-25 COWS AND ONE 2 year old bull. Nothing over 13 years of age. Downsizing. Available beginning of December. Offers. Marvin 306-929-2775, Prince Albert, SK.

BRED HEIFERS FOR SALE, 7y Plains, 11 Wood cross. The top herd bull is from Wolverine Bison sired to the yearling reserve Grand Champion bull in Denver in 2016. This is an impressive group of heifers ready to go this fall. Bulls may be purchased as well. Come view any time, or call Blair 306-231-9980, Plunkett, SK.

CATTLE
AUCTIONS SALES 5005

GRUNTHAL LIVESTOCK AUCTION MART
 Hwy #205, Grunthal • (204) 434-6519

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

REGULAR CATTLE SALES
 every TUESDAY at 9 am
 Dec. 6th, 13th & 20th

Sat. Dec. 3rd at 10:00am
 Closed Bred Heifer - 300 reputation heifers Blair Mistelbacher Ltd. 70% home raised, 70 red, and 230 black/black baldy heifers.

Sat. Dec. 10th at 10:00am
 Bred cow sale

For on farm appraisal of livestock or for marketing information please call **Brad Kehler (Manager) Cell 204-346-2440 Auction Mart (204) 434-6519 MB. Livestock Dealer #1111**

WWW.GRUNTHALLIVESTOCK.COM

STE ROSE AUCTION MART LTD

BRED COW SALE
 TUESDAY DECEMBER 6th
 11:00am

COMPLETE HERD DISPERSAL
 DAVID & CAROL SRAYBASH,
 RORKETON, MB.
 204-732-2325 (RES) /
 204-447-0397(CL)

180 RED & SIM X, BLACK COWS
BRED RED & SIM, DUE FEB-MARCH

MURRAY'S JE RANCH LTD
 (RUSSELL & DEBBIE MURRAY)
 RORKETON, MB. 204-732-2366
150 CHAR & RED X COWS,
BRED CHAR, DUE IN MARCH

SPECIAL BRED HEIFER SALE
 TUESDAY DECEMBER 13th
 3-400 BRED HEIFERS WILL BE EXPECTED
 DETAILED LISTING NEXT ISSUE
FOR MORE INFO CONTACT MYLES
AT 204-447-2266 OR srauction.ca
FOR COMPLETE VIDEO'S.

CANDIAC AUCTION MART Bred Cow Sale with Herd Dispersal on Wednesday, December 7th, 11:00 AM. For more info and booking call 306-424-2967 or Kevin 306-539-4090, Candiac, SK.

Search for AG EQUIPMENT DEALS on your PHONE

AGDealer MOBILE

Get the APP >>>



AUCTIONS SALES 5005

KILLARNEY AUCTION MART LTD BRED COW SALES

Saturday, December 3th - 1 pm
Workman Annual Production Sale
 150 Simmental and Angus Influence Heifers

Thursday, December 8th - 11 am
Keith Johnson Dispersal (Killarney)
 60 Simmental Influence Cows Jan to Mar Calving
Dan McIntyre Dispersal (Nesbitt)
 30 Angus X cows March Calving
Larry Heinrichs (Clearwater)
 20 Black Angus Heifers March Calving
Trevor McLaren (Baldur)
 10 Angus Heifers March Calving
Holmfild Colony
 25 limo x cow Jan calving

Thursday, December 15th - 11 am
Ken Thiessen (Winkler)
 75 Angus Bred Heifers February Calving
Charles Watkins (Clearwater)
 33 Char Cows Mid Feb Calving
Donna Desrochers (Baldur)
 25 Simmental Cows Jan Calving
Tryon Wells (Goodlands)
 20 Angus Bred Heifers April Calving

Check out **killarneyauctionmart.com** or call 204-523-8477 for more details
DEALER LICENCE #1433



WHITEWOOD LIVESTOCK

Bred Cow & Heifer Sale
 Friday, December 9 @ 11 am

- DISPERSAL FOR BRENT & DARLENE MINTY OF 70 RED, BLACK, CHAR/SIMM COWS INCLUDING 7 HEIFERS. COWS ARE BRED BLACK ANGUS OR CHAROLAIS; HEIFERS BRED ANGUS. MARCH CALVING. BULLS TO SELL AS WELL.
- DISPERSAL FOR DENIS MAURICE OF 14 BLACK COWS BRED BLACK ANGUS. FEB/MARCH CALVING.
- 35 RED & SIMMENTAL & SIMM/ANGUS X HEIFERS BRED BLACK ANGUS FOR CALICO CATTLE CO. MARCH 1ST CALVING. FULL HERD HEALTH. FOR INFO CALL 735-2749.
- 15 BLACK & RED SIMMENTAL COWS BRED BLACK ANGUS OR BLACK SIMM. CALVING FEB 5.
- 40 CHAR X COWS BRED HEREFORD OR RED ANGUS. MAY CALVING. FULL HERD HEALTH
- 30 BLACK HEIFERS (TENTATIVE - MAY BE DEC 16 SALE)
- PLUS OTHERS

For more information or to book call 306 735 2822.
 Go to whitewoodlivestock.com for pictures.

BRED HEIFERS, DISPERSALS and more Saturday, Dec. 10, 1:00 PM, Johnstone Auction Mart, Moose Jaw, SK. R&R Ranch, Lipsett, Fiss, Richards, Hackamore and Gray bred heifers, Forwood 2nd calvers and Petersen reduction of 70 Black Angus, 300+ all together. 306-693-4715, pics/info. www.johnstoneauction.ca PL #914447.

BLACK ANGUS 5010

OSSAWA ANGUS, MARQUETTE, MB. has for sale purebred Black heifer calves. Also 2 year old bulls. Info. call 204-375-6658.

JARDINE FARMS LTD. has for sale 52 bred heifers, bred to Black Angus bull, due to calve March 15 - Apr. 15, \$1800/head firm. Phone 204-354-2254, Brookdale, MB.

REGISTERED BLACK ANGUS bull calves, low birth weight, very quiet. We've been in registered Blacks for over 50 yrs. Buy now and save! EPD's and delivery available. Amaranth, MB. 204-843-2287.

SOUTH VIEW RANCH has Black and Red Angus 2 year old bulls. Ceylon, SK. Call Shane 306-869-8074, Keith 306-454-2730.

JL LIVESTOCK FALL FEMALE SALE on December 13, 2016. Offering: 200 PB heifers and 200 commercial heifers. Sired by Density, Net Worth, and Final Answer. AT'd to Final Answer, Angus Valley, and JL Preferred. Call 306-736-7393 or 306-736-8698, Peebles, SK.

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

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

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

BLACK ANGUS 5010

JOHNSTON/FERTILE VALLEY Black Angus Female Sale: December 15th, 2016 at Heartland Livestock, Swift Current, SK. 125 bred females, sell mostly AI to calve March through May. View the cow herd on-line: www.johnstonfertilevalley.com David and Dennis Johnston 306-856-4726, Conquest, SK.

BIRCHAM RANCH BRED HEIFERS: 210- Top Cut 1st cross Black Brockle face; 45- 3/4 Angus Black and Black Brockle face and 25 top cut first cross Black Simm cross Black Angus heifers, bred Black Angus. Bred June 10th to Aug 6th. All vaccinations. Will deliver. Selling at the Rock Solid Bred Heifer Sale on December 12th, 2016. Heartland Livestock, Swift Current, SK. Call Wayne Bircham, 306-662-7940. www.rocksolidbredheifer.com

28th ANNUAL KEYSTONE KLASSIC Black and Red Angus Sale, Saturday December 3, 2015 at 1:00PM, Keystone Centre, Brandon, MB. Presented by top producing Red and Black Angus breeders Offering 70+ females, including an elite selection of foundation bred heifers, fancy heifer calves and cow calf pairs. Junior discounts available. For more information or a catalogue contact T Bar C Cattle Co. Ltd. at 306-220-5006. View the catalogue online: www.BuyAgro.com PL #116061

RED ANGUS 5015

F BAR & ASSOCIATES Red and Black Angus bulls, bred heifers and yearling heifers for sale this fall. Great genetics, easy handling, registered or commercial, delivery available. Detailed info. ph Allen & Merilyn Staheli, Eddystone, MB, 204-448-2124, or email: amstaheli@inethome.ca

SOUTH VIEW RANCH has Red and Black Angus 2 year old bulls. Ceylon, SK. Call Shane 306-869-8074, Keith 306-454-2730.

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

28th ANNUAL KEYSTONE KLASSIC Black and Red Angus Sale, Saturday December 3, 2015 at 1:00PM, Keystone Centre, Brandon, MB. Presented by top producing Red and Black Angus breeders Offering 70+ females, including an elite selection of foundation bred heifers, fancy heifer calves and cow calf pairs. Junior discounts available. For more information or a catalogue contact T Bar C Cattle Co. Ltd. at 306-220-5006. View the catalogue online: www.BuyAgro.com PL #116061

HEREFORD 5090

25 BRED HEIFERS bred Hereford. February calving, balance due March/April. Excellent group. Registration papers available. Call Duncan or Jeff Lees at: 306-455-2619 or 306-577-1375, Arcola, SK.



BIG GULLY FARM Bull and Heifer Sale Thursday, Dec. 8th, 5:30 PM MST, 12 miles North of Maidstone, SK. Horned and Polled, Long-yearling bulls, bull calves and bred heifers. Free wintering, delivery and carcass ultrasound. Volume discount of 5% on 2 or more. View videos, information and catalogue at: www.biggullyfarm.com Lance Leachman, 306-903-7299, or email: biggullyfarm@gmail.com Online bidding at: LiveAuctions.tv

HIGHLAND 5100

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

SHORTHORN 5200

SHORTHORN ALLIANCE SALE, Thursday Dec. 8 at 1:00 PM at Saskatoon Livestock Sales. On offer: Top females, consisting of heifer calves, bred heifers and bull calves. Top genetics from leading Western Canadian breeders. For more info. call Richard Moellenbeck, 306-287-7904. Catalogue to view online at www.saskshorthorn.com

SIMMENTAL 5205



TWIN BRAE SIMMENTALS Bred Female Dispersal. Wednesday, Dec. 21, Virden, MB. 110 bred cows- majority are under the age of 6, 43 bred heifers, 20 bull calves, 15 open heifer calves, 2 herd sires. Call for catalogue or go online at www.chescu.com Barry and Glenda Chescu, Inglis, MB., 204-564-2509. www.goo.gl/pf4keh Sale managed by: Transcon Livestock Corp.

PLAN TO Attend the 38th Annual Keystone Konnection Simmental Sale, Tues., Dec. 6th at Keystone Centre, Brandon, MB. 60 lots of Simm. cattle, 40 yearling bred heifers with noted breeding dates. Heifer calves for 4-H or Junior Show Programs. Bull calves that are some of the top genetics in Flechvieh/ Simmental will be available on Dec. 6. These heifer bulls will add pounds to your calf crop. Heifer calf show starts at 12 Noon with sale to follow. View catalogue: www.marmacfarms.net or 204-728-3058.

CATTLE VARIOUS 5240

LAZY RAINBOW RIVER RANCH has 115 Simmental, Charolais, Red and Black Angus cross bred heifers. Preg checked. Can feed til late fall as an option. Price negotiable. 204-372-6945, Fisher Branch.

BRED COW HERD REDUCTION, by half. 150 head. Would trade for light or tough feed grain. Call 306-432-4803, Lipton, SK.

20 EXCELLENT HOME raised Simm/Angus bred heifers, very quiet, exposed to Red Angus bull June 1st. Mitch 306-467-4975, 306-467-7912, Duck Lake, SK.

CATTLE VARIOUS 5240

H. S. KNILL TRANSPORT, est. 1933, specializing in purebred livestock transportation. Providing weekly pick up and delivery service across Canada/USA and Mexico. Gooseneck service available in Ontario, Quebec and USA. US and Canada customs bonded carrier. Call 1-877-442-3106, fax 519-442-1122, hsknill@pppoe.ca or www.hsknilltransport.com 155 King Edward St., Paris, ON. N3L 0A1.

WINNIPEG LIVESTOCK SALES Bred Cow Sale, Monday December 5th, at 10:00 AM. Butcher and Feeder Sale at 9:00 AM. Sale will feature: 25 Choice Black Angus Heifers Bred Black, calving March/April. Docile and full vaccinate from the Bennets Lazy Oak Farms, Lundar, MB.; also 40 mixed cows bred Red and Black. To consign call 204-694-8328.

RANCH RAISED ONE IRON UNIFORM HEIFERS. Black Angus and B&F, bred June 17 to low birth bulls, full vaccination, asking \$1800 each. Chanig Ranch, 306-478-2658, Mankota, SK.

QUALITY HERD FOR SALE: 165 mostly Simmental cross. Red, Tan and Black cows, ranging from 1st calvers to mature cows, bred Simmental or Charolais; 40 heifers, mostly Simmental cross, bred Limousin. Start calving March 3rd, 2016. Call 306-210-8497, Tramping Lake, SK.

50 BLACK AND 10 BWF bred heifers bred to easy calving Black Angus bulls, turned out July 1st. Ph 306-493-2969, Delisle, SK.

44 TOPCUT ONE IRON Red Angus cross bred heifers, AT'd to low birthweight Red Angus bull, very impressive group of heifers. Call 306-937-2880 or 306-441-5010 Battleford, SK.

75 SECOND AND THIRD Black and Red Angus young bred cows. Call 306-773-1049 or 306-741-6513, Swift Current, SK.

CATTLE WANTED 5245

WANTED: 200 Red or Black Angus cross younger cows, lease to own. References available. 306-542-2575, 306-542-7007, Veregin, SK.

HORSES

HORSES VARIOUS 5460

BLACK TEAM mare and gelding 7 and 9 yrs. old; Percheron QH, very well broke; Harness; Covered wagon; Sleigh with cab; Horse mower. 306-862-3533, Nipawin, SK

SHEEP

SHEEP VARIOUS 5590

BREEDING EWES, EXPOSED: Cluns and mixed breeds as well as various rams. Call 204-842-5237, evenings, Birtle, MB.

QUALITY HAMPSHIRE and **DORSET** ram lambs from proven flock. Heeroma's 306-823-4526, Neilburg, SK.

SHEEP SERVICE/ SUPPLIES 5598

SASK. SHEEP DEV. BOARD sole distributor of sheep ID tags in Sask., offers programs, marketing services and sheep/goat supplies. 306-933-5200, Saskatoon, SK. www.sksheep.com

SWINE

SWINE WANTED 5625

WANTED: BUTCHER HOGS
SOWS AND BOARS
FOR EXPORT
P. QUINTAIN & SON LTD.
 728-7549
 Licence No. 1123

SPECIALTY

LIVESTOCK EQUIPMENT 5290

KELLN SOLAR SUMMER/WINTER WATERING System, provides water in remote areas, improves water quality, increases pasture productivity, extends dugout life. St. Claude/Portage, 204-379-2763.

CUSTOM GRAIN ROLLING on your yard w/new PTO Apollo rollermill. New Apollo-Sven rollermill sales, used mills buying and selling. Re-grooving all makes. Manitoba Distributor Direct. Phone Farmers Premium Equipment, Randy 204-729-5162

GRAIN PROCESSING: 16" Sven rollermill, 10 HP quick release, 6' cross auger, 2 leg, overhead processed grain tank, all wiring, asking \$7500. 306-862-4849, Aylsham, SK.

GREG'S WELDING: Freestanding 30' 5 bar panels, all 2-7/8" drill stem construction, \$470; 24x5.5' panels, 2-7/8" pipe with 1" sucker rods, \$350; 24x6' panels, 2-7/8" pipe with 6-1" rods, \$375; 30' 2 or 3 bar windbreak panels c/w lumber. Gates and double hinges avail. on all panels. Belting troughs for grain or silage. Calf shelters. Del. avail. 306-768-8555, Carrot River, SK.

STOP WASTING GRAIN! Try our grain troughs: 30' c/w skids, made of conveyor belting and pipe, \$750 ea. 306-538-4685, 306-736-7146, Kennedy, SK.

FES-FUCHS FARM SUPPLY is your partner in agriculture stocking mixer, cutter, feed wagons and bale shredders and industry leading Rol-Oyl cattle rollers. 306-762-2125, Vibank, SK. www.fuchs.ca

ZAK'S AGRICULTURAL BUILDINGS: Cattle shelter and barn packages. Call 306-225-2288 or www.zaksbuilding.com to request a farm building quote today!

LIVESTOCK EQUIPMENT 5290

CATTLE SHELTER PACKAGES or built on site. For early booking call 1-800-667-4990 or visit our website: www.warmanhomecentre.com

SVEN ROLLER MILLS. Built for over 40 years. PTO/elec. drive, 40 to 1000 bu./hr. Example: 300 bu./hr. unit costs \$1/hr. to run. Rolls peas and all grains. We regroove and repair all makes of mills. Call Apollo Machine 306-242-9884, 1-877-255-0187. www.apollomachineandproducts.com

Call our toll-free number to take advantage of our Prepayment Bonus. Prepay for 3 weeks and we'll run your ad 2 more weeks for free. That's 5 weeks for the price of 3. Call 1-800-782-0794 today!

NOTICES 5925

NOTRE DAME USED OIL & FILTER DEPOT

- Buy Used Oil
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- Collect Oil Containers
- Antifreeze

Southern, Eastern and Western Manitoba

Tel: 204-248-2110

ORGANIC PRODUCTS

CERTIFICATION SERVICES 5943

WANT THE ORGANIC ADVANTAGE? Contact an organic Agrolgist at Pro-Cert for information on organic farming: prospects, transition, barriers, benefits, certification and marketing. Call 306-382-1299, Saskatoon, SK. or info@pro-cert.org

GRAINS 5947

WANTED

ORGANIC FEED GRAIN. Call DMI 306-515-3500, Regina, SK.

TRADE AND EXPORT CANADA BUYING all grades of organic grains. Fast payment and pick up. Call 306-433-4700.

WANTED: ORGANIC LENTILS, peas and chickpeas. Stonehenge Organics, Assiniboia, SK., 306-640-8600, 306-640-8437.

PERSONAL VARIOUS 5952

TIME TO APPRECIATE Relationships! Life is meant to be shared. We are here to help you. Candlelight matchmakers. Confidential, rural, photos/profiles to selected matches. Local, affordable. Serving MB, SK, NW-ON. Call 204-343-2475 or email candlelightmatchmakers@gmail.com

DO YOU KNOW an amazing single guy who shouldn't be? Camelot Introductions has been successfully matching people for over 22 years. In-person interviews by Intuitive Matchmaker in MB and SK. www.camelotintroductions.com or phone 306-978-LOVE (5683).

PETS

THE ANIMAL PEDIGREE ACT
 No person shall, without an express statement that the animal's registration, identification or status as a purebred is from a jurisdiction other than Canada and that the animal will not be registered or identified in Canada by the person, sell, as registered or identified, or as eligible to be registered or identified, or as a pure-bred, any animal without providing to the buyer thereof within six months after the sale the animal's duly transferred certificate of registration or certificate of identification. Any person who contravenes any provision of this Act or the regulations (a) is guilty of an offence punishable on summary conviction and is liable to a fine not exceeding twenty-five thousand dollars; or (b) is guilty of an indictable offence and is liable to a fine not exceeding fifty thousand dollars. For further information contact: Canadian Kennel Club Etobicoke, On.

WORKING DOGS 5973

RED HEELER PUPS: 2 females, 2 months old, ready to go with first shots, asking \$500. Call 306-725-4510, Bulyea, SK.

BONAFIDE REGISTERED AUSTRALIAN Kelpie pups, Australian bred. Parents make a living on cow/calf operation at community pasture. Also started working Kelpies. Call Watkinson Working Kelpies, 306-692-2573, Moose Jaw, SK.

PUREBRED BORDER COLLIE pups. From good working and personable parents. Contact 306-553-2213, Swift Current, SK.

REAL ESTATE

CONDOS/TOWN HOUSES 6120

BRIGHT FURNISHED CONDO. 2 bdrm, 2 bath, 926 sq. ft., convenient South Regina, SK. location. All amenities nearby. Asking \$155,000. Call 306-536-2357.

RETIREMENT - HIGH END TOWNHOME, walk-out, 1580 sq. ft., East side Saskatoon, SK. Upscale, award winning complex. Priced \$589,900 MLS. Florence Fofonoff, Royal LePage Hallmark, 306-221-7866.

COTTAGE/LOTS 6125

LOG HOMES AND CABINS, sidings, panning, decking, Fir and Hemlock flooring, timbers, special orders. Phone Rouch Bros., Lumby, BC. 1-800-960-3388. www.roucbros.com

HOUSES/LOTS 6128

OWN A ZAK'S custom built home in the brand new subdivision in Neuanlage, SK. just minutes from Saskatoon. Go to www.zaksbuilding.com or 306-225-2288.

HOUSES/LOTS 6126

FARM LAND SALE BY TENDER

Completed Tenders and a \$10,000.00 deposit per parcel will be received up to 12:00 PM (noon) on December 6, 2016 (the "deadline") at:

BROWN & ASSOCIATES LAW OFFICE,
 Box 1240, 71 Main Street, Carman, Manitoba R0G 0J0
Attn: Mona Brown

HOUSES/LOTS
6126

FARM PROPERTY FOR SALE BY TENDER

Sealed tenders in writing for the purchase of the property described below will be received by **McCulloch Mooney Johnston Selby LLP** as follows:

PROPERTY FOR SALE (owned by ARNOTT FAMILY FARMS LTD.)

- N 1/2 OF 29-2-7 WPM (317.28 acres)
- SW 1/4 29-2-7 WPM (160 acres)
- SE 1/4 29-2-7 WPM (146.72 acres) (including 4 granaries located on the property)
- E 1/2 32-2-7 WPM (310.84 acres) – currently rented out for the 2017 crop year

CONDITIONS OF TENDER:

- Interested parties must rely on their own inspection and knowledge of the property.
- Tenders must be delivered to **McCulloch Mooney Johnston Selby LLP by 2:00 p.m. December 16, 2016. Please mark on front of envelope "Arnett Family Farms Ltd. Tender".** Tenders must be accompanied by a \$10,000.00 deposit cheque payable to McCulloch Mooney Johnston Selby LLP. Deposit cheques accompanying unacceptable bids will be returned.
- The highest or any tender will not necessarily be accepted.
- The bidder(s) whose tender is accepted will be required to complete an Agreement covering the terms and conditions of the sale.
- For Income Tax purposes, the Purchasers will purchase the shares in **Arnett Family Farms Ltd.** As at the date of closing, the only assets of the Corporation will be the above referenced land and 4 granaries.
- Possession date will be a date to be agreed upon by the parties in early 2017.
- The successful bidder will be responsible for all realty taxes following **December 31, 2016** (the adjustment date).
- In addition to the deposit, the balance of the accepted tender must be paid on or before the date of closing or evidence provided that the purchase funds will be available under conditions acceptable to the Vendor. If the balance of the purchase price is not paid by the possession date or under such acceptable conditions, the deposit paid shall be forfeited as liquidated damages and not as a penalty.

All inquiries to be directed to Scott W. Johnston
McCulloch Mooney Johnston Selby LLP
P.O. Box 1670
14 Main Street S.
Carman, Manitoba, R0G 0J0
(204) 745-2546

FARM LAND SALE BY TENDER

Tenders for property in the Municipality of **Lorne** will be received until

2:00 pm on **December 9th, 2016** by:

McCULLOCH MOONEY JOHNSTON SELBY LLP
351 Main Street, PO Box 279
Manitou, MB. R0G 1G0

PROPERTY

- Parcel 1: SW 1/4 18-5-11 WPM, and part of NW 1/4 18-5-11 WPM lying to the south of Railway Right – of – Way
- Parcel 2: SE 1/4 18-5-11 WPM
- Parcel 3: SE 1/4 10-5-12 WPM

For further information contact **Larry J. Selby** at:
Ph: 204-242-2801
Fax: 204-242-2723
email: larry@mmjslaw.com

MOBILE HOMES
6127

BEST CANADIAN HOMES built by Modular **Best prices!** 1520 sq. ft., \$111,900; 1216 sq.ft. \$91,900; 1088 sq.ft. \$87,900. Ready for delivery. Custom orders welcome. On-site consultation. Yellowhead Modular Home Sales, 306-496-7538, 306-849-0002 weekend calls. Personalized service. www.affordablehomesales.ca

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Immediate delivery: New 16' and 20' modular homes; Also used 14' and 16' homes. **Now available: Lake homes.** Medallion Homes, 306-764-2121, Prince Albert, SK.

READY TO MOVE
6128



READY TO MOVE: CELEBRATING 40 Years! Your RTM Home Builder since 1976. Avail. immediately 1560 sq. ft. homes starting at \$95,000. 3 bdrm, 2.5 baths, main floor laundry, master bdrm with full ensuite and walk-in closet. Spacious living area, large kitchen with island. Marvin Homes Inc., Marvin Vogt, Mitchell, MB. 204-326-1493, 204-355-8484. marvinhomesinc@live.com www.marvinhomes.ca

ZAK'S RTM HOMES and cottages, custom built, every time! www.zaksbuilding.com or call our talented staff at 306-225-2288 to help design your new home.

RTMS AND SITE built homes. Call 1-866-933-9599, or go online for pictures and pricing at: www.warmanhomes.ca

J&H HOMES: Western Canada's most trusted RTM Home Builder since 1969. View at www.jhhomes.com 306-652-5322

RESORTS
6129

VEGAS TIMESHARE. INT'L exchanges, avail. 2 bdrm., full kitchen washer/dryer, living/dining room. 306-453-2958, Carlyle.

FARM & RANCHES

ALBERTA
6132

FARMLAND FOR SALE BY TENDER: Approx 10 miles East of Viking, AB. The following are offered for sale by tender subject to the encumbrances and interests as are recorded on the existing Certificate of Titles. SE 16-48-11-W4, 155.4 acres, approx. (130 crop land and 25.4 slough/native land); NW 16-48-11-W4, 160 acres (approx. 140 crop and 20 slough/native); NE 16-48-11-W4, 155.7 (approx. 90 tame grass, 65.7 slough/native). All have newer 4 wire fence. For more info. 780-777-5227 (leave message). Bids will be considered on the total package or by individual quarter section. The highest and/or any bid will not necessarily be accepted. If the successful bidder does not complete the purchase after the acceptance of the tender, the deposit shall be forfeited. Cheques from unsuccessful bidders shall be returned to them. Tenders in sealed envelopes marked "Camp Lake Lands" must be received by 11:00 AM on Dec. 19, 2016 in the office of Nickerson, Roberts, Holinski & Mercer, 608-10th St, Wainwright, AB, T9W 1E2, accompanied by a certified cheque or bank draft in the amount of 10 percent of the value of the bid payable in trust to Nickerson, Roberts, Holinski & Mercer, Barristers and Solicitors.

SASKATCHEWAN
6133

FARMLAND FOR SALE in RM No. 2: 1 quarter, SW 35-01-34 W1. Offers. Mail to: Box 188, Carnduff, SK. S0C 0S0. 306-483-7477

FARMLAND NE SK (Clemenceau) 4 quarters plus 36 acre riverside parcel w/5 bdrm. home. Featuring: bins on concrete with direct hit on railroad cars, 40 acres of mostly mature spruce timber, 2 farmyards: 1 bordering Etomami River and 50 miles of provincial forest, excellent elk hunting and other big game and goose. 580 acres cult. Full line of farm equipment and sawmill also available Reg Hertz, 306-865-7469.

RM OF BIGGAR #347: Starter farm/ranch! Older 1 3/4 storey character home approx 2000 sq. ft. Heated detached garage, quonset, open front shelter, corals, bins. 186 acres of land. (70 cultivated remainder pasture and yard site). NW 36-36-16 and part of SW 36-36-16 W3 \$349,000. For more info, phone Duane Neufeldt, RE/MAX Saskatoon - Biggar 306-948-8055. www.duaneneufeldt.com

RM OF GLENSIDE 377: Prime ranching opportunity! 1296 sq. ft. bungalow built in 1988. Detached garage, metal shop/riding arena, horse barn and newer corrals. 308 total acres of land. (Both native and tame grass, cross fenced into many paddocks). SE 04-40-14 W3 and SE 33-39-14 W3. \$499,000. For more info, phone Duane Neufeldt, RE/MAX Saskatoon - Biggar 306-948-8055. www.duaneneufeldt.com



LAND AUCTION, Stoney Run Cattle Corp., Thursday, December 22, 2016, Days Inn, Estevan, SK., 7:00 PM. Join Mack Auction Company, Sec. 22 for your chance to own 6 quarter sections of prime grass and hay land in RM of Enniskillen #3. There is unlimited potential for this land with the close proximity of The Ceres Northgate Terminal, a multi-commodity logistics center strategically located on the Canada/US border in SE Sask! The tame hay, native grass, water sources and perimeter barb wire fences are in exc. condition. 1. NW-8-1-3-W2 RM#3, FVA 64,800. 160 acres tame hay and native grass, partially fenced. 2016 taxes \$380.28. 2. NE-8-1-3-W2 RM#3, FVA 58,200. 160 acres tame hay and native grass, partially fenced, shallow dugout. 2016 taxes \$341.55. 3. SW-8-1-3-W2 RM#3, FVA 80,600. 160 acres tame hay, partially fenced, dugout. 2016 taxes \$473.00. 4. SE-8-1-3-W2 RM#3, FVA 67,800. 160 acres tame hay, partially fenced, dugout. 2016 taxes \$397.88. 5. NW-1-1-3-W2 RM#3, FVA 49,000. 160 acres native grass, partially fenced. 2016 taxes \$234.13. 6. NE-1-1-3-W2 RM#3, FVA 48,100. 160 acres native grass, partially fenced, dugout. Direct access to Hwy 9, located adjacent to Ceres Commodity Logistics Hub. 2016 taxes \$230.29. Visit www.mackauctioncompany.com for sale bill and photos. Join us on Facebook and Twitter. Mack Auction Co., your land Auctioneers. 306-421-2928 or 306-487-7815. PL #311962.

160 ACRES near Regina with yard and business opportunity; 15 acres w/ large character home, plus 2nd home on property within 35 miles of Regina or Weyburn on Hwy. #35; 160 acres w/ large home, 3 car heated garage, large shop, horse barn, plenty of water, 20 min. NE of Regina; Near Pilot Butte, 80 acre development land; 90+ acres, Hwy. #11, 7 mi. North of Saskatoon, development; RM Perdue, 2 quarters W. of Saskatoon on Hwy #14; 2 miles East of Balgonie Hwy. #1, 145 acre development land. Brian Tiefenbach 306-536-3269, Colliers Int., Regina, SK. www.collierscanada.com

FARMLAND FOR RENT. Wascana Centre Authority in Regina has a property available for agricultural crop use. The land consists of 400 tillable acres of previously cropped land immediately east of the Trans Canada Bypass and is located immediately south, east and north of the Sask. Polytechnic Campus. The legal land descriptions are: 5-17-19-W2 and Plan Health Centre, Block C, Lot PTS of 5, 6, 8-17-19 W2. The Authority is prepared to enter into a multi-year agreement for this property commencing in Dec. 2016. If you are interested, please contact Michelle Paetsch at: phone 306-347-1829 or email michelle.paetsch@wascana.ca Expressions of interest are being accepted until the date: December 15, 2016 for this property.

SEVERAL QUALITY LAND packages for sale. Please check out our website at www.hcventures.ca Regina, SK.

RM DOUGLAS- 6 quarters high assessed farmland, 1800 sq. ft. house, quonset, and 30,000 bushel grain storage. MLS 584933; **RM MEETING LAKE-** 1 quarter grassland fenced. MLS 588573. Great Plains Realty Inc. contact Mike Janostin at 306-481-5574, mike@greatplainsrealty.ca or greatplainsrealty.ca

SASKATCHEWAN
6133

FARMLAND NW-35-30-12-W3 near Harris. Assess 56,100. 1 year lease in place until end of 2017 (\$7000) that will go to new owner. Asking \$249,000. Ph 306-220-0191

NOTICE OF TENDER of: NE-36-39-28-W2; LSD 11 and 12 of NW-12-40-28-W2; NW-01-40-28-W2; SW-01-40-28-W2; SE-36-39-28-W2; SE-12-40-28-W2, RM of Grant. All bids to be in writing by registered mail or delivered personally to the Selling Officer in a sealed envelope before **4 PM on Dec. 14, 2016.** Each bid shall be accompanied by a cheque in the amount of 10% of the bid. Within 15 days of the opening of bids, the successful bidder shall provide either: (a) The balance of the purchase price; or (b) Payment of a sum equal to the difference between the balance of the purchase price and any mortgage financing, together with an unconditional and unequivocal letter of commitment from a recognized financial institution to finance within 15 days of the confirmation of sale, the successful bidder's purchase of the land for the price stated in the bid. If the successful bidder does not complete the purchase on the terms and within the time specified, the deposit shall be forfeited. The land shall be sold subject to taxes as accrue due after Dec. 31/16. The highest or any bid may not necessarily be accepted. **Selling Officer: David Hnatyshyn (assistant Heidi), Hnatyshyn Gough, #601, 402-21st Street E, Saskatoon, SK S7K 0C3, ph: 306-653-5150, fax: 306-652-5859, email: heidi@hglaw.ca**

RM CANWOOD #494- \$990,000. 1202 acres good pasture w/Little Shell River running thru it. Approx. 660 acres cult. tame hay and the balance main natural and bush pasture. Fairly good fence, also the seller has done some gravel test holes. What was found is very interesting on approx. 400 acres. The buyers would responsible for their own testing. As well, there is some spruce timber. MLS#574209. Info. call Lloyd Ledinski, Re/Max of the Battledorfs, 306-446-8800, 306-441-0512.

RM OF MAYFIELD No. 406. Approx 950 acres due to 10 acres out for acreage. 324 acres of cultivated grain land. Approx 626 acres of natural pasture and prairie wool pasture and spring feed pasture water. 2.5 miles south of Maymont on 376. Fenced with 3 wires and treated post. What a property!! Overlooking the North Saskatchewan River and the River Valley. Excellent big game hunting in the area - white tail deer, moose and geese. MLS# 591593. For further info or to view call Lloyd Ledinski/Elaine Elder, Re/Max of the Battledorfs, 306-446-8800, 306-441-0512.

MANITOBA
6134

FARMLAND FOR RENT in RM Emerson-Franklin. The following fields for rent in 2017: 1.) NE 1/4-17-1-3-E, 156 acres; 2.) NE 1/4 29-1-3-E, 152 acres; 3.) RL 18 AG Plan 615, 11 acres; 4.) RL 34 AG Plan 4118, 20 acres; 5.) RL 34 AG Plan 4118, 30 acres; 6.) SE 1/4-17-1-3-E, 156 acres; 7.) NW 1/4-8-1-3-E, 144 acres; 8.) SE 1/4-28-1-3-E, 158 acres; 9.) SE 1/4-32-1-3-E, 158 acres; 10.) SW 1/4-4-1-3 E, 151 ac; 11.) SE 1/4-4-1-3 E, 160 acres. Fixed 5 year term with 2 instalments April and October. Increase of land taxes added to the 2nd payment. 40,000 bu. of storage in hoppers are also available. Submit offer by email and indicate what you are bidding on. Tender closes Dec. 31, 2016. Highest or any tender will not necessarily be accepted. Email to: landmann0815@aol.com

RM OF BIFROST, RIVERTON, 158 acres. SE-26-21-3E 100 acres in trefoil, balance bush. Written tenders accepted until Dec. 31, 2016. Submit tenders to T. Hayka, PO Box 23, Arnes, MB. R0C 0C0. Highest or any tender not necessarily accepted.

MANITOBA
6134

NORMAN, BARBARA & KEVIN Morrisseau of Crane River, MB. are offering the following private land for sale: NW 36-29-14 W, The successful purchaser will be considered by Manitoba Agriculture for possible transfer of the Crown land **Forage Lease and Renewable Hay Permit** associated with this ranch unit. This forage lease currently consists of the following: NW 27-29-14 W; Sec 28-29-14 W; E1/2 of 29-29-14 W; Sec 32-29-14 W; Sec 33-29-14 W; W1/2 of 34-29-14 W; E1/2 of 35-29-14 W; SW 36-29-14 W; W 01-30-14 W; Sec 02-30-14 W; NE 30-29-13 W; E1/2 of 31-29-13 W. If you wish to purchase the private land contact the Lessees: Norman, Barbara & Kevin Morrisseau, Box 84, Crane River, MB. R0L 0M0. If you wish to comment on or object to the eligibility of this Unit Transfer write the Director, Manitoba Agriculture, Agricultural Crown Lands, P.O. Box 1286, Minnedosa, MB. R0J 1E0 or Fax 204-867-6578

FOR SALE BY TENDER farmland in RM of Roland part of NW-11-05-05W and part of SW-14-05-05W, approx. 232 cult. acres. Please submit sealed written tenders by December 9, 2016 to: Mr. Mark Beard, Ammeter Law Group, 7 Donald Street, Winnipeg, MB. R3L 2S6. Mark envelope "Roland Tender". Highest or any tender will not necessarily be accepted.

1097 ACRE GRAIN Farm in prime area of Westman, 1000 acres cult., 2160 sq. ft. modern split level home in prime condition, heated workshop, machine shed; 40,000+ bu. grain storage. Owners rent 500 cult. acres close by. Sound enterprise w/yard 5 miles from town; **1120 acre mixed farm** w/5000 acres cult., 2 large open front cattle sheds, insulated calving barn, machine shed. Land all adjoining and fenced, good water. 3+2 bed bungalow, 6 miles from town; **vacant dairy farm** with all equipment, ready for production w/freestall barn for 82 head, calving pens, young stock facilities, 10 unit abreast parlor; haybarn, machine shed, cattle shelter, cement silage clamps, 3800 sq. ft. modern home, 200 acres of land. Call Maurice for more details at Century 21 Westman.com, MB. 204-725-0555.

CLEMENT BRETECHER of **Toutes Aides** is offering the following private land for sale: W1/2-22-29-15W, W1/2-26-29-15W SW35-29-15W, NW1-30-15W, SW2-30-15W, NE3-30-15W, SE10-30-15W. The successful purchaser will be considered by Manitoba Agriculture for possible transfer of the Crown land forage lease associated with this ranch unit. This forage lease currently consists of the following: E1/2-21-29-15W, NE22-29-15W, NW25-29-15W, NE26-29-15W, E1/2-35-29-15W, NE01-30-15W, N1/2-02-30-15W, SE02-30-15W, SE11-30-15W, SE12-30-15W, W1/2 13-30-15W, SE14-30-15W, E1/2 23-30-15W, W1/2 24-30-15W. If you wish to purchase the private land contact the Lessee Clement Bretecher at Box 5, Toutes Aides, MB. R0L 2A0. If you wish to comment on or object to the eligibility of this Unit Transfer write the Director, Manitoba Agriculture, Agricultural Crown Lands, P.O. Box 1286, Minnedosa, MB. R0J 1E0, or Fax 204-867-6578.

EXCELLENT LIVESTOCK FARMS: 1) 1732 deeded acres w/4425 acres of Crown land, fenced, small bungalow, very good buildings and metal corral system, can carry 350 cow/calf pairs. 2) Excellent horse ranch in Erickson, MB., Riding Arena and buildings in fantastic condition. 3) 640 acres mixed farm within 15 min. of Brandon. Call Jim McLachlan 204-724-7753, HomeLife Home Professional Realty Inc, Brandon, MB., www.homelifepro.com

RM RUSSELL. 3400 acres. For more details please go check out our website at www.hcventures.ca Regina, SK.

PASTURES
6136

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

ACREAGES
6139



RETREAT/ACREAGE- 4 acres, Barrier Valley/ Archerwill, SK. 2200 sq. ft. home, exc. value, \$229,900. Mary Ellen Lebrash, Re/Max Saskatoon, call 306-231-7755, Humboldt, SK. or melabrash@sasktel.net Info./photos: www.remax.ca -Archerwill.

We know that farming is enough of a gamble so if you want to sell it fast place your ad in the Manitoba Co-operator classifieds. It's a Sure Thing. Call our toll-free number today. We have friendly staff ready to help. 1-800-782-0794.

RENTAL/ACCOMODATIONS

VACATION ACCOMMODATIONS 6245

RENTAL: REGINA, SK. Dec.27-Mar.9. Like new bungalow w/garage. Utilities and snow removal included. 306-585-6382.

SCALES
6380

ELIAS SCALES MFG., several different ways to weigh bales and livestock; Platform scales for industrial use as well, non-electric, no balances or cables (no weigh like it). Shipping arranged. 306-445-2111, North Battleford, SK. www.eliascales.com

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NOTICE TO SEED ADVERTISERS

The Seeds Regulations prohibit the advertisement or sale of common seed of the major crop kinds by variety name. A variety name may only be applied to pedigreed seed that has been grown, processed, sampled, tested and graded as set out in the Seeds Regulations. Furthermore, seed of unregistered varieties of the crop kinds subject to variety registration may not be sold in Canada even when labelled as common seed.

For more information contact the Canadian Food Inspection Agency, Seed Section at: seedsemenae@inspection.gc.ca or phone 1-800-442-2342

CEREAL SEEDS

BARLEY
6404

TOP QUALITY CERTIFIED #1 CDC Cope-land, AC Metcalfe, Newdale. Frederick Seeds, 306-287-3977, Watson, SK.

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6406

CERTIFIED CONVENTIONAL CM440 grazing corn. Early maturing, leafier for increased grazing yield. No planter required. Swath or stand graze cattle, sheep, bison and for wildlife food plots. CanaMaize Seed Inc., call 1-877-262-4046. www.canamaize.com

OATS
6410

EXCELLENT QUALITY CERTIFIED #1 CS Camden, Summit, CDC Minstrel, CDC Rufian, CDC Orrin, Frederick Seeds, 306-287-3977, Watson, SK.

WHEAT
6419

CERTIFIED AAC BRANDON, AAC Jatharia Grant, Greenshields Seeds, 306-746-7336, 306-524-4339, Semans, SK.

EXCELLENT QUALITY CERTIFIED #1 Cardale, CDC Utmost, CDC Plentiful Muchmore, AAC Elie, AAC Connerly, AAC Brandon, Elgin ND, Frederick Seeds, 306-287-3977, Watson, SK.

FORAGE SEEDS

ALFALFA
6425

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PULSE CROPS

LENTIL
6455

CERTIFIED CDC MARBLE, dark speckled lentils. Call Grant, Greenshields Seeds, 306-746-7336, 306-524-4339, Semans, SK

CERT. #1 CDC IMPULSE CL red lentil. Highest yielding Clearfield red lentil. Call 306-465-2525, 306-861-5679 Hansen Seeds, Yellow Grass SK. jsh2@sasktel.net

PEAS
6458

CERTIFIED CDC AMARILLO, CDC Lime-rick, CDC Greenwater, CDC Mosaic. Call Grant, Greenshields Seeds, 306-746-7336, 306-524-4339, Semans, SK

SPECIALTY CROPS

CANARY SEEDS
6464

CERTIFIED CDC CALVI. Phone Grant at Greenshields Seeds, 306-746-7336, 306-524-4339, Semans, SK

MUSTARD
6467

BESCO GRAIN LTD. Buying all varieties of mustard. Also canary and some other specialty crops. 204-745-3662, Brunkild, MB

MUSTARD SEED! We can supply you with new cert. treated or untreated seed. We can upgrade your low grade mustard. Ackerman Ag Services, 306-638-2282, Chamberlain, SK.

Prairiesky maps

Instructions : Hold the sky map over your head with the top of the map facing north.

Venus is unmistakable as it hangs low in the southwest sky after sunset as the month begins and will continue to blaze during the Christmas period. A thin slice of the Moon has a visit during dusk on the 2nd and 3rd. As dusk gives way to darkness look for the distinctive reddish colour of Mars low in the southern sky. On the nights of the 4th and 5th the narrow Moon will have close encounters with The Red Planet. The Full "Cold" Moon on the 13th is the last of three Supermoons for 2016 and it may look slightly brighter and larger than usual. The first day of winter in the Northern Hemisphere is on the 21st and is the day with the fewest hours of sunlight during the whole year. Jupiter, the largest planet in the solar system, will be the brightest object in the southeast predawn skies. As morning twilight is beginning on the 22nd a broad crescent Moon creates an interesting celestial trio with Jupiter and bright white star Spica.

Jeffrey Britton

DECEMBER 2016

Sky map shows how the night sky looks

Early Dec. 9 P.M

Late Dec. 8 P.M

COMMON SEED

CEREAL SEEDS
6482

0,000 BU. FALL RYE, high falling number. Phone 306-283-4747, 306-291-9395, angham, SK.

ORAGE SEEDS
6485

OP QUALITY ALFALFA, variety of grasses and custom blends, farmer to farmer. Gary Waterhouse 306-874-5684, Naicam, SK.

BUYING: ALFALFA SEED and all types of rass seed. Call Gary at Waterhouse eeds, 306-874-5684, Naicam, SK.

PULSE CROPS
6494

IORCAN restores grain farm profitability. uy from Norcan and keep your own Gly- hosphate 1 soybean seed. Norcan farm- rs have reported yields over 60 bu./acre. all/text Nate, 204-280-1202 or Norcan eeds 204-372-6552, Fisher Branch, MB.

ILY SOYBEAN SEED, early, mid, and long eason available. Top yield, bulk or aged. Keep your own seeds with the onvenience of Glyphosate! No contracts r TUA's. Dealers wanted. Call/text Nate, 04-280-1202 or Norcan Seeds 04-372-6552, Fisher Branch, MB.

arming is enough of a gamble, advertise in e Manitoba Co-operator classified section. 's a sure thing. 1-800-782-0794.

FEED MISCELLANEOUS

FEED GRAIN
6505

ATTENTION

WANTED HEATED CANOLA. No broker involved. Sell direct to crushing plant. ash on delivery or pickup. 306-228-7306 r 306-228-7325, Unity, SK.

SEED-EX Inc.

WE BUY:

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FEED GRAIN
6505

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- ✓ LICENSED AND BONDED

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1-204-867-8163

ATTENTION

NUVISION COMMODITIES is currently purchasing feed barley, wheat, peas and milling oats. 204-758-3401, St. Jean, MB.

WANTED: TOUGH OR LIGHT feed grain to trade for bred cows. Herd reduction. Call 306-432-4803, Lipton, SK.

CREEP FEED RATION, oats and barley mix, 10,000 bu., very clean, no weeds. 306-642-5812, 306-642-8344, Scout Lake

FEED GRAIN
6505

WANTED: FEED GRAIN, barley, wheat, peas, green or damaged canola. Phone Gary 306-823-4493, Neilburg, SK.

WANTED: FEED BARLEY Buffalo Plains Cattle Company is looking to purchase barley. For pricing and delivery dates, call Kristen 306-624-2381, Bethune, SK.

WANTED: OFF-GRADE PULSES, oil seeds and cereals. All organic cereals and specialty crops. Prairie Wide Grain, Saskatoon, SK., 306-230-8101, 306-716-2297.

HAY/STRAW
6510

ROUND ALFALFA/ALFALFA GRASS solid core greenfeed 5x6 JD hay bales for sale. Call 306-237-4582, Perdue, SK.

HAY MIXTURE Timothy Alsic Clover Orchard grass, 200 bales, 1000 lbs. plus, baled at the right time, no rain, \$25.00 per bale. Also have the same hay baled later, no rain. Phone evenings ask for John 204-425-3312, Vita, MB.

HORSE OR DAIRY HAY, alfalfa, Timothy, brome, 1st and 2nd cut, med. sq., stored inside. Test and delivery available. Ph/text 204-771-7496, 204-738-2183, Petersfield.

100 LARGE ROUND bales, Timothy and alfalfa, approx 1400 lbs, very good quality, shedded. Call 204-886-2960, Teulon, MB.

2015 1st & 2nd cut, 2016 1st cut alfalfa/ grass round bales, price negotiable. Will load. 204-265-3349, Beausejour, MB.

38 ROUND HAY BALES 1st cut alfalfa mix, \$35 each. 9 round bales 2nd cut pure alfalfa, \$40 each. Phone 204-882-2356, Ste Agathe, MB.

ROUND AND SQUARE hay and alfalfa dairy and beef quality. Delivered in semi loads. ph/text 306-408-0038, Moosomin, SK.

APPROX. 200- 1st cut alfalfa/grass round bales suitable for beef cattle. Also approx. 70- 3rd cut 2015 alfalfa/grass round bales, shedded. All bales netwrapped. Will load. 204-799-8130, 204-837-9750, Headingley.

1000 ROUND 5x6 bales. Grass/legume grass, unthreshed barley and straw. Excellent to average quality. Priced accordingly. Contact Ed 306-563-6261, Gorlitz, SK.

8000 SMALL SQUARE alfalfa/grass mix bales, no rain, 60-70 lbs., \$5/bale; 30 round green oat bales, 1200 lbs., \$50/bale. Call 306-421-6310, Arcola, SK.

ROUND NET WRAPPED Alfalfa/Brome bales. No rain. Approx 1500 lbs., 4c/lb. 306-482-7492, Carnarvon, SK.

TOP QUALITY HAY for sale, shedded, can deliver, 306-501-9204 ask for Paul. Belle Plain Colony, Belle Plain, SK.

ALFALFA BROME and crested wheat hay big round bales, \$50 each. Phone Brian 306-531-3382, Craven, SK.

LONG LAKE TRUCKING, two units, custom hay hauling. Call 306-567-7100, Imperial, SK.

CUSTOM BALE HAULING. Will haul large squares or round. Phone 306-567-7199, Kenaston, SK.

ROUND ALFALFA/ GRASS MIXED and green feed, hard core, 5x6. 306-736-2445 or 306-577-7351, Kipling, SK.

HAY/STRAW
6510

GREEN FEED OAT bales, 1500 lbs., \$50/bale; Oat straw bales, \$20/bale. 306-699-7150, McLean, SK.

ROUND ALFALFA BALES, approx. 1300 lbs. for sale. 306-799-4305, Briercrest, SK.



SHAVINGS: Cattle Feedlot/horse/poultry bedding. Bulk pricing and delivery available. Vermette Wood Preservers, Spruce Home, SK. 1-800-667-0094. Email info@vwpltd.com View www.vwpltd.com

GOOD QUALITY HAY put up dry without rain. 400 big square bales, 3x4x8. 306-364-4700, 306-320-1041, Leroy, SK.

500 GOOD TO EXCELLENT 1st cut 1500 lb. brome/alfalfa netwrapped round bales, 3.5c/lbs.; 800 exc. 2nd cut 1500 lbs., .5c/lbs. 306-834-7204, Kerrobert, SK.

2250 BALES: alfalfa, alfalfa grass, slough hay, little to no rain, netwrapped. Baled w/JD 569, 1175-1300 lbs., 3c-5c lb., volume discount. Call 306-867-7716, 306-867-8249, Outlook, SK.

ROUND BALE PICKING and hauling, small or large loads. Travel anywhere. Also hay for sale. 306-382-0785, Vanscoy, SK.

280 FIRST CUT alfalfa mix, 70% alfalfa, 30% mix grass, avg. 1450 lbs, \$52.50/bale or \$75/ton; 600 greenfeed barley alfalfa mix, avg. 1550 lbs., no rain, \$57.50/bale or \$75/ton; 238 2nd cut alfalfa, avg. 1650 lbs, no rain, \$82.50/bale or \$100/ton. Call Dwayne at 306-662-8532, Fox Valley, SK.

400 BROME/ALFALFA 6x6 round hay bales, .04c per lb., no rain. 306-634-7920, 306-421-1753, Estevan, SK.

HAY BALES ROUND mixed 5x5, hard core, no rain, net wrapped, horse quality, \$100/bale. Near Regina, SK 306-539-6123

260 ALFALFA AND OAT bales, weighing 1300 lbs., asking 5c/lb. 306-280-8994, Hanley, SK.

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6540

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204-373-2328

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7050

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4 WINTER GOODYEAR 22.5-65x17 tires with wheels and hub caps, like new cond., fits Ford or Dodge car, \$500 OBO. 204-827-2162, Glenboro, MB.

WELL BELOW REPLACEMENT COST New tractor tires. 12- 520/85 R46 Titan \$1495 each; 9- 16.9 R28 Firestone, \$732 each; 2- 900/60 R32 Goodyear, \$2761 each; 7- 14.9 R28 Goodyear, \$783 ea; 4- 16.9 R26 Goodyear, \$1002 each; 4- 16.9R26 Firestone, \$774 each; 1- 320/85 R34 Goodyear, \$755; 2 - 380/90 R46 Firestone, \$1096 ea; 2-380/85 R30 Goodyear, \$924 each; 2- 14.9 R28 Firestone \$915 each; 1- 14Lx16.1 SL F2M. 10P \$1150; 1- 11 x 16 SL F2M 12P \$845. New tractor tires mounted on wheels. 4 - 16.9 R28 Firestone, \$1003 ea; 8- 650/65 R42 Michelin, \$3529 each; 2- 11x16 SL F2M Firestone, \$671 each; 36- 18.4 R42 FS, \$1664 each; 4- 18.4R42 Goodyear, \$1521 each. 204-339-2982 or cell 204-226-8794, West St. Paul MB. Email: rubyandralph@shaw.ca Attn. Bob

GOOD USED TRUCK TIRES: 700/8.25/900/1000/1100x20s; 11R22.5/11R24.5; 9R17.5, matched sets available. Pricing from \$90. K&L Equipment and Auto. Ph Ladimer, 306-795-7779, Ituna, SK; Chris at 306-537-2027, Regina, SK.

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FARM/RANCH
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HELP WANTED ON mixed farm. Must be experienced handling livestock, must have valid license, Class 1 an asset. Competitive wages based on experience (\$14 and up) Yellow Rose Farms. 204-535-2272, Baldur, MB. E-mail: rcg@xplornet.ca

FARM LABOURER REQUIRED for livestock operation. Duties include: operating, maintaining seeding & harvesting equip. Smoke free enviro., \$17/hr. Housing avail. Lyle Lumax, 204-525-2263, Swan River, MB.

LARGE YEARLING COW/Calf Operation has available a full-time position including family home. Qualifications include: A background in herd health, operation and maintenance of modern equipment, Class 1 and welding experience an asset. Wages and benefits negotiable. Horses not needed. Scott, 306-536-2157, Indian Head, SK.

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