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TB IN ALBERTA | CATTLE DISEASE COULD HIT PRODUCERS HARD P3



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Glen Entz has some ride-alongs with him as he combines a canola field east of the MacMillan Hutterite Colony west of Cayley, Alta., Oct. 21. | MIKE STURK PHOTO

ROUNDTABLE

Farm groups stand united on keeping revenue cap

BY BRIAN CROSS
SASKATOON NEWSROOM

Prairie farm groups delivered a unified message to federal transport minister Marc Garneau last week, telling him that maximum revenue entitlements (MREs) for railways must be retained in order to keep grain shipping costs in check.

"It's hugely important," said Lynn Jacobson, president of the Alberta Federation of Agriculture.

"We need to get it right."

The AFA was one of 18 farm groups that met with Garneau and federal agriculture minister Lawrence MacAulay in Saskatoon Oct. 20.

The meeting was one of the last consultations in the Canada Transportation Act review process, which began more than two years ago.

In late 2015, it produced a 286-page report prepared by former cabinet minister David Emerson.

Emerson's report dealt with all aspects of Canada's transportation portfolio, including freight rail, passenger rail, air travel and marine transport.

SEE RAIL REVENUES, PAGE 5 >>

PROGRAM PAYMENTS

Unharvested grain throws wrench in cash-advance plan

APAS calls on federal government to change rules for program to help farmers pay bills

BY SEAN PRATT
SASKATOON NEWSROOM

Jeremy Welter usually relies on fall cash advances to pay his bills and provide him with the flexibility to market his crops when he wants.

That won't happen this fall because the cash-advance program requires his grain to be in the bin for collateral.

Unfortunately, two-thirds of his crop was still in the field as of Oct. 21 and there was little hope of getting it harvested before the snow flies.

That is creating a serious financial conundrum for the farmer from Kerrobert, Sask.

"As of right now, I still have my entire spring cash advance as well as all my input loans and various other bills that are of course sitting there waiting," said Welter.

He still has 1,000 acres of canola, 850 acres of malting barley and 130 acres of spring wheat remaining to be harvested.

And it doesn't appear likely that he will be firing up the swather any time soon. His barley crop is flattened and even if he could get equipment onto his waterlogged fields, the grain is too wet to harvest.

"Barley when it's dry, it's supposed to be fairly hard. You have to chew on it to crack the kernel,"

said Welter.

"This stuff I could squish between my fingers. It was like sand. It was soft like dough, almost."

He worries about the kind of yield loss and quality degradation he will be seeing in his barley and canola crops by the time he is able to get back into the field.

In the meantime, he looks out his window and wonders how he is going to pay his bills.

"It is definitely a very, very large concern for me, obviously, but not just for me, for producers all over the place," said Welter.

"I sincerely hope it doesn't come to this, but bankruptcy for

some guys might be the only solution."

The Agricultural Producers Association of Saskatchewan has received a number of calls from producers in the same situation.

It wants the federal government to change the rules of the cash advance program to allow farmers to receive advances on the crop that remains in the field.

"To get a cash advance you need crop insurance, so crop insurance could get involved in verifying acres and yields that were in the field," said APAS president Norm Hall.

SEE WRENCH IN PLAN, PAGE 4 >>



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On the Farm: This Ontario family is proud to put food on people's tables. See page 43. | SHARON GROSE PHOTO

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FEATURES



OILSEED PRESS PHOTOS
Why would you grow a cash crop like soybeans and then buy back expensive soybean meal for your dairy cows?



'HARVEST FROM HELL'
Too much rain and early snow destroy hopes for what looked to be a promising yield in Alberta's Peace River region. How are things in your neck of the woods?



NO GM INGREDIENTS POLL
A U.S. food manufacturer is switching to non-GM ingredients for its yogurt due to consumer demand. The move has angered several U.S. farm groups — what do you think?

VIDEOS

BEET HARVEST
The 28,000-acre southern Alberta sugar beet harvest is nearing completion.



OILSEED PRESS
Jasmin Hofer's family has developed a press to collect both the oil and the meal.



PLUS: The #harvest16 photo contest closes Oct. 31. Send your photos to readerphotos@producer.com to enter.

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DISEASE

TB case jolts southern Alta. beef producers

Quarantine imposed on several ranches, which typically sell calves after weaning and aren't set up to feed them

BY BARB GLEN
& BARBARA DUCKWORTH
LETHBRIDGE, CALGARY BUREAUS

Ranchers in the Jenner and Suffield regions of southeastern Alberta are reeling after a quarantine was imposed when one cow tested positive for tuberculosis.

TB must be reported by law in Canada and the Canadian Food Inspection Agency has imposed quarantine on an unknown number of cattle in at least two community pastures in the Jenner region of southeastern Alberta.

Since cattle from several ranches commingle in such pastures, the quarantine affects numerous ranchers, though the exact number has not been confirmed.

"I've never seen despair like that in my life," said Alberta Beef Producers chair Bob Lowe, who attended a meeting with ranchers and CFIA officials last week.

"They're still trying to joke about it, but they're looking at quite a few thousand calves, I suspect, that really have no home."

Typically, ranchers in that area sell calves at weaning. They have no facilities for feeding calves or any feed to provide.

"Nobody's set up to feed calves," said Lowe.

"Their income for the year is in quarantine, so they can't sell for income so they can't even buy feed to feed the calves. It can be pretty bad. We're kind of talking to governments (to see) if there is any program or some sort of money or loan to get to these guys so they can at least buy feed for their calves."

At least some of those affected pre-sold their calves at a September electronic auction, Lowe added. Now they can't deliver on their contracts and in the meantime, the price has fallen by about 25 cents per pound.

Lowe said the CFIA has tested the index herd and as of Oct. 24 had started to test the rest of the cattle from the same community pastures. A blood test and a scratch test are being done, which are considered 80 and 70 percent accurate, respectively.

Any positive reactors to the test will be slaughtered and the lungs cultured to get a definitive diagnosis. Positive animals' herd mates, and all those in the index herd, will be slaughtered, said Lowe.

The CFIA did not respond to queries by press time.

TB is not a disease that results in international border closures to trade, and cases in one small area of the country are not significant in the larger scope of Canadian cattle trade.

"But for those guys out at Suffield, it is a huge, huge, huge threat."

Lowe said a small CFIA crew is doing the tests but the process should be expedited.

"In my own personal opinion, there shouldn't be a vet in Alberta that's not testing cattle in Jenner right now, just to get this done and over with."

"What CFIA has to understand is that there's a whole industry out there that's in limbo and they need to have the answers fast. I'll be quite blunt. Bureaucratic paper pushing is not going to be acceptable. This has to happen and it has to happen fast."

Lowe said it took six weeks for the CFIA to test the index herd after one cow tested positive for TB after being shipped to the United States.

"That's just unacceptable. I know there's protocols and I know there's procedures and I know there's been cutbacks. But let's go, let's do it."

The affected region is home to a herd of about 7,000 wild elk that roam around the Suffield military base and its environs. That has raised the question as to whether elk were the source of the TB case.

ABP wants answers to that question.

"We don't know what the source of the disease was, but we want a thorough investigation of the disease

and it seems reasonable that the investigation will certainly involve wildlife," said ABP executive director Rich Smith.

"This is the worst possible time of year for producers to have their cattle held. A lot of the producers out there have their cattle booked to go to sales already."

ABP has registered its concern with government over the expanding elk herd at Suffield, as well as wildlife at Wood Buffalo National Park in the northern region, because of disease risk they present.

The Suffield elk herd of about 250 was moved there in 1997-98 to graze the natural areas, replacing wild horses that once roamed the military base. The elk were free of disease at the time but as the population expanded, area ranchers have complained about wildlife moving into feed supplies and destroying fences.

Compensation is available if the CFIA orders animals destroyed. Other assistance may be possible through other government programs.

Registered cattle may be covered up to \$10,000 and commercial cattle up to \$4,500.

Alberta's last case was 2007. British Columbia had an incident in 2011.

The B.C. case was in the Lumby area and six cattle were diagnosed

with TB but the source of the disease was never confirmed, said Kevin Boon, manager of the B.C. Cattlemen's Association.

Quarantines were established and the herd of more than 200 was destroyed.

The quarantine led to hardship for producers who could not move their cattle to pasture or market.

"It was in the spring and calving time and people were not able to get out on range. Where the financial burden came in is they were running out of feed and could not get them out because they had to keep in them in quarantine and close to home."

It was also an emotionally taxing time because pregnant cows and calves had to be destroyed.

The CFIA website says TB-infected wildlife is not common in North America, but bovine TB has become established in elk, white-tailed deer and bison in specific geographic areas.

In Canada, the disease has been found in wood bison in and near Wood Buffalo National Park and the elk and deer of southwestern Manitoba in and around Riding Mountain National Park.

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WEATHER

Harvesting in November? This might be your weather

BY BRIAN CROSS
SASKATOON NEWSROOM

Saskatchewan farmers with unharvested crops and bins full of tough grain will be watching the forecast closely this week, hoping the weatherman deals up some above-average weather.

But what does above-average weather look like in late October and early November? And if it does happen, how much will it help producers?

Virginia Wittrock, a climate research specialist with the Saskatchewan Research Council in Saskatoon, described November as a typical shoulder season.

Average daily temperatures can be expected to decline gradually over the course of the month, but extreme outliers — meaning well-above and well-below average temperatures — are common.

"It's one of those stereotypical shoulder months," Wittrock said.

"It's one of those ones where temperatures swing, where it can be really, really warm or really, really cold."

Wittrock manages data collected at an SRC weather station in Saskatoon.

Station data collected since 1963 suggests that average daytime high temperatures at the start of November are typically around 3 C in central Saskatchewan while average daytime lows are typically around -5 C.

However, average daytime highs drop to around -4 C by the end of the month and average daytime lows fall to -12.5 C.

Precipitation levels can be variable. It occurs eight or nine days out of 30 in a typical November in Saskatoon with average monthly accumulations around 16 millimetres, Wittrock said.

Growers who are hoping for a repeat of November 2009 are likely to be disappointed, she added.

In 2009, a significant proportion of Saskatchewan's grain and oilseed crop was still in the field as of Oct. 31, but mild dry, weather throughout the month allowed many growers to finish combining before the onset of winter.

According to SRC data, November of 2009 was far from typical.

In fact, it was the driest November ever recorded in Saskatoon, at least since SRC began collecting data 52 years ago.

Total monthly precipitation that year was .4 mm, or roughly 2.5 percent of normal.

Wittrock said weather conditions observed so far this year are similar to those observed in 2010, at least in terms of seasonal precipitation.

Both 2010 and 2016 started out relatively dry, but precipitation increased during the growing season and continued throughout the harvest period.

In November 2010, the highest temperature recorded was 16.1 C Nov. 5, while the lowest temperature recorded was -26.4 C Nov. 25.

Precipitation was recorded on 13 days in November 2010 with total monthly accumulations of 28.2 mm.

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A BIRD'S EYE VIEW OF A BUSY, BUSY DAY



John Raine, during his 49th harvest, checks the level of the milling oats in the cart on the farm near Wilcox, Sask. Unrelenting rain in the region has left fields too wet to harvest and farmyards too soft to ship grain. The oats, destined for Manitoba, are being loaded on the nearby grid road. | MICHAEL RAINE PHOTO

WRENCH IN ADVANCE PLAN

» CONTINUED FROM PAGE 1

APAS also wants Ottawa to increase the limit on the cash-advance program to \$500,000 from \$400,000 with \$150,000 of that being interest free instead of \$100,000.

“As farms get larger, we’ve been asking for that (limit) to be increased, and this is the perfect opportunity,” said Hall.

“Guys that aren’t going to get the crop off are going to need that cash influx just to pay the bills.”

Federal Agriculture Minister Lawrence MacAulay was contacted for this story but did not respond in time to meet production deadlines.

Dave Gallant, director of operations with the Canadian Canola Growers Association, which administers \$1.3 billion of the \$2.1 billion in cash advances that were distributed in 2015, said the limit hasn’t been changed in a decade.

“We hear from farmers all the time about the need to increase limits,” he said.

Farms have increased in size since 2006 and the cost of production has gone up. That is why the association has been calling for a doubling of the limit to \$800,000 since 2014. It is not requesting any change to the interest-free portion of the loan.

Gallant said the cash advance program is popular with farmers because they use it to pay their bills and are able to hold off on marketing their crops in the fall when prices are depressed.

The program has been growing every year since 2012, and this year is no exception. Farmers have requested about \$50 to \$60 million more than this time last year.

The loan rate on the cash advance is unbeatable.

“It gives the farmers a weighted average cost of around two percent for his first \$400,000 operating loan,” he said. “Many farmers probably can’t walk into the bank and get that kind of a rate, especially younger farmers.”

Gallant believes the federal agriculture minister has the ability to increase the cash advance limit without having to draft legislation.

He said the logical time to implement such a change would be for the 2017 program.

In the meantime, growers who took out spring advances have until Dec. 31 to report to the association that they have harvested that crop.

It presents a problem for growers who still have crop in the field. They need to get extensions on their crop insurance or else they will be in default on the cash advance.

Farmers who are in default will be charged a penalty of prime plus one percent back to the day the advance was issued and prime plus three percent going forward until it is repaid in full.

Gallant said the association has been in constant contact with provincial crop insurers and is aware there could be some delays getting those extensions in place due to the large volume of farmers that will be seeking the extensions.

Welter hopes he won’t be one of those guys. He was busy cleaning off his swather last week.

“Optimistically I’m cleaning it off so that it’s ready to use when we get back out in the field. Pessimistically, I’m cleaning it off so that it’s ready for storage (until) next spring,” he said.

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Bill Chemerinski brought a load of peas mixed with barley to the seed cleaning co-op in High Prairie, Alta., Oct. 18, the result of an employee’s misadventure in mixing. He said a lot of crop remains in fields and wonders if remaining fall weather will allow it to be harvested. | BARB GLEN PHOTO

HARVEST IN PEACE COUNTRY

Peace region’s ‘harvest from hell’

Too much rain and early snow destroys hopes for what looked to be a promising yield

BY BARB GLEN
LETHBRIDGE BUREAU

HIGH PRAIRIE, Alta. — Fields are far from bare in Alberta’s Peace River region, and hopes are low that crops that remain in the fields, both in swath and standing, will be harvested this year.

Rainfall amounts vary, but much of the region saw up to and even exceeded 70 millimetres of rain in September and October, while snow in the first week of October added insult to injury against what were once promising yields.

“It was the harvest from hell — still is,” said Nora Paulovich, who farms with her family near North Star, Alta., and manages the North Peace Applied Research Association.

Her family has one quarter of canola still in the field that as of Oct. 21 was under a dusting of snow and sitting in fields soggy from earlier rain.

“There’s ample feed. The quality might not be there, as it is across the province. Now, it’s to get it in,” said Paulovich.

Rod Marx, a third generation

farmer who farms about 2,000 acres near High Prairie, still has about 90 acres of crop left to harvest.

“Those 90 acres were flooded out,” he said Oct. 18.

He planted peas for the first time this year, as did many farmers in response to good prices for the crop.

“It was a nightmare,” he said about pea harvest.

Heavy rainfall flattened the crop, and it took him five days and two combines to harvest 280 acres.

Tanner Pollack, a High Prairie-based consultant with Agri-Trend, said many acres are left unharvested in the region, so there is little activity in terms of fall fertilizing and soil testing.

One of the best hopes last week was that the snow would melt and then a hard frost would allow equipment to get back into fields without getting stuck. However, forecasts for this week and next make that a remote possibility.

Sprouted cereals and weedy canola have generated more business at the High Prairie Seed Cleaning Co-op, said plant manager Bryant Kushner.

The plant has one of the few

colour-sorting machines in the region, which allows it to clean sprouted or rotting grain from a larger batch and possibly enable growers to receive a higher grade.

Kushner said the plant doesn’t usually clean much canola seed, but this year is proving an exception.

“The crop that’s out basically is probably 99 percent canola and we don’t clean any canola here unless ... this year there was a lot of disasters on account of the wet,” he said.

“When the canola dies, weed seeds grow up, so we’ve got batches of canola done that we usually don’t clean, but at 45 percent dockage, the elevator won’t buy it. So they bring it here.

“We’ll clean it out and get rid of the screenings for him. He takes the good stuff and sells it. Otherwise, you can’t market it. We’re doing all kinds of stuff this year that normally we wouldn’t do, so it potentially could be a huge year for us.”

Heather Kerschbaumer of Golden Acre Seeds near Fairview said the season has not been kind for seed growers.

“In this area, I would say we

probably have maybe 25 percent of the alfalfa and clover seed done — or less, maybe. Most people were doing their cereals. They were trying to get their wheat and canola off,” she said.

“There’s actually guys up here that have some empty bins because they just bagged it. They didn’t take the time to haul it back.... They were just trying to go as fast as they could.”

Kerschbaumer said most forage seed growers in the area managed to finish harvest, but a lot of clover and alfalfa seed is still in the field.

The bright spots in northern Alberta are the La Crete, High Level and Fort Vermilion areas, which avoided much of the fall rain and have mostly completed harvest.

As of Oct. 18, Alberta Agriculture estimated that about 21 percent of crops in the Peace region were still standing or in swath.

Provincially, the department said crop quality continues to deteriorate because of the wet harvest season.

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TRADE

Canada-European trade deal in jeopardy

Some Canadian ag groups hopeful that the Comprehensive Economic and Trade Agreement can still be salvaged

BY ED WHITE
WINNIPEG BUREAU

The Canada-European Union free-trade deal is twisting in the wind, and analysts aren't sure if it will survive.

However, Canada's export-oriented agriculture industries are hoping the threatened deal can somehow still come into force.

"We're hoping cooler heads will figure this out," said Andrew Dickson, general manager of the Manitoba Pork Council. "It's a high-value market, so the potential for reasonable profits was pretty good."

Exports of pork, beef, crops and processed food all stood to gain from the deal with tariff-free limits being raised for some and free access offered for others.

The biggest gain for many exporters and farmers was the de-politicization of technical disputes once the deal came into force.

European politicians can now get involved in reviews and regulatory actions, which can effectively shut down trade. However, the free-trade deal would see issues dealt with first by regulatory authorities.

The deal wasn't embraced by all sectors of the Canadian industry. Dairy farmers were worried by a deal that would boost quotas for European cheese allowed tariff-free into Canada.

The deal might never be approved.

Leaders of a regional parliament in Belgium said Oct. 24 they couldn't give it their consent, which the Belgian government has said it requires before it will consider approving the deal. All 28 members of the EU need to approve the deal order for it to become law, the EU has said.



GETTY ILLUSTRATION

However, Oct. 24 wasn't a drop-dead deadline. The deal remains alive, but approval isn't likely to happen before a planned trip by Prime Minister Justin Trudeau to Brussels on Oct. 27 to celebrate its basic approval. That trip might not occur.

European credibility would take a hit if the Canada deal fails because no other deal is likely to be as inoffensive to European consumers and interests.

"If the Europeans can't do something with Canada, that's one of them in a sense... how are they ever going to negotiate something with anybody else," Dickson said.

Economist Al Mussell of Agri-

Food Economic Systems in Guelph, Ont., thought the same.

"If this thing splutters... who is going to dare to partner with the EU?" he said.

Mussell said anti-trade sentiment has been growing around the world, making the outlook dire for other deals, too.

"You have to think that (the Trans-Pacific Partnership) is a bit of a long shot at this point," he said.

Dalhousie University food industry economist Sylvain Charlebois looked at the Canada-EU mess and took the approach of "when one door closes, another door opens."

"While Canada was signing a deal

to benefit itself, Europe went along with the intent of not jeopardizing its reputation around the world," he wrote in a commentary.

"If that doesn't work, the U.K. may be a decent consolation prize from an agricultural trade perspective."

Other analysts have also noted that a United Kingdom no longer part of the EU might be easier to get a trade deal with than the EU, or almost anywhere else. Canadian trade with the U.K. is almost as important as its trade with the other 27 members of the EU.

The U.K. is also more supportive of trade than most of the rest of the EU, and has been seen as the driving

force behind the Canada-EU deal. If the EU deal fails, it might be time to start working on a bilateral deal.

"I think that's one of the things you'd do immediately," said Mussell. "Could we make this work for the U.K.? A lot of our existing trade with the EU is with the U.K."

Dickson joked that Canada needs to launch a "Bacon for Britain" program to reclaim some of the market Canada has lost to EU competitors such as Denmark.

"Canada used to be a major supplier of pork products, particularly bacon, in the 1950s, into Britain," he said.

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RAIL REVENUE ENTITLEMENTS

» CONTINUED FROM PAGE 1

It contained 60 recommendations, including 15 that dealt with freight by rail and four that dealt specifically with grain movement.

Among those recommendations was a proposal to modernize maximum revenue entitlements immediately and eliminate them within seven years in an effort to ensure a more "commercially grounded" railway transportation system.

The report also suggested that Ottawa take steps to expand protections for producer car shippers and that it review the methods used to calculate railway interswitching rates.

Agriculture leaders who attended the Oct. 20 meeting said eliminating MREs could have costly consequences for prairie farmers.

Farm leaders said MREs, also known as railway revenue caps, are the only regulatory measure that protects grain producers and ship-

pers from a "monopolistic situation" that exists in Western Canada, where the vast majority of prairie grain delivery points are served by only one railway company.

"The MRE... the way our organization sees it, is the only check we have on monopolistic behaviour," said Jacobson, who farms near Enchant, Alta.

"If there's no MRE, then they (railways) get to charge whatever they want."

Norm Hall, president of the Agricultural Producers Association of Saskatchewan, said recent studies and articles suggest that eliminating MREs could result in grain freight rate increases of 25 to 30 percent, which would be borne by bulk shippers and passed down to producers.

Hall said a freight rate increase of that magnitude would boost average Saskatchewan freight rates by roughly \$10 a tonne and would add

as much as \$15 per acre or more to farm production costs.

He also called for a full railway costing review to show how much Canada's Class 1 railway companies are currently spending to transport prairie grain to market.

Garneau declined to say when Ottawa would begin to make decisions on recommendations made in the Emerson report.

"We're looking at those recommendations... so stand by and in the coming months, you're going to start to hear (more)," he told reporters.

Garneau didn't tip his hand when asked about balancing the commercial interests of farmers against the commercial interests of railway companies.

"One has to look at the whole picture when you're looking at something like maximum revenue entitlements, and that's what we're going to do," he said.

"We've heard arguments in relation to maximum revenue entitlements, and we have to weigh all of that in the balance and take the best course of action.

"The solution that we are looking for is ones that moves grain but also moves potash and coal and oil and lumber and containers when there's high demand."

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Manitoba agriculture minister Ralph Eichler, left, Saskatchewan agriculture minister Lyle Stewart, federal agriculture minister Lawrence MacAulay and federal transport minister Marc Garneau talk about grain transportation at last week's roundtable meeting with farm groups in Saskatoon. | WILLIAM DEKAY PHOTO

MARKETS

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Argentina's farmers are expected to sow more corn this year, even as the potential rises for a drought-inducing La Nina. Current moisture conditions are good and a shift in taxes is favouring corn over soybeans. | REUTERS PHOTO

WEATHER

Pundits disagree on La Nina impacts

Market analyst expects La Nina will cut Argentina's corn crop, while weather expert downplays the system

BY SEAN PRATT
SASKATOON NEWSROOM

A well-known weather expert disagrees with analysts who are reducing South America's production prospects due to a looming La Nina event.

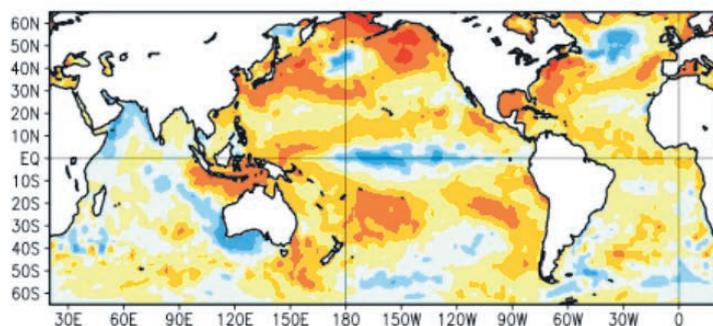
Reuters reports that one of its own analysts has decreased his estimate for Argentina's potential corn harvest by more than eight million tonnes.

That is because forecasters at the United States National Oceanic and Atmospheric Administration predict that the La Nina climate phenomenon will develop in late autumn or early winter.

"Adverse weather conditions of heat and dryness are usually associated with La Nina in Argentina. So we currently expect relatively low corn yields," Reuters' senior analyst Hong Xu was quoted in a Reuters story.

He forecasts 28.4 million tonnes of production, down from the potential of 37 million tonnes if conditions were favourable.

But Drew Lerner, president of World Weather Inc., said analysts should not bank on big La Nina-



This map from the NOAA Climate Prediction Center shows sea surface temperature anomalies from Sept. 25 to Oct. 22. The blue area in the central Pacific Ocean indicates cooling water temperatures and a trend toward a La Nina event. There is now about a 70 percent chance of a La Nina forming before the end of this year. La Ninas tend to deliver drier weather to Argentina and southern Brazil. | NOAA IMAGE

related yield losses this time around.

Forecasters originally called for a La Nina this spring. But the Pacific Ocean equatorial temperatures did not cool as quickly as forecast.

By summer, the computer models had backed off to neutral El Nino Southern Oscillation (ENSO) conditions.

Now they are forecasting a weak La Nina materializing this fall or

winter.

La Nina typically results in a drier bias for Argentina, Uruguay, southern Brazil and parts of Paraguay during the September through November period, when farmers are planting their summer crops.

That will not be the case this year due to the delayed onset of La Nina. "We have missed the boat for most of that negative influence to occur," said Lerner.

He noted that Argentina is in "really good shape" and conditions are turning the corner in southern Brazil, where Rio Grande do Sul just received a good rainfall and timely rain is in the forecast for Sao Paulo and Parana.

As South America shifts into its summer season in January and February, there is a tendency in La Nina years for central Brazil to receive above average rainfall while the drier bias will remain for southern Brazil and eastern Argentina.

"What's going to be different this year versus past La Nina events is that those past La Nina events already had dryness early in that September through November period in southern Brazil and eastern Argentina," said Lerner.

In addition, it is expected to be a weak La Nina, so he thinks it is premature to lower yield predictions.

"It's probably not going to be enough to cause a significant amount of dryness problems," he said.

Depending on how long La Nina lingers, it can bring dry conditions to the U.S. and portions of the Canadian Prairies.

Lerner said things could get inter-

esting if it lasts beyond winter into spring and summer.

"The U.S. could get very dry in the western corn belt," he said.

States such as Iowa, Minnesota and Wisconsin would suffer the most. That dryness could creep north into Manitoba and southeastern Saskatchewan.

It could also be parched in the southeast portion of the U.S. in the spring. That dryness would shift northwest as the summer unfolds.

"It's already very dry right now in parts of the Delta and interior southeastern states," said Lerner.

It is already dry in the hard red winter wheat producing region and is likely to stay that way during the La Nina winter.

While La Nina can cause dryness in North and South America, it typically delivers wet conditions to eastern Australia, Indonesia, Malaysia and India.

Lerner said by the time reporting agencies declare that La Nina has officially arrived its influence will be half over. He can already see signs of its influence around the world.

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TRADE

Benefits of freer trade buried by protectionist rhetoric

Trade deals have become politically unpopular because no one champions the benefits



BY ROBERT ARNASON
BRANDON BUREAU

JOE GLAUBER
ECONOMIST

These are hard times for free-traders. Both candidates for the United States presidency are threatening to rip up or renegotiate free trade deals and a tiny region of Belgium may effectively veto the Canada-European Union free trade agreement.

Joe Glauber, former U.S. Department of Agriculture chief economist, has sat through dozens of free trade negotiations during his 30 years in government.

He said protectionism and anti-trade rhetoric is nothing new, but the lack of voices now supporting free trade is worrisome.

"Economists and others should be doing a better job of promoting (free trade). You just don't see anyone articulating why trade is important. At least in the U.S. you don't," said Glauber, who spoke Oct. 21 in Winnipeg at Fields on Wheels, an annual conference on

grain transportation. "It's easy to pull the anecdotes about the costs of trade.... You can always interview the person who (lost) their job. (But) what about the consumers that have benefited from lower prices or more access (to products)?"

Glauber, in his speech and in a scrum with media, talked about the prospects for the Trans-Pacific Partnership (TPP), a trade deal between 12 countries including Canada. The U.S. Congress must ratify TPP, or the deal will die. However, American politicians are reluctant to support free trade because it may cost them votes in this fall's election or in the mid-term elections of 2018, Glauber said.

"TPP I think, as I mentioned, looks very doubtful," he said. "What you're not going to see, obviously, is a call for everyone to go back to Wellington (New Zealand) and renegotiate."

Glauber said it's unfortunate that few political leaders are promoting TPP or free trade because the advantages are obvious, particularly with something like food.

"Look at the variety we now have in our grocery stores... I think there are a lot of consumer benefits that are just taken for granted," he said. "That's probably for producers too. You're only aware of trade when there is a problem, when someone says we can't take that ... or they slap a tariff on."

Most North American farmers have voiced support for trade deals because pork, beef, grain and oilseed producers are highly dependent on exports.

"The potential of the CETA (Comprehensive Economic and Trade Agreement deal between Canada and the EU) is immense for Canadian beef producers," said Dan Darling, Canadian Cattlemen's Association president. "With the quota access provided by CETA, Canadian beef exports to Europe could grow to \$600 million a year from today's \$10 million."

Trade access to other countries will likely become more critical for Canadian farmers because future demand growth will come primarily from developing nations.

The potential rejection of TPP represents a huge loss for trade because the agreement could

evolve into something larger, Glauber said.

The TPP could be taken to the World Trade Organization (WTO) and become the basis for a broader agreement.

During his presentation in Winnipeg, Glauber shared stories from his 15 years of negotiations for the Doha Round at the WTO. The failure of the Doha Round forced many countries, including Canada, to pursue smaller, one-on-one trade deals with other nations.

Such bilateral agreements may be a natural response to the difficulties of global negotiations but they are not ideal. They create exclusive clubs of favoured nations, Glauber said.

"I think that leaves a lot of countries out in the cold. I'd like to see the door open to multi-lateralize.... If you want to join, great. Do what we do and you can join."

TPP may be doomed, but Glauber hasn't totally given up hope. The new U.S. administration after November's elections could push for a deal.

"In my view, I think a lot can be done to explain why (trade) is important.... Farmers in particular can be a very strong force."

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PRICE RALLIES

Feedgrain market a bright spot amid gloom

BY ED WHITE
WINNIPEG BUREAU

Farmers have found a nice surprise this awful harvest: a peppier than expected Alberta feedgrain market.

"If anything good happened from the snow, it's that the price has found something to stand on," said Jared Seitz of grain brokerage Agfinity. "I was surprised to see feed wheat rallying right along with feed barley last week."

Prices have rallied as buyers have become spooked by poor harvest conditions and the fact that farmers are too consumed with trying to take their crops off to make deliveries. Also, wet yards and muddy roads made deliveries difficult.

"A lot of buyers were scrambling, looking for barley and other feed grains that could load right away," said Seitz.

"There were quite a few buyers in the same position. They were battling it out for whatever grain was being offered for quick movement."

Prices in Brooks-Lethbridge were about \$170 per tonne for barley and \$185-\$195 for feed wheat.

High vomitoxin wheat, with up to 10 parts per million, was selling for an about \$25 per tonne discount.

Seitz said the feed market is getting a lot of downgraded wheat, but he thinks that might dry up when the elevator companies decide to hang on to the better crops they find.

"There's lots of quality grain being just flipped aside just for having less than one percent sprouted," said Seitz of a common Alberta problem. "There's lots of sprouted grain."

He thinks much of that sprouted grain can be salvaged, as long as it is otherwise good. But for heavily sprouted grain with other problems, it'll still end up as feed.

"If it is over one percent sprouted and has mildew damage, then that stuff is a pretty safe feed (assessment)," said Seitz.

Another problem is the high moisture content of much feed wheat. That needs to be dried before the feeders are comfortable with it, and that takes time, money and access to enough drying equipment.

Seitz said he wasn't sure that the higher prices for feed could survive entirely if farmers start making good harvest progress.

But the bottom of the fall feed market has been hit and passed.

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AG GROWTH INTERNATIONAL

MANITOBA

Sunflower industry hopes for recovery

New processing facility and strong demand for oilseed sunflowers in Manitoba good news for producers

BY ROBERT ARNASON
BRANDON BUREAU

Sunflowers are down but not out in Manitoba.

Seeded area fell to 66,000 acres this year, one of the smallest plantings in the last decade.

However, industry representatives are feeling hopeful about next year because more buyers are interested in Canadian sunflowers.

"We've had a couple of new organizations get into the business," said Troy Turner, agronomist with the National Sunflower Association of Canada.

"Delmar Commodities came on late in the spring and they are going to be buying oilseed (sunflowers). (And) there's been a new announcement from the Red River group and they're coming into Canada."

Red River Commodities of Fargo, North Dakota, announced plans earlier this month to open a new business in Winkler, Man. The firm, called Red River Global Ingredients, will buy sunflowers and possibly other commodities from Manitoba growers.

Red River operates a processing facility and bird food plant in Fargo and another bird food plant in Texas.

About 50 percent of Manitoba's sunflower acres were the oilseed variety this year, and the other half was confectionary. Most oilseed sunflower seeds grown in Manito-



Almost all of Canada's sunflowers are grown in Manitoba, where acreage has ranged from 70,000 to 95,000 in recent years. | FILE PHOTO

ba are sold into the bird food market because the province doesn't have a sunflower seed crushing plant.

Turner said demand for oilseed sunflowers is strong right now, which bodes well for 2017.

"Speaking with processors, they're not going to be shying away. They will be trying to get as many acres as possible."

Almost all of Canada's sunflowers are grown in Manitoba, where

acreage has ranged from 70,000 to 95,000 in recent years. Acreage of 150,000 to 185,000 was more typical in the late 2000s, but the rise of soybeans, a relatively easy crop to grow, has cut into sunflower production.

Manitoba's sunflower industry is small compared to North Dakota and South Dakota, where growers seeded 670,000 and 540,000 acres, respectively, this year. However, acres are down in the Dakotas and

across America. The U.S. Department of Agriculture said seeded acres were 1.6 million, down 14 percent from last year.

John Sandbakken, executive director of the U.S. National Sunflower Association, said yields look decent in North Dakota, but total production will be less than last year.

The USDA pegged American production at 2.46 billion pounds, a reduction of 16 per-

cent from last year.

"By the end of this marketing year ... a year from now, stocks are going to be fairly tight," he said.

"Worldwide there's a reduction in rapeseed production.... In the European Union they're going to replace (rapeseed) with probably sunflower oil. So a lot of (sunflower) seeds will be crushed.... I think we're going to be in a good position in 2017 to add acres."

An expansion of sunflowers in Argentina, one of the world's largest sunflower producers, could spoil the party. The USDA reported that acres are up 38 percent this year in that country, rising to 4.1 million in 2016-17 from 3.2 million in 2015-16.

Oilseed sunflower prices at crushing plants in North Dakota were around US\$16.50 cents per lb. in the second week of October. Most Manitoba growers contracted their production at 22 to 25 cents per lb., Turner said.

Confectionary sunflower contracts are typically a few cents higher than oilseeds.

"They (sunflowers) are still pencilling out as the top three (crops in Manitoba) ... in terms of profit," Turner said.

Harvest of this year's crop is just underway in Manitoba. Turner said early results look decent because yields are average and quality is good.

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OILSEEDS

Is the canola price a bird in the hand?

MARKET WATCH



D'ARCE McMILLAN

The canola futures rally to more than \$500 a tonne presents farmers with a pricing opportunity.

Canola has rallied on the combination of the stalled Canadian harvest and strength in the palm oil market.

In the past three years, canola has not often climbed above \$500 and never in the autumn. It is a level that generates a profit for most producers, so it should not be overlooked.

For many, it could be the bird in the hand that is worth more than two in the bush.

What factors could push the price higher or lower?

If the Prairies had a long streak of dry, sunny days allowing harvest to resume, some price support would fall away. But the forecast to the end of October is not solidly dry in many areas and significant precipitation is seen on Halloween.

It will be a long, slow grind to get the tail end of this harvest in the bin. The likely outcome is that there will be some progress, but perhaps not

enough to put strong downward pressure on the canola price.

Another factor supporting canola has been the strength of vegetable oil futures, led by palm oil.

Lingering effects from an El Nino drought in Malaysia reduced palm supplies in the world's second largest producer.

But the seasonal trend is for palm prices to weaken toward the end of the year as buyers in cold weather countries turn to other oils because palm solidifies in colder temperatures.

Weaker palm prices would be a threat to canola prices.

The United States soybean market is both a weight and support for the canola market. The record large soybean crop is being harvested in good condition and normally that would depress the price.

However, U.S. soybean exports are hot, running well ahead of expectations and that is keeping soybean futures mostly steady.

It is hard to say how long that strong export pace can be sustained. Currently, there isn't much competition from South America as the 2015-16 crop is mostly sold.

But at some point, buyers' immediate needs will be met and they will suspend buying until the next South American crop is available, perhaps at lower prices. That soybean crop is now going in the ground.

Brazil's soy production is expected to grow five percent to 101.3 million tonnes in 2016-17, accord-

ing to soy industry group Abiove. It estimates total exports of 57 million tonnes in 2017 compared with 52.5 million tonnes this year.

Buenos Aires Grains Exchange analysts expect soy plantings in Argentina to fall three percent to 48 million acres as growers dedicate more area to corn and wheat because of changes in export taxes.

Brazil was dry but is getting rain now. Argentina has good moisture.

Finally, there is the currency factor to consider. The loonie has fallen to about US75 cents, the lowest since March. The Bank of Canada is publicly debating the need for more monetary stimulus at a time when the U.S. central bank is expected to tighten monetary policy in December.

A weak loonie supports canola exports and prices and it is likely to remain listless in the next few months as long as there are no signs of solid economic growth here.

Also, oil prices likely won't provide much support

Sure, OPEC is talking about limiting its members' production but it has a history of under-performing on its promises. As well, oil demand will be limited by mediocre global economic growth

I think crude is more likely to limp along near current levels or perhaps a little less.

Follow D'Arce McMillan on Twitter @darcemcmillan or email darce.mcmillan@producer.com.

NEWS BRIEFS

CATTLE FUTURES

U.S. September cattle placements reach record low

CHICAGO, Ill. (Reuters) — Chicago cattle futures jumped higher Oct. 21, supported by a smaller than expected number of cattle entering U.S. feedlots in September.

September placements were 1.905 million head, down two percent from 1.941 million last year, according to the U.S. Department of Agriculture's cattle on feed report.

That was well below analysts' average forecast of 2.011 million and the smallest for that month since the USDA began tabulating the data in 1996.

Depressed profits discouraged ranchers from pulling their animals off healthy grazing pastures and deterred feedlots from buying young calves for fattening, analysts said.

The placement shortfall does not alter the overall outlook for low beef prices next year when those animals begin arriving at packing plants in early 2017, said analysts.

The USDA put the feedlot cattle supply as of Oct. 1 at 10.266 million head, nearly in line with 10.228 million a year ago.

Analysts had forecast an average increase of 1.3 percent.

The number of cattle sold to packers, or marketings, grew five percent in September from a year ago, to 1.732 million head.

Analysts projected a 6.2 percent increase from 1.642 million last year.

Rich Nelson, chief strategist with Allendale Inc. in Chicago, said low prices this fall influenced the numbers.

"We had the cattle in the tank in terms of pricing. That discouraged a lot of these guys," said Nelson, referring to sellers.

He cautioned that large numbers of heifers prepared to enter feedlots could increase placements in future reports.

The smaller-than-expected placement number might be partly due to the heavier weight category, which dropped for the first time since July 2014, according to University of Missouri economist Ron Plain.

He said the decline in those heavier cattle suggests the industry may have caught up with the supply of livestock available to go on feed.

The Oct. 21 data showed that heifers in feedlots were up four percent year over year, which Plain said implies a slowdown in herd expansion because of low cattle prices.

CANFAX REPORT

CATTLE FUTURES RALLY

Chicago live cattle futures fell early last week but then posted strong gains at the end of the week as the United States cash market appeared stronger.

Packer margins in the U.S. are extremely profitable and the market expected that packers would buy cattle to produce the beef that retailers will likely want as October Pork Month draws to a close. U.S. wholesale beef is the lowest in four years.

The strong slaughter pace is expected to pull cattle in early and start to shrink the number of market-ready cattle.

In Western Canada, the Canfax fed steer weighted average was \$132.40 per hundredweight, up \$2.68, and heifers were \$131.41, up \$1.97.

The futures rally arrived too late to affect prices a lot, but it encouraged a few feedlots to hold cattle over a week.

Most of the trade happened before the futures rally. As a result, the cash-to-futures basis strengthened to a very strong contra-seasonal +\$5.81 per cwt.

Western Canadian fed slaughter for the short holiday week ending Oct. 15 fell nine percent to 37,698 head.

Weekly exports to Oct. 8 fell 13 percent to 7,388 head.

Fed supplies are expected to tighten modestly during the rest of the year.

September fed marketings exceeded projections as fantastic feeding conditions maximized performance and strong packer mar-

gins encouraged timely marketing.

COWS WEAKEN

Alberta and Ontario cow prices fell as they normally do this time of year, but Alberta D1, D2 cow prices are at a \$13 premium over the U.S. utility market.

That is the largest premium since April 2015.

The wide spread presents the potential for a price pull-back, even though supplies are manageable.

D1, D2 cows ranged \$80-\$95 to average \$87.10 per cwt., down \$1.69. D3 cows ranged \$70-\$85 to average \$77.72.

Rail grade prices ranged \$170-\$175.

Butcher bulls have dropped \$8 over the past three weeks and are at the lowest level since May 2014.

Speculative buying interest to put cows back on feed has been light thus far, but demand is anticipated to improve into November.

Feeder cows averaged \$94 with trade reported up to \$110.

FALL FEEDER RUN

The calf run is in full gear with British Columbia, Alberta, and Saskatchewan posting the largest weekly auction volumes of the year.

Forward-contracted calves are also being delivered, keeping trucks and processing personnel busy.

Alberta 550 pound steer prices have fallen 39 percent from February highs. The U.S. market is down 38 percent in the same period.

Alberta 550 lb. calf prices are the

lowest since December 2013, while US calves are at the lowest prices since December 2010.

About 25 percent of feeder cattle on offer were yearlings.

A larger percentage of the yearlings on offer have been heifers. The market is pricing in a very small price spread between calves and yearlings.

The spread between 550 lb. and 850 lb. heifer is \$4.55. Typically 550 lb. animals trade at a \$22 premium over 850 lb. heifers.

The futures market rally and weaker Canadian dollar should stabilize prices.

BEEF WEAKENS

U.S. boxed beef prices hit annual lows with Choice at US\$177.89 on Oct. 20, down \$3.71, and Select at \$167.74, down \$4.87.

It was the first time that Choice had been below \$180 since August 2012.

A strong slaughter pace is pushing beef on the market and driving down the price.

But packer profit margins continue to be attractive.

Canadian cutouts to Oct. 14 were AAA at C\$237 per cwt., down \$9.13 and AA at \$231.93, down \$6.64.

This cattle market information is selected from the weekly report from Canfax, a division of the Canadian Cattlemen's Association. More market information, analysis and statistics are available by becoming a Canfax subscriber by calling 403-275-5110 or at www.canfax.ca.

WP LIVESTOCK REPORT



HOGS UNDER PRESSURE

An ample supply of market-ready hogs kept downward pressure on American prices.

Plants closed because of Hurricane Matthew reopened and the weekly slaughter total was strong.

The United States national live price average for barrows and gilts was US\$34.42 per hundredweight Oct. 21, down from \$36.63 on Oct. 14.

U.S. hogs averaged \$46.21 on a carcass basis Oct. 21, up from \$46.15 Oct. 14.

The U.S. pork cutout was \$72.07 per cwt. Oct. 21, down from \$73.38 Oct. 14.

The estimated U.S. weekly slaughter for the week to Oct. 22 was 2.514 million, up from 2.304 million the previous week.

Slaughter was 2.322 million last year at the same time.

In Canada, the Oct. 21 Signature Five price was C\$120.35 per 100 kilograms, down from \$122.39 the week before.

On a per hundredweight basis, the price was \$54.59 down from \$55.52 the week before.

BISON STEADY

The Canadian Bison Association said Grade A bulls in the desirable weight range sold at prices of up to C\$6-\$6.25 per pound hot hanging weight. U.S. buyers are offering US\$4.60 with returns dependent on exchange rates, quality and export costs.

Grade A heifers sold up to C\$5.75-\$6 U.S. buyers are offering US\$4.40. Animals outside the desirable buyer specifications may be discounted.

LAMBS STEADY TO STRONGER

Beaver Hill Auction in Tofield, Alta., reported 758 sheep and 139 goats sold Oct. 17.

Wool lambs lighter than 54 lb. were \$195-\$214 per cwt., 55 to 69 lb. were \$189-\$210, 70 to 85 lb. were \$178-\$203, 86 to 105 lb. were \$178-\$204 and 106 lb. and heavier were \$187-\$195.

Wool rams were \$75-\$155 per cwt. Cull ewes were \$67-\$139.

Hair lambs lighter than 54 lb. were \$170-\$195 per cwt., 55 to 69 lb. were \$170-\$195, 70 to 85 lb. were \$167-\$180, 86 to 105 lb. were \$179-\$197 and 106 lb. and heavier were \$185-\$193.

Hair rams were \$80-\$120 per cwt. Cull ewes were \$65-\$88.

Ontario Stockyards Inc. reported that 1,195 sheep and lambs and 114 goats traded Oct. 17.

Light lambs sold higher. Heavy lambs sold steady. Good sheep sold barely steady and good goats sold actively at slightly higher prices.

— X —

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TRANSPORTATION REVIEW

Willingness to hear concerns a step in the right direction

We are embarking on a once-in-a-generation opportunity to re-vamp the regulatory environment for grain transportation.

We must get it right.

Eighteen farm groups finally met with federal Transport Minister Marc Garneau in Saskatoon last week.

The meeting partly made up for a gaping hole in the consultation process related to the Canada Transportation Act review. Before this, only a few farm groups had been heard from, a baffling limitation considering the vital importance of the rail system to Canada's grain industry.

Following the meeting, the heads of the three prairie provincial general farm organizations and the Canadian Federation of Agriculture were pleased with the attention they received from Garneau and Agriculture Minister Lawrence MacAulay.

The ministers were open to hearing the farm groups' frank assessments of the transportation system. The farmers thought the ministers understood when they talked about the need for base line information on railway costs and to monitor performance in real time.

The meeting came at a crucial time as the government wraps up consultation on the CTA review, which included a wide-ranging report by former cabinet minister David Emerson.

One of Emerson's recommendations was to immediately modernize the maximum revenue entitlements and then eliminate them within seven years as the system becomes "commercially grounded."

Most farm groups want to retain the MREs as their protection against the near monopoly the two main line railways have in Western Canada, where most grain delivery points are served by only one rail company.

The timing was also important because the 2016-17 shipping season could be as

frustrating as 2013, when shipping delays caused lost sales and soaring basis levels that cost farmers billions in lost revenue.

This year, wet weather is delaying harvest of another big crop, creating a wide variety of grades and quality and adding complexity to the marketing campaign.

One way to ensure that bottlenecks do not develop again is to improve timely communication among all the players in the system: farmers, grain companies and railways.

Information gathering has improved since 2013, but the farm groups believe more could be done to bring the players to one table to discuss how to use the data to improve performance.

Data — specifically the railways' costs of moving grain — are also critical in the discussion about the MREs.

A full costing review has not been done since 1992, and the MRE process was created in 2000. Revenue adjustments since then were applied to that base year.

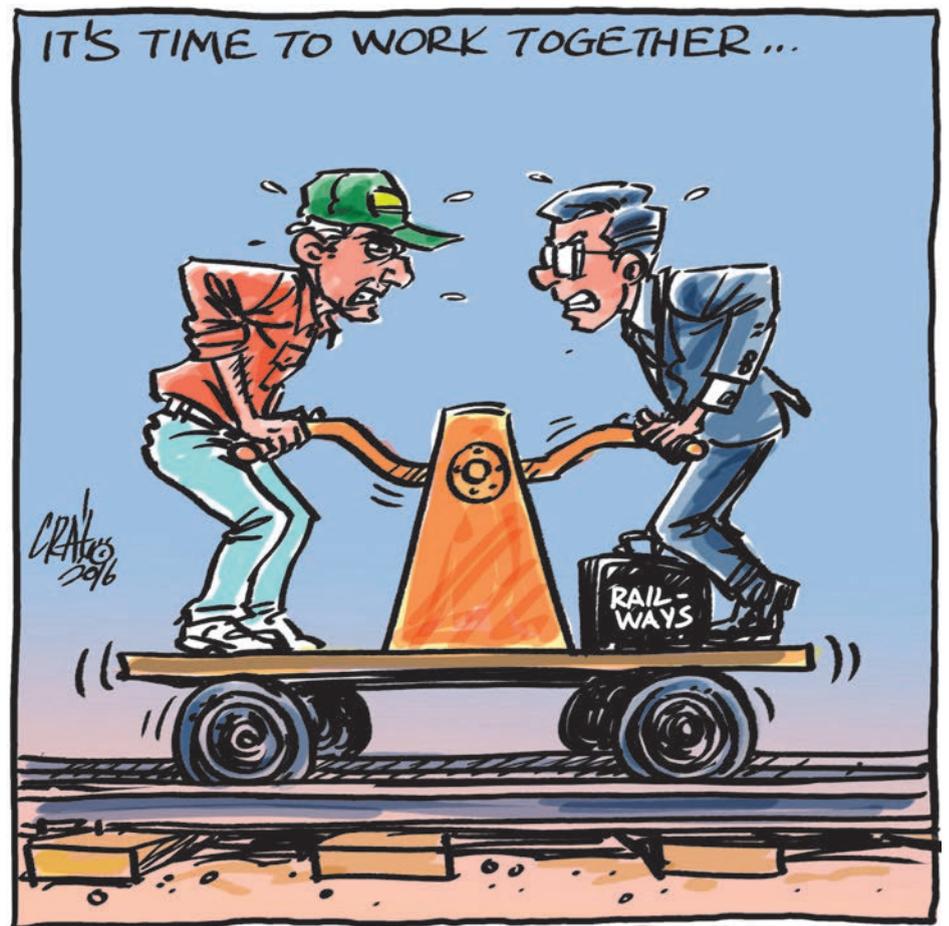
The grain collection system has changed immensely in the intervening 16 years, including elevator consolidation, branch line abandonments, more efficient locomotives and longer trains.

Many of these efficiencies added to the railways' bottom lines but downloaded costs to the farmer and the taxpayer. For example, instead of hauling a few miles to a nearby elevator, the farmer's haul is now often 50 kilometres or more, adding to his costs and causing much more wear on taxpayer funded provincial roads.

A costing review would lead to a fairer allocation of efficiency dividends and identify sources of revenue to replace the aging fleet of government-owned hopper cars.

Bruce Dyck, Barb Glen, Brian MacLeod, D'Arce McMillan and Michael Raine collaborate in the writing of Western Producer editorials.

CRAIG'S VIEW



YOGURT MAKER GOES GM FREE

In our view, your pledge amounts to marketing flimflam, pure and simple. It appears to be an attempt to gain lost sales from your competitors by using fear-based marketing and trendy buzzwords, not through any actual improvement in your products.

LETTER FROM U.S. FARM GROUPS TO DANNON CHIEF EXECUTIVE OFFICER
PAGE 15

HEALTH

Canada's new food guide designed to fight obesity problem

CAPITAL LETTERS



KELSEY JOHNSON

The federal government has unveiled its strategy designed to mitigate Canada's burgeoning obesity problem.

In a speech in Montreal Oct. 24, Health Minister Jane Philpott said the country's food labels and its beleaguered food guide are under review.

"The classic one-size-fits all guide no longer meets the needs of Canadians," Philpott said, insisting the new guide must be "relevant and practical" and apply to a variety of situations from the grocery store to the restaurant table.

The Healthy Eating Strategy is a

multi-year policy plan that targets such things as food labels, trans fats, sugar, sodium consumption and the Nutrition North subsidy designed to improve food access in northern communities.

The department hopes to have most of its food policy finished by the end of next year, with its final dietary recommendations complete by 2018.

New food labels will be in place by the end of 2016, Health Canada said, with food packaging aimed at providing more information on sugars. Food colours will need to be identified by their common names, while other nutritional information will need to be provided in an easy-to-read format.

As well, Health Canada is promising to bring in new healthy diet suggestions such as a new health claim that associates a diet rich in fruits and vegetables with a lower risk of heart disease.

The department also said sodium and sugar content will be found on

the front of the food packaging under the proposed changes.

The review of Canada's food guide and the new food labels come after heavy criticism as health officials grapple with the country's rising obesity problems.

The figures are staggering. One in four adult Canadians and one in 10 Canadian children are considered clinically obese, meaning about six million Canadians may require immediate support when it comes to managing their weight.

The health crisis is believed to be pulling \$6 billion from Canada's total health-care budget, the Canadian Obesity Network said.

A year-long study by the Senate health committee found the current food guide outdated and irrelevant and said it did not reflect Canadian's busy lifestyles.

The detailed Senate report includes 21 recommendations ranging from considering a sugary drink tax to providing infrastructure funding to develop commu-

nity programs designed to support healthy communities.

Meanwhile, Canadian confidence in the food guide, Health Canada officials told reporters during a technical briefing Oct. 24, has been undermined because the current guide was developed in partnership with the country's agriculture, food and beverage industry.

While those industries will be able to provide input via the online consultations, Health Canada said it will not seek direct input from industry as it reviews the food guide.

"We will not meet with industry during the development of our policy around the food guide, but they will be able to input in the formal consultation process, the online one," Dr. Hasan Hutchinson, director general of Health Canada's Nutrition Policy and Promotion section, told reporters.

That position echoes the Senate report, which also recommends

that industry not be allowed to participate in the advisory committee tasked with helping Health Canada review the food guide.

Farmers, industry and other food industry stakeholders will be able to put forward their two cents via online submissions. The consultation period is open for 45 days and closes Dec. 8.

Canada's sugar, food and beverage industries have repeatedly said they are opposed to a sugar tax. The Liberals have not said whether they are considering a form of a sugar tax.

Kelsey Johnson is a reporter with iPolitics, www.ipolitics.ca.

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& OPEN FORUM

AGRICULTURAL MANUFACTURING

Innovation, research key to our future

BY LEAH OLSON

Innovation, Science and Economic Development Minister Navdeep Bains says he wants to make innovation a core Canadian value because it's "the path to growth, the path that leads to a stronger middle class and higher quality jobs."

Canada's agricultural equipment manufacturers have known this for years. In fact, innovation is at the heart of Canadian agriculture, shaping agricultural practices and creating opportunities since European settlement in the late 1800s.

The agricultural equipment manufacturing industry has developed as an entity separate from commercial or industrial manufacturing. Central to this evolution was the need to develop agricultural machinery capable of meeting the challenges of the Canadian climate.

This drive for innovation was critical to farmers who struggled with foreign equipment designed for smaller farms and less arid conditions. These same challenges have enabled Canadian agricultural equipment manufacturers to be global leaders in the development and production of high quality, durable and innovative machinery.

In 2015, agriculture equipment manufacturers exported \$1.8 billion worth of products to 154 countries; the U.S. represented 82 percent of this. Innovation drives the industry to develop some of the best agriculture equipment in the world.

But we can't rest on our laurels. Agricultural Manufacturers of Canada members help drive the



Research and development support is needed to help bring agricultural innovations to market. | FILE PHOTO

economy and are global leaders in innovation. It's why changes to the Industrial Research Assistance Program (IRAP) and the Scientific Research and Experimental Development (SR&ED) programs are integral to our future.

Innovation is crucial if we want to increase food production by 60 percent to feed more than two billion extra people on the planet by 2050.

The agriculture industry will need to produce more with less and Canadian farmers are at the forefront of meeting this challenge.

Small and medium-sized enterprises benefit greatly from the IRAP program. Often, it is the difference between launching an innovation, leaving it on the research floor or launching without due testing. However, IRAP should be expanded to cover production and marketing costs of projects to help grow the industry and contribute to an innovative economy.

When it comes to the SR&ED tax credit, administrative costs associated with it are increasingly burdensome, resulting in research and

development becoming more challenging. The process to make a submission to the program needs to be streamlined if the objectives of the program remain to reward innovation.

Often, those applying for the SR&ED credit will pay anywhere from \$30,000 to \$100,000 to get the application done. If one assumes 10 applicants hire external consultants for their submission, the combined amount could be upwards of \$1 million going into administration costs rather than innovation itself. These are dollars AMC members would rather see invested into R&D.

International trade and opening of new markets is critical. Bains recently said in a speech that "as a country made up primarily of small businesses, (he'd) like to see more than 10 percent of them exporting, and to places other than the U.S."

Our members agree. Ratifying the Trans-Pacific Partnership and making investments to promote trade and bring international buyers to Canada are essential.

The agricultural manufacturing

industry is unique not only in that it's developed in Canada, but because it affects food sources globally. Our products help feed the world. Our environmental footprint is better today than 30 years ago because of the equipment we have developed and are using.

AMC members lead the world on intellectual property of agricultural equipment. Innovation happens every day because our members are talking to farmers and responding to their needs by refining and enhancing their products.

Innovation is what drives the industry to develop some of the best agricultural equipment in the world. As one of our members says so eloquently, "We're not putting a man on the moon, but we are helping put breakfast on the table."

The government must act now to ensure that the Canadian agricultural equipment manufacturing industry remains innovative and strong.

Leah Olson is president of the Agricultural Manufacturers of Canada.

CONSUMERS

Should GM labels educate the public?

EDITORIAL NOTEBOOK



BRIAN MACLEOD
EDITOR

It seems many Canadians' outlook on genetically modified organisms match their thoughts on the environment.

That is, they hold the environment dear to their hearts, but won't compromise much on policies that hit their pocketbooks.

In a study released by Health Canada earlier this year, 61 percent of participants said the words "genetic modification" leave negative impressions. Only 26 percent of respondents said they are comfortable eating genetically modified food, and only 22 percent support the sale and development of GM foods in Canada.

By comparison, only 40 percent of Canadians oppose oil pipelines, and the politics of oil is even more polarized.

Yet, in a story on page 61 of this week's *Western Producer*, professor Stuart Smyth, who is research chair in agri-food innovation at the University of Saskatchewan's agriculture college, says it's food prices, not attitudes, that largely govern people's spending habits.

Indeed, it is the right of citizens to want their cake and eat it too.

So, how do lawmakers do the right thing and continue to support GM foods, which have never been shown to be anything but safe over decades of consumption, while still being seen by Canadians to have their interests at heart?

The most likely outcome is GM labelling, declaring that certain foods do or may contain genetically modified ingredients.

Public support for labelling is 78 percent, according to the survey (although only 45 percent say they actually look at labels).

Are we willing to let labels do the job of educating the public?

Health Canada's study found that "consumers' basic understanding of food science and technology is low."

It found that anti-GMO groups are the most effective source of information for many consumers.

If labelling does come to Canada, the public will be shocked. Labels will be on so many foods in supermarkets that they will either be quickly ignored, or they'll spark a backlash by consumers who were unaware that GMOs are so ubiquitous.

The study concludes that a sustained program of public awareness is necessary to project the science and safety of GMOs to Canadians.

There have been efforts in that direction, but it's clear they are not enough.

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RAIL TRANSPORTATION

Farmers not shedding many tears for CP Rail

HURSH ON AG



KEVIN HURSH

Canadian Pacific Railway says its third quarter revenues are down, and one of the main reasons cited by chief executive officer Hunter Harrison is slower than expected grain movement this fall.

Interestingly, CP has been taking only about three-quarters of the grain offered by shippers.

There haven't been public complaints about grain movement this fall. The system is working reasonably well, and yes, the amount of grain available for movement has been cut by a delayed harvest. Grain worth billions of dollars is still in the field, and much of what has been harvested is

poor quality and requires more time than usual to market.

So Harrison is correct in that sense. What was touted as one of the biggest crops in history hasn't lived up to its advance billing, and it was reasonable for the grain industry and the railways to be expecting a higher level of movement early in the crop year.

However, statistics released weekly by the Ag Transport Coalition show that CP's performance has been lagging that of Canadian National Railway by a considerably margin.

For full disclosure, I am executive director of the Inland Terminal Association of Canada, which involves five grain terminals that are at least 50 percent farmer owned. ITAC is one of the many organizations funding the weekly performance reports by the Ag Transport Coalition.

The most recent report shows that shippers ordered an average of 4,136 cars per week from CN and 4,490 cars a week from CP during

the first nine weeks of the crop year starting Aug. 1. In week nine, 5,084 cars were ordered from CN and 6,187 cars from CP.

CN supplied 93 percent of the cars ordered that week, while CP supplied only 75 per cent. The unfulfilled demand for the week adds up to 372 cars for CN and 1,542 cars for CP, and that's just for one week. Perhaps CP's revenue results would be better if it was supplying and moving a higher proportion of the cars ordered.

This isn't just one bad week. CP's percentage of hopper cars supplied has been below last year's percentages in all but one of the nine weeks.

Dwell times is another measurement in the Ag Transport Coalition reports, which is how long cars sit at a delivery point after they are loaded and ready to go. Elevator companies typically have 24 hours to load a block of cars after they are delivered or face freight penalties.

In week 9, filled hopper cars on CN lines waited an average of 18 hours at

origin, while the wait was 46 hours on CP lines. However, it should be pointed out that this is a lot better than last year's 87 hour wait time.

CP recently announced that it has created a supply chain score card to track weekly grain movement and any problems that arise. More data and analysis is always good, but the Ag Transport Coalition reports are providing insights not previously available. It would make more sense for the railways to co-operate on existing reports rather than creating their own.

Harrison may bemoan this year's delayed movement of prairie grain, but the business isn't lost. Almost all grain is captive to rail, and most of it is captive to one railway. The railways will get the business. They end up moving about the same amount of grain in total whether they provide good service or poor service.

Kevin Hursh is an agricultural journalist, consultant and farmer. He can be reached by e-mail at kevin@hursh.ca.

OPEN FORUM

LETTERS POLICY:

Letters should be less than 300 words. Name, address and phone number must be included for verification purposes and only letters accepted for publication will be confirmed with the author.

Open letters should be avoided; priority will be given to letters written exclusively for *The Western Producer*.

Editors reserve the right to reject or edit any letter for clarity, brevity, legality and good taste.

Publication of a letter does not imply endorsement by *The Producer*.

WETLANDS: PART OF THE CARBON SOLUTION

To the Editor:

In the current round of discussion regarding carbon taxes, caps and credits, carbon storage, greenhouse gas emissions and GHG storage or sinks, there has been little to no mention of the role that wetlands play in the fight against climate change.

Although the calculations are complex, and research is ongoing with respect to carbon sequestration and storage in prairie wetlands, there is agreement that wetland drainage results in the loss of significant amounts of carbon that had been accumulating in wet-

lands for centuries, if not millennia.

Preserving existing wetlands keeps carbon out of the atmosphere in the amount of up to 89 tonnes per hectare. The unmitigated loss of 4,000 hectares of wetlands each year is not sustainable.

In addition to carbon storage, wetlands provide several other environmental advantages such as flood mitigation and regulation of water flows.

Wetlands also have a cooling and humidifying effect on regional climate and therefore help moderate the impact of climate change. They are equally important in ensuring that non-point source pollution does not end up downstream. Wetlands offer habitat for species of wildlife, including many rare and endangered animals.

Livestock producers can benefit as well from the water resources wetlands supply.

Lastly, wetlands provide numerous recreational opportunities for outdoor enthusiasts.

Wetlands are critical to the future health and sustainability of our province's environment and economy. When you consider all the advantages of wetlands, including the recreational and aesthetic values to the public, you have a very impressive list of reasons why the retention and restoration of wetlands makes sense.

Michael Champion

Head of Industry and Government Relations, Sask. Ducks Unlimited Canada, Regina, Sask.

CARBON TAX

To the Editor:

Prime Minister Justin Trudeau's deceptive method of introducing a carbon tax plan goes far outside the boundaries of leadership and common sense.

Obviously, his advisers are less than qualified for a taxation assessment assignment.

Surely, his thoughts would not drop to the low level where the two most highly populated and the most carbon producing provinces will not pay an equal share as the lesser populated four western provinces.

Separation into two countries, Eastern and Western Canada, would be a favourable political move.

The younger voter of today, with his or her positive understanding, could develop an independent Western Canada into a small, debt-free nation, including British Columbia, Alberta, Saskatchewan and Manitoba, with the reality that all its resources, agriculture manufacturing and energy, Western Canada could become world renown.

Its capital and supreme court headquarters could be located in Edmonton, the gateway to the north and favored by two major sea ports, Vancouver and Prince Rupert.

There is currently a strong movement in a direction where there could be a political upheaval, whereby Canada could be divided into two nations, Eastern and Western Canada.

This would allow Western Canada to establish its own constitution, becoming totally independent from the East.

The West must always remember the power exhibited from Ottawa, limiting infrastructure such as pipeline construction rejection, thus being denied access to ocean shipping and foreign markets, losing dollars by the billions.

It must be acknowledged that younger voting Canadians are better educated and more understanding than those who elected one or the other of the old line parties.

Thus with two countries, Western Canada would become an independent fine small, strong country capable of making its own rules, law and decisions.

John Seierstad
Tisdale, Sask.

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**THE WESTERN
PRODUCER**

AGRONOMY

Are soybeans a safer bet than canola?

Yield studies in Manitoba show soybeans weather wet conditions better than canola in many parts of the province

BY ROBERT ARNASON
BRANDON BUREAU

If yields in the last five years are an indicator, soybeans may be a safer crop to grow than canola in Manitoba.

A large part of the province, including central and eastern Manitoba, suffered through frequent and heavy rains this summer, soaking crops and swamping fields. As well, cold, dry conditions in May delayed crop emergence.

Canola plants struggled with the challenging weather, and yield took a hit. A number of farmers reported yields lower than 30 bu. per acre. In its final crop report of the year, Manitoba Agriculture said the average canola yield in central and eastern Manitoba was 35 to 40 bu. an acre, a relatively low number in an area with the best agricultural land in the province.

Meanwhile, soybean yields were strong in the same conditions. Manitoba Agriculture reported yields of 40 to 45 bu. per acre across the region and in most of the province.

Reg Dyck, a retired farmer from Starbuck, has heard of much higher bean yields.

"All the way up to 65 (bu.), let's say 40 to 65," he said. "I don't think canola is anywhere near that."

Agronomists might explain this year as an aberration because growing conditions were better for soybeans than canola.

However, yield data from the Manitoba Agricultural Services Corp., along with yield estimates for 2016, suggest that soybean yields are more stable than canola.

It's only five years of data, but growing conditions in the period were highly variable: 2012 was extremely hot and dry, 2013 was nearly ideal, 2014 was very wet and



Frost may be a threat to soybeans, but too much rain or excessive heat are huge weather risks for canola — and hot and wet has become the norm in Manitoba. | MICHAEL RAINE PHOTO

2016 was wet again.

The provincial yields from 2014, with soybeans at 33 bu. and canola at 36 bu., don't tell the entire story because southwestern Manitoba was the wettest part of the province that year.

In the Rural Municipality of Brenda-Waskada in southwestern Manitoba, soybeans stood up to the excess moisture and averaged 38.1 bu. per acre. Canola in the RM yielded 31 bu.

Dyck, who grew soybeans for 19 years, learned early that soybeans are resilient. In his first year with beans, he grew canola and soybeans side by side and both suffered through a wet summer. The beans yielded 28 bu. per acre and the canola yielded 14 bu.

"Farmers are seeing a lot less risk

in soybeans," Dyck said.

"There's a benefit to growing soybeans (because) there is less production risk than canola.... With canola you have the risk of a field (swaths) blowing before harvest. You have flea beetles, you have sclerotinia."

However, Dyck said an early frost is a massive risk for soybeans and a "wreck" is overdue in Manitoba.

A frost severely damaged his crop once in 19 years of growing beans.

Frost may be a threat to beans, but too much rain or excessive heat are huge weather risks for canola — and hot and wet has become the norm in Manitoba.

"The excess moisture we did have this year, the soybeans in a lot of fields did do better than canola," said Anastasia Kubinec, Manitoba

CANOLA YIELD POTENTIAL VS. SOYBEAN STABILITY

When growing conditions are ideal, canola yields trump soybeans in Manitoba. But if too wet or too hot, soy does better.

- In 2013, canola yields hit record levels in most of Manitoba and went through the roof in certain municipalities. Average yields, in bu./acre:

Rural municipality	canola	soybeans
Morris (Red River Valley)	49.9	38.7
Louise (Central)	54.1	33.1
Bifrost (Interlake)	44.8	34.5

- In a hot, dry year, like 2012, canola yields dropped significantly while soy was stable. Average yields, in bu./acre:

Rural municipality	canola	soybeans
Rosser (north of Winnipeg)	27.3	35.0
Morris (Red River Valley)	32.5	32.4
Ste. Rose (Parkland)	23.6	40.9

- In a wet year, like 2014, average yields, in bu./acre:

Rural municipality	canola	soybeans
Bifrost (Interlake)	28.5	28.8
Ste. Rose (Parkland)	29.9	33.9
Brenda/Waskada (Westman)	31.7	38.1

Source: Manitoba Agriculture Services Corporation | MICHELLE HOULDEN GRAPHIC

Agriculture's oilseed specialist.

"I think a lot has to do with the growing conditions.... It was really an ideal year, especially towards the end of the season, for soybean yields."

However, it seems like every year has been ideal for soybeans in Manitoba recently, regardless of conditions early in the season.

"August rains make beans," said Dale Cowan, senior agronomist with AGRIS Cooperative in Ontario. "I don't care what beans look like in June and July, as long as it rains in August during pod fill."

Soybeans may be outperforming canola, but Kubinec wonders if factors other than weather are influencing yields.

"Where are they (farmers) putting a lot of those crops?" she said.

"Are they putting the soybeans only on their best land? Is the canola going on poorer land, or vice versa?"

Kubinec said it's a glass half empty or glass half full situation. There might be more risk with canola but there is also the opportunity to achieve yields of 60 to 70 bu. per acre.

However, Dyck didn't see that on his farm.

"In all my years of farming, I hit 54 bu. canola once," he said.

"(But) I also had two years of six bu. canola."

The Canola Council of Canada is hosting an agronomy conference in Winnipeg this week that is focusing on maximizing canola yields.

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CARBON TAX

Alta. producers get help with green investment

BY BARBARA DUCKWORTH
& BARB GLEN

CALGARY, LETHBRIDGE BUREAUX

The Alberta government is investing \$10 million to expand programs that could help farmers reduce greenhouse gas emissions and save money on their energy bills.

The Alberta carbon tax is scheduled to take effect in January and has generated concern in the farming industry about the sector's ability to reduce its carbon footprint and cover the costs of doing so.

Though marked gasoline and diesel used by farmers are exempt from the levy, there is concern that the costs of inputs will rise without farmers' ability to pass them on.

Channelled through Emissions Reduction Alberta, the money announced Oct. 24 supports expansion of four existing programs that can cover a percentage of capital purchases and projects that save energy:

- the On-Farm Energy Management Program

- the On-Farm Solar PV Program
- the Irrigation Efficiency Program
- the Accelerating Agricultural Innovation Program

Agriculture Minister Oneil Carlier said the money can be leveraged with environmental programs available through Growing Forward 2 to make \$16 million available to implement changes.

"I see this as being proactive before the carbon levy kicks in in January, and it gives farmers time to start thinking about projects," he said.

The government is offering to cover up to 70 percent on capital purchases through the On-Farm Energy Management Program and raised the funding cap to \$75,000 from the previous level of \$50,000.

This program assists with the purchase of equipment that improves energy efficiency or monitors energy consumption, such as lighting, pumps, meters, boilers, heaters and low-energy, livestock-watering systems.

The program should address some of the high energy needs of

THE ON-FARM SOLAR PROGRAM OFFERED

\$500,000

TO HELP 86 FARMERS BUY GRID CONNECTED SOLAR PANEL SYSTEMS

intensive farming operations such as greenhouses, dairies and poultry farms, said Carlier.

The on-farm solar program would help producers buy grid connected solar panel systems that can be used to generate electricity and reduce emissions.

Earlier this year, \$500,000 was offered for on-farm solar energy, and 86 farmers participated.

The irrigation efficiency program increases the number of eligible projects from an applicant with a funding

cap of \$15,000, up from \$5,000.

The program helps producers invest in new or upgraded low-pressure irrigation equipment, improving water efficiency and reducing energy use.

The Accelerating Agricultural Innovation Program has allocated \$1 million to help food processors retrofit their plants with energy-saving technology.

The program is split in two with the first offering help to agricultural societies, industry organizations and producer groups to collaborate on new products, new processes or new business practices in Alberta.

The second is targeted at primary producers, agri-processors and other for-profit companies to assist with the early adoption of new technologies or practices that have the potential for sector-wide impact.

The programs are projected to mitigate 120,000 tonnes of carbon emissions per year.

Erna Ference, chair of the Alberta Chicken Producers, said the addi-

tional government funding may help producers in that sector.

"A lot of farmers have already made investments and we are fairly efficient," said Ference, but additional funds can help new farms install more energy efficient systems.

Alberta Chicken Producers has studied the impacts of the new carbon levy. Based on 2015-16 bills, it estimates producers will pay an extra \$6,100 more for their natural gas.

Albert Cramer, vice-chair of the Alberta Greenhouse Growers Association, said the Oct. 24 announcement was "a good first step" to helping growers install more energy efficient technology.

However, he said most greenhouses are nearly carbon neutral as it is, given that their plants absorb carbon dioxide.

"We're doing our part," said Cramer. "The energy we burn, we're also using that as fuel for our plants."

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NEARLY DONE | A farmer harvested beans near Swan Lake, Man., earlier this month. By the look of the field, the crew made it home in time for supper. | JEANNETTE GREAVES PHOTO

PROCESSORS

Man. hog industry welcomes expansion

BY ED WHITE
WINNIPEG BUREAU

Manitoba's hog industry is keen to see HyLife Foods expand its Neepawa slaughter plant.

For that to happen, new feeder barns need to be built, which would show that the drought of investment money is over and the industry can grow again.

"They are going to do it," said Andrew Dickson, general manager of the Manitoba Pork Council.

"They want to increase the number of pigs arriving at their processing plant."

HyLife has said it plans to build feeder barns and a feed mill and expand and modernize the slaughter plant.

It is a major Manitoba hog production company that exports meat around the world with major sales to China and Japan. It owns barns, feed mills and the Neepawa slaughter plant.

Like the Maple Leaf Foods plant in Brandon, the HyLife plant has been running beneath capacity because Manitoba and Saskatchewan produce too few pigs to support full second shifts at both plants.

Manitoba has had a province-wide ban on new barn construction since 2011, following a 2008 ban on new barns in the Red River Valley. That coincided with a prolonged period of losses and low returns. Profitability returned in the last few years, but the provincial restrictions continued.

Dickson said the new provincial government is signalling that it will allow new barns to be built if they include two-stage manure lagoons, which is far more affordable than the anaerobic digesters that had originally been required for a barn to be approved.

However, the barns don't need to be located near the plant.

"Do they build in Manitoba? Do they build in Saskatchewan?" Dickson said.

The barns and the mill are likely to be grouped relatively closely with the feed mill nearby because transportation costs for weekly feed shipments are much greater than shipping hogs to the slaughter plant, which only has to be done once.

HyLife has grown dramatically after beginning as a small network of hog barns in eastern Manitoba. It is a vertically integrated company that says it sells to customers in 23 countries.

It has a sales office in Shanghai, seeing the shrinking Chinese hog herd as a market opportunity, and sells high value cuts to Japan, which is a high-paying market.

The company also operates a restaurant in Japan, called HyLife Pork Table, featuring cuts of its premium pork.

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Jock /



LET'S GET THIS DONE



Back at it after a stretch of snowy weather, combines from Palin Farms straight cut a canola field south of High River, Alta., Oct. 21. | MIKE STURK PHOTO

CONSUMER PRODUCTS

Dannon switches to non-GM

Company's decision to avoid GM products draws ire of U.S. farm groups

BY SEAN PRATT
SASKATOON NEWSROOM

A food manufacturer's pledge to make yogurt with non-genetically modified ingredients has raised the ire of U.S. farm groups and the eyebrows of a Canadian grain industry executive.

Dannon is transforming its Danimals, Oikos and Dannon brands of yogurt to contain no GM ingredients. Those three brands account for half of the company's sales.

Cows that supply Dannon's milk for the three flagship brands will be fed non-GM feed starting in 2017, which will require the conversion of 80,000 acres of farmland to non-GM crops.

"Shoppers are our main ingredient, and what is important to them drives what we do," Dannon chief executive officer Mariano Lozano said in a news release.

"For this reason, the range of products we make is evolving to provide even more choices."

Dannon's decision has angered U.S. farm groups.

The American Farm Bureau Federation, the American Soybean Association, the American Sugarbeet Growers Association, the National Corn Growers Association, the National Milk Producers Federation and the U.S. Farmers and Ranchers Alliance issued a tersely worded letter to Lozano.

"We are writing to express our deep concern and great dismay with your company's attack on the

livelihood and integrity of our farmers," the letter said.

The groups say Dannon is portraying its pledge as a commitment to environmental sustainability, but it is accomplishing the exact opposite.

They say reducing the amount of GM crops will increase pesticide, water and fossil fuel use and lead to further soil erosion.

"In our view, your pledge amounts to marketing flimflam, pure and simple," said the letter.

"It appears to be an attempt to gain lost sales from your competitors by using fear-based marketing and trendy buzzwords, not through any actual improvement in your products."

However, one Canadian agriculture industry executive sees tremendous opportunity in the actions of Dannon and other food industry giants.

Murad Al-Katib, president of AGT Food and Ingredients, the world's leading processor of pulse crops, said the growing anti-GM food movement has been a boon for his industry.

"That's the global trend and that's the trend that we sell into because pulses are non-GM, so it's a big opportunity," he said.

Al-Katib doesn't see any end in sight to the trend with more and more food companies taking the non-GM plunge.

"We believe it's a massive opportunity for this industry."

He envisions a canola-type story

for the pulse sector, in which a major portion of the crop is milled in North America and used like corn in a variety of food products.

Al-Katib said the United States used to be a market that embraced or at least tolerated the GM supply chain, but a struggle between farmers and consumers is emerging.

The term "natural" used to be equated with organics, but today it is associated with non-GM.

There is a no more telling sign of the shift in consumer attitudes than when General Mills announced it would make non-GM Cheerios.

"That was the day the light bulb went off over the head of the U.S. food industry," said Al-Katib, whose company is investing tens of millions of dollars on technology for making non-GM pulse flours and other ingredients.

"Cheerios is (an) apple pie, ice cream, U.S. legacy brand," he said.

Other major brands have since followed suit. Many believe the millennials are the driving force behind the demand for non-GM foods, but Al-Katib said there is another force at work, which is represented by his 15-year-old daughter, Sarah.

"She cares about her food label. She cares about the number of ingredients. She cares about natural, non-GMO," he said.

"She's not an environmentalist, but she's certainly a socially conscious young lady."

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ENTREPRENEURS

Prairie pulse processor wins entrepreneurial award

BY SEAN PRATT
SASKATOON NEWSROOM

A Saskatchewan grain company executive has won Ernst & Young's Prairie Entrepreneur of the Year award.

Murad Al-Katib, president of AGT Food and Ingredients, will now compete against the winners in the Ontario, Quebec, Atlantic and Pacific regions for the national title in Toronto Nov. 22.

The national winner will then compete against more than 50 other country winners for the world title in Monaco in June.

"Al-Katib's realization of how well lentils grow in Saskatchewan was well-timed with changes in the agriculture industry," Rob Jolley, prairie program director for EY Entrepreneur of the Year, said in a news release.

"He had the business savvy, experience in the market and impeccable timing. That winning combination has made him an incredibly successful entrepreneur."

AGT's revenues have grown by

about \$300 million per year for the past five years. Some investment analysts that follow the company are forecasting \$2 billion in revenues for 2016.

What began as a lentil splitting plant in Regina in 2002 is now the world's largest pulse processor, handling about one-quarter of the global supply.

Al-Katib said the award is an opportunity to showcase some of the exciting developments in agriculture.

"We were able to truly promote the Saskatchewan agriculture success story to a very high level business audience in Calgary," he said.

"We're almost sometimes viewed as a sector that is supported, not a sector that is really booming and contributing."

Al-Katib said the award is an opportunity to remind Canadians that agriculture is an integral and thriving part of the resource sector.

"We're in the human energy business. Human energy is protein," he said. "We're truly feeding the world."

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Canadian Pacific Railway's decision to start posting a score card of the entire grain supply chain in this difficult harvest season isn't sitting well with all farmers. | MICHAEL RAINE PHOTO

TRANSPORTATION

CP starts keeping score on grain supply chain

BY BRIAN CROSS
SASKATOON NEWSROOM

A top executive with Canadian Pacific Railway says his company's decision to publish a weekly report card on grain supply chain performance is not about finger pointing.

Instead, it is aimed at providing a greater level of transparency to the grain handling and transportation system.

"I think it's important that we all collaborate and co-ordinate and that we're transparent," said Keith Creel, CP's chief operating officer.

"The ... score card not only will show the metric tonnes that we move in a given week, it will also show any supply chain challenges — not finger pointing but just highlighting — issues that affect ... the entire supply chain."

Creel said a variety of factors

affect his company's ability to move grain.

Those factors include cold winter weather, rain delays at export terminals, shifts and work schedules at export terminals and country elevators and unexpected harvest delays.

Harvest delays and commercial blending requirements are expected to slow the pace of grain movements this year, he added.

The variable quality of this year's grain crop will require grain companies to spend more time sourcing, handling and blending grain to meet customer specifications.

"The quality (of this year's crop) ... slows things down on the front end ... and it can put some strain on the supply chain, but I do think that the grain is still going to be there to move," Creel said.

CP released its first grain supply chain score card Oct. 20.

It has evoked a critical response from some western Canadian farmers and grain shippers.

Others welcomed the score card in principle but said its value to others in the supply chain remains to be seen.

Greg Northey, a Pulse Canada official who manages grain shipment statistics and rail performance data for the Ag Transport Coalition (ATC), said he looks forward to seeing CP's weekly score card.

The ATC comprises agricultural shippers and commodity groups.

It collects data and distributes a weekly performance update focused largely on railway performance and car order fulfillment by Canada's largest rail carriers: CP and Canadian National Railway.

"Part of the reason why the Ag Transport Coalition started its work in this area was to try to get

openness and transparency in shipping data," Northey said.

"So this (CP's score card) is a positive development. Whether the data (in the CP score card) is actually useful or whether it actually provides the kind of information that we would see as valuable for the supply chain ... remains to be seen."

Creel said CP is committed to moving efficiently what appears to be a larger-than-average western Canadian grain crop, despite a slow start to the shipping season.

CP's total grain handlings in August and September were below historical averages, despite expectations of a near-record harvest this fall.

Creel said the heavy shipping demand that was anticipated early in the 2016-17 shipping season has been slow to materialize.

"We were assuming that the grain supply chain was going to fire up faster than it did," he said.

"Actually, the first six or seven weeks (of the shipping season), we were moving less than the historical average and we were told that was because of the moisture and because of the late harvest."

The pace of shipments has picked up over the past few weeks, he added.

"We are charged up," he said. "It started ramping up in Week 8 and Week 9, and as of last week, I think it's a peak level."

"The key here is to make sure that the ... entire supply chain, the railroads, the elevators as well as the terminals on the West Coast, continue to work 24-7 to make sure that the supply chain keeps moving."

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IN THE DRIVER'S SEAT

Life in the slow lane: what are farmers listening to?

AGRICULTURE



ED WHITE

Hours and hours and hours. Alone. That's a common situation for farmers for weeks and often months a year as they seed, spray, swath, combine and drive truck on and off the farm.

So what do farmers listen to? Do they listen to anything in the cab? How is what they're listening to today different from what they listened to when younger, or to what their fathers listened to?

That's what I was wondering recently during a lengthy road trip — something that is also a common occurrence for my job as an agricultural journalist. As I travel to distant farms and farm meetings, I listen to a lot of podcasts, audio books, radio, and — if I have a rental car — satellite radio.

Is this what farmers listen to, I wondered?

So I took to social media and asked.

I got lots of responses with certain character types appearing. Here's what I found:

Fans of the diesel symphony

Some farmers often don't want to hear people chattering or playing music, beyond what their machines are making.

"I listen to the roar of an N14 Cummins as I haul grain. Music to my ears," tweeted Andrew Dalgarno of Newdale, Man.

Fellow Manitoban Walter Moebis remembers his father enjoying the same connection of sound to farming action.

"Never had a radio in anything. Mind was busy on what he was doing and the farm/life, I guess," he said.

The Podcast posse

Podcasts, as I suspected, have caught on big time. They are the main things I listen to as I travel, being easier to concentrate on than audio books and also freer, as in being totally free.

"Lots of podcasts," said Brady Sprout, a Kipling, Sask., farmer.

Some farmers listen to farm and agriculture-related podcasts, but many want to be carried away by a gripping story or mystery.

"I listen to a lot of storytelling podcasts," said Gerrid Gust, a farm leader from Davidson, Sask., who spends a lot of time trucking grain to buyers.

Snap Judgment, Planet Money, Freakonomics and the Moth Radio Hour are all examples he can spit out without thinking about it when I called him up to chat.

Gerrid and I have swapped podcast recommendations over the past couple of years, and that seems to be how many of us find new podcasts. It's a natural networking of like-minded people.

"I forget how I find most of them," he said. "It's hard to remember where the idea came from."

Some of the most dedicated podcast listeners can't imagine listening to radio these days.

Danny Ottenbreit of Grayson, Sask., listens to a lot of podcasts, and for him "terrestrial radio can be parked in the bush and left to rust."

However, there are some for whom radio is not an anachronistic technology.

The Radio loyalists

I was surprised, and cheered, to hear that radio — live, unstreamed, unpodcasted AM and FM — is still a major farmer mainstay in the cab. Farmers almost all grew up with farm and rural radio, and for many, it is still good, relevant

I used to listen to phone-in shows, but they just leave me mad now.

STUART SOMERVILLE
ALBERTA FARMER

and engaging.

"1570 CKDM. Up here it's 880 out of Brandon. I listen to all three radio stations out of Brandon to keep my voice in top shape," said Eric Todd McLean.

Radio is a medium that brings up a lot of memories, I found.

CONTINUED ON NEXT PAGE >>



Some follow the game or get the latest weather while sitting in the cab; others delve into faraway lands through storytelling podcasts

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TOUGH TO BEAT IN THE LONG RUN

» CONTINUED FROM PREVIOUS PAGE

“Back in the day, Dad listened to whatever came in clear, usually CBC or the local country stations,” remembered central Alberta farmer Stuart Somerville. “I used to listen to phone-in shows, but they just leave me mad now.”

Annoyance with some forms of radio broadcasting came up a few times. Farmers now have the ability, with all the other forms of audio, to be more selective than just chained to whatever is on the schedule.

“It was 840 CFCW 24/7 growing

up,” said John Guelly of Westlock, Alta. “The big 7-9er. Now only for noon farm show and sometimes news.”

Southeastern Manitoba farmer Jason Rempel remembers non-agriculture broadcasting he could hear on his farm.

“CBC 990 when equipment had AM only. CJOB during Bomber games. Great memories of listening to CBC Ideas with Dad in (the field,” said Rempel.

Satellite radio is popular with some farmers who have equipped it. A huge range of choices is avail-

able from outer space with sports being one named by a few.

Satellite radio bridges the shortcomings of local radio and the modern age of hyper-connectivity, but for many, land-based radio is just fine and doesn't seem outdated. Some farmers could remember an even more dated and seemingly anachronistic technology than radio.

The original social network

“Yep, my older sister met her future husband on the CB back in

the late '70s,” said John Kowalchuk of Trochu, Alta.

Ahhh, doesn't that bring back the memories? CB radios. I realize that many farmers today still have a CB in their truck or other cabs, but for me, CBs will always be associated with the 1970s, Smoky and the Bandit and a guy at my elementary school called Joey Topuschak, who operated one in Grade 7.

Two-way radio was often a relief to just sitting in a vehicle and hearing whatever the local radio station was saying. It's not as big a deal today, but that's what we have Twit-

ter and Facebook for, isn't it? But you can't use those while rolling.

From all the answers I got, I found a picture of farmers today having a lot of choice about what they hear while they're working.

A heck of a lot of audio technology has changed since the early days, but one thing has definitely not changed: farmers spend hundreds of hours alone, and most want to hear something engaging. That's a crucial piece of farm culture, and it's unlikely to ever change.

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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

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



2012 KW T370 Tandem grain truck, 16,000 lb front, 40,000 lb rears, air ride. Paccar PX8 dsl, 10 spd manual, 20' grain box, electric tarp, and rear control. As new w/some remaining eng warranty, 176,000 kms, \$108,000. 204-764-0502, 204-764-2362, Decker, MB. paul.waldner@gmail.com

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CAT. CRAWLER TRACTORS: D4H, D6D, D6R, D7H, D7R, D8T. Komatsu D61PX-15, D155AX-6. Standard and L.G.P undercarriages. 2006 Komatsu PC-270LC-8, new chains and sprockets, 6400 hrs. Many more items available. Call for prices, info and pictures. Robert Harris Equipment Sales, 204-642-9959, cell 204-470-5493. Gimli, MB. rjharris@equipment@gmail.com

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1988 JD 644E wheel loader, 23.5x25 tires, 4 cubic yard bucket w/teeth, \$29,750. 204-795-9192, Plum Coulee, MB.



1975 CAT D8K, hyd. winch, twin tilt angle blade, 26" pads, very good undercarriage, recent engine rebuild, excellent running condition, 60 hour warranty, 14' blade, 300 HP S/N #71V2222, \$75,000. Can deliver. 204-743-2324, Cypress River, MB.

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2002 KOMATSU WA380-3L WHEEL loader, low hrs., 4 yd. bucket, 23.5x25- 90%, exc. cond., \$73,000. 306-921-7583 Melfort, SK.



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

2003 MACK VISION: 1990 IHC 9400 Eagle; 1979 IHC model 1954 tandem dump truck; 1990 Arne's triple axle cross dump trailer; Wabco grader; 1986 Midland TA cross dump trailer; 1959 Fruehauf equip. trailer; 1998 Kobelco 150 Mark IV track excavator; 1973 Case W268 rubber tire loader; 1968 JD 544 rubber loader. Doug at 204-732-2161, Meadow Portage, MB.

2010 CAT 950H WHEEL LOADER, 27,417 hrs., w/Cat quick coupler bucket, 3-3/4 cu. yards, 23.5x25 tires, F.O.B. \$75,000. 204-795-9192 Plum Coulee, MB

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2004 JD 270 LC excavator, 2 buckets, 1 48" dirt and 1 60" rake, low hrs., exc. cond, \$75,000. 306-861-4592, Fillmore, SK

2004 CAT D6N LGP crawler, 6-way dozer, AC, canopy, diff. steer, cargo winch, new UC, 10,800 hrs., \$90,000; **2007 KOMAT-SU PC200 LC-8** hyd. excavator w/QA cleanup bucket, 9'6" stick, aux. hyds., 12,582 hrs., \$55,000. **To fit 320 KOMAT-SU loader:** loader forks, \$2800; pallet forks, \$3400; 104" 3.5 yd tooth bucket, \$5000. **6- 64" excavator cleanup buckets,** \$4,000- \$5,000/ea.; **62" cleanup bucket,** \$4000; **48" frost ripper,** \$2500; New hyd. thumb and c/yll, for 270 machine, \$8500. 204-871-0925, MacGregor, MB.

CATERPILLAR 14D GRADER, 1964, good shape. Call for price 204-267-2292 or 204-226-3612, Oakville, MB.

2004 CAT D7R-XR, Series II, full canopy, heated/AC cab, hyd. angle dozer, ripper, \$110,000. 780-983-0936, Calgary, AB.

SKIDSTEER LOADERS: 2008 Case 440, Series 3, \$27,500 OBO; 2006 Case 440, \$24,500 OBO; 2007 Case 420, \$22,500 OBO. Ph. 204-794-5979, Springfield, MB.

CAT 463 LEVER SCRAPER, newer conversion, 25 yd., new front tires, exc., \$37,000; 2013 20KW light plant, 2500 hrs., \$8000. 306-642-3225, 306-640-7149, Assiniboia.



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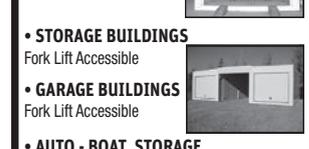
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GRAIN AUGERS 4115



NEW 2016 BRANDT swing away augers, 13110HP+, 4 to choose from. 2 electric and 1 hyd. swing away, 13,000 bu. per/hr. 3 augers, M13X110 HP 1 auger, 10"x80" \$33,000 ea. Call any time, 204-743-2324, Cypress River, MB.

GRAIN BAGS/EQUIPMENT 4116

GRAIN BAGS- 9' and 10' grain bags. All sizes up to 400' long. Quantity discounts avail. See your nearest Flaman location or call 1-888-435-2626.

GRAIN CARTS 4118

2013 BRENT 882 grain cart, 875 bu., 20" auger, 1000 PTO, hydraulic kit available, tarp, like new, shedded, \$39,000. 306-428-2847, 306-862-7731, Choiceland.

GRAVITY WAGONS: New 400 bu., \$7,400; 600 bu., \$12,500; 750 bu., \$18,250. Large selection of used gravity wagons, 250-750 bu. Used grain carts, 450 to 1110 bushel. View at: www.zettlerfarmequipment.com 1-866-938-8537, Portage la Prairie, MB.

NEW 2016 ARMSTRONG 750 bu. 4 wheel, \$28,900. New 2016 Armstrong 750 bu., on tracks, \$38,900. Both available with PTO or hydraulic drive. **K&I Equipment and Auto**, Ladimer, 306-795-7779, Ituna, SK.

2011 E-Z TRIAL 710 grain cart, \$27,900. Canada West Harvest Centre, Emerald Park, SK., 1-844-806-2300.

J&M GRAIN CARTS, 750-1500 bu., c/w tarp. Comes in red or green. Available with integrated Ifarm Technology. We take trades! See your nearest Flaman location or call 1-888-435-2626.

GRAIN CLEANERS 4121

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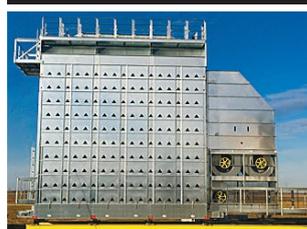
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GRAIN DRYERS 4124



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

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HARVESTING/HAYING

BALING EQUIPMENT 4139



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

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

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HARD TO FIND! John Deere 346 square baler, nice shape, \$5500 OBO. 780-888-7152, Lougheed, AB.

2012 MASSEY FERGUSON (Hesston) 2856A round baler, shedded, 8100 bales, retiring, \$27,000. 403-599-3790, Milo, AB.

BALE SPEAR ATTACHMENTS for all loaders and skidsteers, excellent pricing. Call now 1-866-443-7444.

2014 NH BIG baler 340s, automatic oiler/greaser, 12,000 bales. exc. cond., \$107,000 OBO. 780-898-2341, Drayton Valley, AB. Spencer_2387@hotmail.com

SWATHERS 4145



2012 MASSEY FERGUSON 9740, 36', 400 hrs., vg., 0% OAC, \$89,900. Call Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

JD 2005 4895, 30' HoneyBee header, dual canvas drives, near new UII reel, 1 owner, \$45,000 OBO. 780-221-3980.

PICKUP REEL PARTS WAREHOUSE: MacDon, UII, JD, Hart Carter, CNH, AGCO. We distribute parts for all PU reels. Call 1-888-278-4905. www.combineworld.com

2013 JD W150, with 435D header, 650/500 hrs., double knife and double reel, shedded, \$132,000. Consider trades. 780-679-7795, Camrose, AB.

1995 CASE 8820, 30' header, PU reel, 21.5-16.1 tires, excellent condition, \$16,500. Call 306-861-4592, Fillmore, SK

1995 30' MACDON Premier 2900, PU reel, 960 MacDon header, 21.5-16.1 tires, exc. cond., \$19,500. 306-861-4592, Fillmore SK

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SWATHERS 4145

2011 CASE/IH 1203 30' SP pickup reel and transport, \$77,000; 2002 Westward 9250 30' SP pickup reel, \$40,000. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

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

2012 WESTWARD M-155 dual direction swather, exc. cond., new canvases, new knife, D-50 header, 805 eng. hrs., \$110,000 OBO. 204-748-5050, 204-556-2328, Kola, MB. gretfarm@mymts.net

1998 35' WESTWARD 9300, 960 header, PU reel, turbo, big tires, excellent cond., \$29,500. Call 306-861-4592, Fillmore, SK



2016 MACDON M205 (No DEF), 35' and 45' DK headers, c/w transports. Call Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

SWATHER ACCESSORIES 4148

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

25' UII PU REEL; 21' Hart Cart PU reel; all A-1. Grain trucks, IHC forklift, swath roller, Ford Major diesel loader and blade. Call 306-236-8023, Goodsoil, SK.

H/H VARIOUS 4151

NH 1033 BALE wagon; Massey 124 baler; Wheel rake; McKee forage Harvester; Bale spear; 36' PT swather. 306-283-4747, 306-220-0429, Langham, SK.

FLEX HEADS: CASE/IH 1020 25', \$6000; 2020 30', \$15,000; 1015 PU header, \$3500; JD 925, \$6500; JD 930F, \$11,000; Nissen bean windrower, \$5000; Large selection of used grain carts and gravity wagons. Call 204-857-8403.

COMBINES

CASE/IH 4160

2008 8010, 1398 sep. hrs., long auger, loaded, 2016 PU, new rotor and concaves, \$40,000 red light just completed, shedded, premium cond. Terre Bonne Seed Farm, 306-921-8594, 306-752-4810, Melfort, SK.

2009 7120 CASE/IH w/2016 header, \$165,000; 2007 7010 Case/IH, dual wheels, w/2016 header, \$170,000. Call A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

1997 CASE 2188 combine, hydro, PU, chopper, Red Power Service Check, AFX rotor, 3400 sep. hrs, \$32,900. Reimer Farm Equipment, #12 Hwy N, Steinbach, MB. Gary Reimer, 204-326-7000, www.reimerfarmequipment.com

466 IH ENGINE for a 1680; Also hydro transmission and planetary axles available. 204-662-4510, 204-522-5283, Sinclair, MB

1996 2188, 1015 PU, 30' auger header, 2800 sep./3287 eng. hrs, exc cond, always shedded. Will trade for bred bison. 780-888-2245, 780-888-1217, Hardisty AB

2010 CASE/IH 7120, 2016 PU header, long auger, always shedded, field ready, 1167 hrs., exc. cond., \$165,000 OBO. Call Jim at 403-575-0069, Coronation, AB.

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

1994 1688, 4300 eng. hrs., newer sieves, rails, feeder house, and bushings, \$20,000 OBO. 306-220-1533, Saskatoon, SK.

2007 CASE/IH 8010, 1707 hrs., \$195,000. Canada West Harvest Centre, Emerald Park, SK., 1-844-806-2300.

CATERPILLAR LEXION 4166

570R LEXION, 2008, 1500 hrs., P514 PU, \$185,000. Canada West Harvest Centre, Emerald Park, SK., 1-844-806-2300.

470R LEXION, 2003, 2386 hrs., \$99,000. Canada West Harvest Centre, Emerald Park, SK., 1-844-806-2300.

750 LEXION, 2013, 1046 hrs., duals, \$425,000. Canada West Harvest Centre, Emerald Park, SK., 1-844-806-2300.

570R LEXION, 2006, 1258 hrs., duals, \$159,000. Canada West Harvest Centre, Emerald Park, SK., 1-844-806-2300.

750 LEXION, 2011, 1282 hrs., duals, \$279,000. Canada West Harvest Centre, Emerald Park, SK., 1-844-806-2300.

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FORD/NH 4172

NH CR960, 2003, 2578 hrs., \$110,000. Canada West Harvest Centre, Emerald Park, SK., 1-844-806-2300.

2009 NH 9070, 1793/1474 hrs, Intelli-View II display, Y&M, remote sieve adjust, elec. stonetrap, duals, diff. lock, long auger, PSD, deluxe chopper, chaff spreader, c/w 76-C 14' Swathmaster PU plus 2003 NH 94-C 36' draper header, fore/aft, split PU reel, single knife drive, gauge wheels, transport, all stored inside, \$210,000 OBO. Call 780-608-9290, Strome, AB.

1997 TX68, updated to 1999, drives like new, no hassle electronics, straight cut available, \$18,000 OBO. Nate Golas, 204-372-6081, 204-280-1202, Fisher Branch, MB.

GLEANER 4175

NOW SALVAGING GLEANER S77, low hrs., duals, cab, tons of good parts. Call us! 1-888-278-4905. www.combineworld.com

GLEANER/AGCO 30' rigid header, low block, fits N and R, c/w header transport, \$3900 OBO. 306-693-9847, Moose Jaw, SK

JOHN DEERE 4178

2010 9870 STS and 40' FD70 MacDon, 1360 sep. hrs., 1890 eng. hrs., auger ext., AutoTrac with receiver and 2630 display, Michel's hopper cover, thorough annual maintenance history with receipts, Y&M, always shedded, dual knife drive on header, pea auger, \$249,000. Will sell separately. 306-472-7704, Lafleche, SK.

2008 9770 STS, dual wheels w/2010 615 PU header, \$195,000. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

2000 JOHN DEERE 9650, duals, fine cut chopper, long auger, shedded, \$40,000. Call 306-524-4960, Semans, SK.

1996 JD 9600 w/914 PU, 4369 eng./3128 sep. hrs., moisture tester, hyd. chaff spreader and hopper, field ready, \$38,000 OBO. 403-664-8841, Buffalo, AB.

2009 JD 9770, 1459 sep. hrs, Premier Cab, AutoTrac, HD feeder house lift cylinders, HD final drive, high capacity feeding pkg, 800/70R38 drive, 600/65R28 rears. c/w 615P header. 306-620-2218, Ituna, SK.



2016 S 680 JD combine, under 250 hrs., new MacDon PU header. Field ready. Can deliver. \$410,000. Call any time, 204-743-2324, Cypress River, MB.

JD 8820 TITAN II combine with pickup and hopper extension. 306-283-4747, 306-220-0429, Langham, SK.



2014 JD S690 w/PRWD, 430 hrs., 2630 display, chopper w/Powercast tailboard, powerfold bin ext., 7.9M auger, 580/80R42's, HID lights, warranty, \$269,500 USD. www.ms-diversified.com 320-848-2496, 320-894-6560, Fairfax, MN

2- 2006 JD 9760 STS, bullet rotor 615 PU, various work orders, 1 owner, 2200 sep. hrs., w/wo HoneyBee 30' straight cut headers, field ready, \$95,000 each OBO, choice. Call 780-221-3980, Leduc, AB.

1986 JD 6620 Titan II Posi-torque, chopper, PU 6 belt, 2553 hrs, really nice, \$12,900. Reimer Farm Equip., #12 Hwy N, Steinbach, MB. Gary Reimer. 204-326-7000. reimerfarmequipment.com

1990 JD 9500, 4100 engine hrs., 912 PU header, many new parts, harvest ready, \$27,500 OBO; JD 930 rigid header with hyd. adjustable reel, good condition, \$500 OBO. 306-946-7928, Watrous, SK.

Look Here

2- JD 7721 TITAN II PT combines, field ready, vg, \$4000 ea. located at Findlater, SK. Call 403-871-2441 or 928-503-5344.

NEW 2014 MD PW7 w/16' Swathmaster to fit JD STS/S series, \$24,900. 1-888-278-4905. www.combineworld.com

WRECKING: JD 8820 combine for parts. J.M Salvage 204-773-2536, Russell, MB.

2008 JD 9870, c/w 615 PU, 4255/2470 hrs., shedded, \$135,000. 780-679-7795, Camrose, AB.

2013 JD S690, 503 sep. hrs., var. stream rotor, manual fold top, GS3 command centre, premium cab, prodrive trans, small wire concave, w/PU header, \$350,000 OBO. 2630, GPS receiver, AutoTrac, also available. Call 306-869-7629, Radville, SK.

2012 JD S690, 2630 Display, 615P 15' header, long auger, integrated chopper and chaff spreader. Discounted fall pricing! 306-441-6279, 306-397-2511, Vawn, SK.

1999 9610, new rub bars, concaves, walkers and bearings. Chopper recently balanced, Rake-Up PU, field ready, Reduced! \$65,000 OBO. 306-452-3878, Redvers, SK.

WANTED: 1988 JOHN DEERE 8820 combine. Good and clean. Call 780-672-3755, Camrose, AB.

JOHN DEERE 4178

2003 JD 9750, field ready, 2068 sep. hrs, 2816 eng hrs., excellent mechanical condition, duals, Maurer hopper top. 914 PU header. Very well maintained, \$85,000 OBO. 306-548-4357, 306-547-7235, Sturgis, SK. steelwheelsfarms@gmail.com

MASSEY FERGUSON 4181

WRECKING: MASSEY 860 combine for parts. Call J M Salvage 204-773-2536, Russell, MB.

2008 MF 9895, duals, MAV, PU header, 1900 hrs., AutoSteer, just gone through shop, shedded, 0% OAC, \$159,000. Cam-Don Motors, 306-237-4212, Perdue, SK.

VARIOUS 4193

COMBINES: 1997 CIH 2188, with PU, serviced, \$32,900; 1990 JD 9600, with PU, \$28,900; 1986 JD 6620 Titan II STD, with PU, low hours, \$10,900. Reimer Farm Equip., #12 Hwy N, Steinbach, MB. Gary Reimer. www.reimerfarmequipment.com 204-326-7000.

COMBINE ACCESSORIES

COMBINE HEADERS 4199

2009 CIH 2020 Flex Platform, 35', reconditioned, \$24,900; 2009 CIH 2020 Flex Platform, 30' air reel, reconditioned, \$24,900; 2- 2002 CIH 1020 Flex Platforms, 30', reconditioned, \$14,900 each; 1999 CIH 1020 Flex Platform, 25', air reel, reconditioned, \$19,900; 1997 CIH 1020 Flex Platform, 30', air reel, reconditioned, \$14,900; 1997 CIH 1020 Flex Platform, 30', air reel, reconditioned, \$19,900. We deliver. Reimer Farm Equip., #12 Hwy N, Steinbach, MB. Gary Reimer. www.reimerfarmequipment.com 204-326-7000.

JD 635F HYDRA FLEX PLATFORMS: 2005, 2007, 2011, \$17,900-\$27,900. **JD 930 Flex Platforms:** 1996-1999, reconditioned, \$14,900. **JD 925 Flex Platforms:** 1998-2000, reconditioned, \$13,900-\$16,900. **JD 925 Rigid Platform:** 1993, PU reel, \$7,900. We deliver. Reimer Farm Equip., #12 Hwy N, Steinbach, MB. Gary Reimer. www.reimerfarmequipment.com 204-326-7000.

1986 JD 224, 24' Sunflower header with 9' pans and powered drum, good condition, \$5000 OBO. 204-483-0764, 204-483-3234, Souris, MB. girtuner@xplornet.ca

BRAND NEW 2010 NH 88C 42' flex draper hdr, c/w transport, \$32,000. Can deliver. Ken 204-857-2585, Portage La Prairie, MB.

2000 36' 1042 Case/IH w/Case adapter, \$18,000; 2008 36' SP36 HoneyBee, transport, pea auger, 7120 or 8120 Case adapter, \$37,000; 2010 40' D60 MacDon, transport, \$60,000; 2010 40' Case/IH, transport, pea auger, \$60,000. Call A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

2007 GLEANER 8200 Flex Platform, 30', air reel, reconditioned, \$24,900; 2009 MF 8200 Flex Platform, 35', reconditioned, \$28,900; 2003 Gleaner 8000 Flex Platform, 30', reconditioned, \$21,900; 2000 Gleaner 800 Flex Platform, 30', reconditioned, \$18,900; 1996 Gleaner 500 Flex Platform, 30', reconditioned, \$15,900. We deliver. Reimer Farm Equip., #12 Hwy N, Steinbach, MB. Gary Reimer, 204-326-7000. www.reimerfarmequipment.com

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2013 IH 2152 40' rigid, DKD, header tilt, AHHC, w/ CA25 adapter, CNH/JD/Lexion kits available, \$49,800. 1-888-278-4905. www.combineworld.com

WHITE MF 9230 30' straight cut header, fits White 9700, 9720 and MF 8570, 8590, \$4000 OBO. 204-794-5979, Springfield MB

2002 42' SP42 HoneyBee, pea auger, transport, Cat adapter, \$25,000; Used JD adapter plate for newer MacDon headers, \$1400. Call A.E. Chicoine Farm Equipment, Storthoaks, SK., 306-449-2255.

MACDON CA20/CA25 and HONEYBEE flex or rigid adapters and completion kits, plenty in stock. We want your trade! 1-888-278-4905. www.combineworld.com

2004 CASE 1020 FLEX header, 25', \$4500. Call 306-567-3128, Bladworth, SK.

2010 JD 635F w/air reel, full finger auger, fore/aft, header height sensing, AWS 2000 air reel, no transport, \$35,000 OBO. 403-664-9371, Buffalo, AB.

CORN HEADS: 1997 JD 893, 8 row, 30', \$16,900; 1996 NH 974, 8 row, 30', \$13,900; 1997 CIH 1083, 8 row, 30', reconditioned, \$13,900. We deliver. Reimer Farm Equipment, #12 Hwy N, Steinbach, MB. Gary Reimer, 204-326-7000. www.reimerfarmequipment.com

2007 GLEANER 8200 Flex Platform, 30', air reel, reconditioned, \$24,900; 2009 MF 8200 Flex Platform, 35', reconditioned, \$28,900; 2003 Gleaner 8000 Flex Platform, 30', reconditioned, \$21,900; 2000 Gleaner 800 Flex Platform, 30', reconditioned, \$18,900; 1996 Gleaner 500 Flex Platform, 30', reconditioned, \$15,900. We deliver. Reimer Farm Equip., #12 Hwy N, Steinbach, MB. Gary Reimer, 204-326-7000. www.reimerfarmequipment.com

2007 GLEANER 8200 Flex Platform, 30', air reel, reconditioned, \$24,900; 2009 MF 8200 Flex Platform, 35', reconditioned, \$28,900; 2003 Gleaner 8000 Flex Platform, 30', reconditioned, \$21,900; 2000 Gleaner 800 Flex Platform, 30', reconditioned, \$18,900; 1996 Gleaner 500 Flex Platform, 30', reconditioned, \$15,900. We deliver. Reimer Farm Equip., #12 Hwy N, Steinbach, MB. Gary Reimer, 204-326-7000. www.reimerfarmequipment.com

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2007 GLEANER 8200 Flex Platform, 30', air reel, reconditioned, \$24,900; 2009 MF 8200 Flex Platform

SPRAYING VARIOUS 4244

PINTLE HITCH SPRAYER Trailers, tandem duals, 13'x19' cradle, Priced \$3500-\$4500. 306-222-2413, Saskatoon, SK. Pictures at www.trailerogy.ca

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.

TILLAGE/SEEDING

AIR DRILLS 4250

2003 BOURGAULT 5710 29' air drill, DS, Stealth paired row openers, 9.8" spacing, 4300 tank, \$60,000 OBO. 780-771-2155, 780-404-1212, Wandering River, AB.

50' SEED HAWK, 15" centers, twin wing, 500 bu., 3 comp. on board tank, liquid and dry, S.B.R. hitch, Vaderstad gear boxes, full blockage on seed, quick pin openers, \$150,000 OBO. 306-736-7653, Kipling, SK.

AIR DRILLS 4250

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.

MOON HEAVY HAUL pulling air drills/ air seeders, packer bars, Alberta and Sask. 30 years experience. Call Bob Davidson, Drumheller, AB. 403-823-0746.

AIR SEEDERS 4253

WANTED: 40' FLEXI-COIL 6000 disc drill, c/w air tank. Call 403-507-9889 or 403-556-2224, Olds, AB.

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

NEW RITE-WAY and MORRIS heavy harrows in stock. 70', 68' and 55'. Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

HARROWS/PACKERS 4256

WANTED: SYSTEM 95 harrow packer unit, minimum 50', in good shape. Call 403-507-9889 or 403-556-2224, Olds, AB.

2014 MORRIS 50' heavy harrow, 9/16x26" tires, 800 acres, bought 70', vg, \$2900. Cam-Don Motors 306-237-4212 Perdue 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.

TILLAGE EQUIPMENT 4262

DISCS- FLAMAN is your tillage solutions headquarters. Farm King, Wishek, and K-Line discs now available to purchase, rent or buy. Call or visit your nearest Flaman location at 1-888-435-2626.

2012 MANDAKO TWISTER vertical tillage, 20', like new, 2 sets of discs, tine harrows and rolling baskets, disc type: fluted, \$47,000 OBO. Please phone 306-463-6695, or call 306-463-7906, Kindersley, SK. barros@sasktel.net

1997 51' CASE/IH 5800 HD cultivator, w/Degelman mounted 3-row harrows, \$42,000. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

2013 JOKER RT370 high speed disc, 2500 acres, super chop and level, like new, \$79,900. 306-862-7731, 306-428-2847, Choceland, SK.

KELLO-BILT 8' to 20' offset discs w/24" to 36" notched blades; Kello-Bilt 24' to 38' tandem wing discs w/26" and 28" notched blades and oilbath bearings. Red Deer, AB. www.kellooughs.com Call: 1-888-500-2646.

2013 SUMMERS 50' vertical-disc coultter: 8 wave disks 19", front and back, 5" spacing, 4 bar heavy harrows, low acres, bought new in 2013, exc cond., works great in excessive moisture. 306-435-9334, 306-435-6067, Rocanville, SK.

WANTED: JD 7610 plow in good condition. 780-674-2440, 780-305-4106, Barrhead, AB.

HORSCH JOKER PT400, includes large floatation tires, rolling basket and cutaway disc, exc. cond. 204-573-6354 Brandon MB

60' MORRIS 8900 deep tillage cultivator w/Gaber oilbath vertical till units. 780-877-2339, 780-877-2326, Edberg, AB.

FLEXI-COIL 700 41' DEEP TILLAGE cult., 750 trips, new sweeps, exc. cond., \$7500 OBO. 306-946-8522, Saskatoon, SK.

JD 610 CHISEL PLOW, 35", with harrows. JD 1650 chisel plow, 52", c/w Degelman harrows. 780-679-7795, Camrose, AB.

MORRIS 760 CULTIVATOR 60' w/harrows, \$5000 OBO. 306-295-7800, Eastend, SK.

2004 KRAUSE TL-3000-9F 25' disc ripper, 22'6" working width, 9 shank, 22-23" discs, hyd depth control, \$29,800. 1-888-278-4905. www.combineworld.com

COMPACTED SUBSOIL ISSUES? Avoid "band-aid" solutions. Since 1984. Call Rick 403-350-6088, anytime.

TILLAGE EQUIPMENT 4262



NEW VERSATILE SD550 offset disc, 15', 550 lbs./ft., spring cushion gangs, HD bearing option, 26"x3/8" notched. Cam-Don Motors, 306-237-4212, Perdue, SK.

TRACTORS

Agco 4274

WANTED
CAT CHALLENGER: 75D, 85D, 75E, 85E, MT835 or MT845, under 5000 hours. Must have been shedded at all times when not in use. Excellent condition. Full service records. All updates done. Phone David Minkus, 204-868-0277, Minnedosa, MB.

WHITE 4280

1981 WHITE 105 with 10' Leon dozer blade, fair cond., \$10,000. 306-561-7780, Davidson, SK.

CASE/IH 4286

1983 2290 CASE/IH w/loader, good tires, good shape, \$16,000. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

CASE MAGNUM 275 row crop tractor, 2007, 3858 hrs., \$129,000. Canada West Harvest Centre, Emerald Park, SK., 1-844-806-2300.

FARM/ACREAGE SPECIAL - Shedded 1981 Case 2290, 6823 hrs., Bourassa 3 PTH attach, new Farm King 96" snowblower used 2 hours, FEL/bale spear, good rubber. Will sell w/wo attachments, \$20,875 takes it all. 306-222-0041, Saskatoon, SK.



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.

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.

CASE MAGNUM 290, 2013, 1166 hrs, duals, \$225,000. Call Canada West Harvest Centre, Emerald Park, SK. 1-844-806-2300

1984 IHC 5088, 130 HP triple hyds., dual PTO, \$18,000. 204-525-4521, Minnetonka, MB. www.waltersequipment.com

STEIGER 4289

STEIGER TRACTOR PARTS. New and used, from radiator to drawpin, 1969 to 1999. Give us a call 1-800-982-1769 or www.bigtractorparts.com

JOHN DEERE 4295

WANTED
JD 2520 tractor, powershift, '69-'72. Also 3020, 4000, 4020, 4620. Diesel, powershift, '69-'72. 306-960-3000, St. Louis, SK.

JD 8440, PTO, 5800 orig. hrs., quad trans, premium condition, \$26,000 OBO. Call 403-823-1894, Drumheller, AB.

1999 JD 9400, 425 HP 24 spd., new rubber, 4 hyds. w/return line, exc. cond., \$85,000 OBO. 306-861-4592, Fillmore, SK.

2012 6140, FWA, 2650 hrs., w/H310 loader, bucket and grapple, vg condition, \$79,000. 306-768-2672, Carrot River, SK.

1980 JOHN DEERE 8440, 4 WD, PTO, 5500 hrs., 3 hydraulics, good condition, \$14,500 OBO. 306-946-7928, Watrous, SK.

JD 4010, c/w FEL, new tires, batteries and injectors, very clean. Call 403-823-1894, Drumheller, AB.

1985 JD 4850, FWA, 16 spd. powershift, JD AutoSteer, 18.4x26 front- near new, 20.8x38 radial rear- new inside, new rad. recor., new alternator and batteries, front weights, motor rebuild- 7000 hrs, \$55,900 Ideal grain cart tractor. 306-862-7731, 306-428-2847, Choceland, SK.

WANTED: John Deere 4440, 4450, 4455, or similar. Must be low hours in good condition. Call 306-338-7232, 306-338-8231.

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.

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JOHN DEERE 4295

1996 JD 7200, MFWD, 5600 hrs., clean unit, low hrs, new front tires, rear tires still vg, power quad, exc. cond., \$55,000. 780-832-3359, Grande Prairie, AB.



2015 JD 9370R PS, 400 hrs., PTO, 3 PTH quick hitch, hi-flow with 5-remotes, premium lighting, 480/80R50's with duals, \$229,500 USD. www.ms-diversified.com 320-848-2496, 320-894-6560, Fairfax, MN

JD 4230, 100 HP PS, \$12,500; JD 4020, 75HP PS, \$8750 OBO. 204-525-4521 Minnetonka, MB. www.waltersequipment.com



2012 JD 9510R, 960 hrs., powershift, 17' 6-way blade, premium cab, 9030 lb. cast, extended warranty, too many extras to list, \$370,000. 780-808-3141, Lloydminster, AB

JD 8440, PTO, 5800 orig. hrs., quad trans, premium condition, call Call 403-823-1894, Drumheller, AB.

JD 8970, new tires; JD 4440, rebuilt eng.; JD 4450, FWD, 3 PTH, new engine; JD 4255, FWD. 204-871-5170, Austin, MB.

2014 JD 6125R MFWD, 125 HP 540 hours, FEL w/bucket, PTO, 3 PTH, factory warranty, \$139,800. 1-888-278-4905. www.combineworld.com

2001 JD 8210, 3850 hrs., AutoTrac ready; 2002 7710, 4200 hrs., 3 PTH. Both have 540/1000 PTO. 204-522-6333, Melita, MB.

JD 7710 MFWD, with 740 loader, LHR, premium condition, 20.8x38 tires. Call 403-823-1894, Drumheller, AB.

JD 7810, MFWD, LHR, JD 840 loader, grapple fork, joystick, shedded, very clean tractor. Call 780-674-5516, 780-305-7152, Barrhead, AB.

JOHN DEERE 8630, PTO, tires like new, excellent condition, \$19,500. 306-861-4592, Fillmore, SK.

JD 6420 PREMIUM, 6100 hrs., w/640 loader and grapple, 2 hyds., 3rd w/joystick control, new rubber, vg cond., \$55,000 OBO. 780-871-8111, Lloydminster, AB. welclean@telus.net

JD 6420 PREMIUM, 6100 hrs., w/640 loader and grapple, 2 hyds., 3rd w/joystick control, new rubber, vg cond., \$55,000 OBO. 780-871-8111, Lloydminster, AB. welclean@telus.net

JD 6420 PREMIUM, 6100 hrs., w/640 loader and grapple, 2 hyds., 3rd w/joystick control, new rubber, vg cond., \$55,000 OBO. 780-871-8111, Lloydminster, AB. welclean@telus.net

MASSEY FERGUSON 4301

165 MF DIESEL, high clearance, 3 PTH tractor, excellent condition, \$6950. Phone 403-381-4817, Coalhurst, AB.

NEW HOLLAND 4304

2009 NEW HOLLAND Boomer 8N, MFWD, 6 hrs., as new R4 tires, CVT, 55 HP diesel. no loader, exc. cond., \$21,500. 250-710-1755, Westlock, AB. Darylforbes@shaw.ca

2009 T9060, CUMMINS, AutoSteer, 800 duals, 3990 hours, \$211,000. Cam-Don Motors, 306-237-4212, Perdue, SK.

FORD 4307



1993 FORD 846, 7792 hrs., 230 HP 4 WD, 18.4R38 duals, PTO, 4 hyds., diff lock, cab, AC, heat, 14 spd. std. trans., \$46,000 OBO. Call 204-743-2324, Cypress River, MB.

VERSATILE 4310

2013 VERSATILE 450 PS, PTO, deluxe cab, leather seat, AutoSteer, 790 hrs., very good condition, \$289,000. Call Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

ESTATE SALE: 935 Versatile, NH 7090 round baler, like new; Snocrete 848a 8' tractor mounted 3 PTH snowblower; 1975 Int. 1466, duals, new sleeves/pistons; 1977 Ford F600 3 ton, 40,000 miles; 1975 MF 760 V8 hydro combine; Walinga 6614 agr. vac. 403-304-9217, Hoosier, SK.

VARIOUS TRACTORS 4319



NEW MAHINDRA mFORCE 105P #1 selling tractor in the world. 105 HP 5 yr. PT warranty, power shuttle, 24 spd. trans, 3 PH, optional loader lift capacity 4100 lbs, CAH, MSRP \$88,400. 0% financing. The Tractor Co., Osler, SK., 306-239-2262. www.tractorco.ca

GRATTON COULEE AGRI PARTS LTD. Your #1 place to purchase late model combine and tractor parts. Used, new and rebuilt. www.gcparts.com Toll free 888-327-6767.

LOADERS/DOZERS 4322

12' DEGELMAN 45/5700 4-Way dozer blade, QA, \$15,000; HLA snow wing dozer blade, trip cutting edge, \$17,000. Wandering River AB 780-771-2155, 780-404-1212

IHC 2350 QA FEL, 7' bucket, fits all series 88, 86, 66 and a few other tractors, nice cond., \$4800; 700 Job-Master FEL, 5' bucket, new hoses, fits most tractors up to 90 HP straight loader, \$1850. Pics avail. 306-277-4416, 306-921-8472, Gronlid, SK.



2012 BOBCAT S 205 skidsteer loader, 1650 hrs., c/w bucket, vg working condition, \$28,000. Can deliver. Call anytime 204-743-2324, Cypress River, MB.

LEON 8' 2-WAY DOZER, off 4240 JD, \$1800. Call 306-946-7497, Imperial, SK.



2004 DEERE 325 skidsteer loader, new eng., c/w bucket, vg working condition. \$25,000. Can deliver. Call anytime 204-743-2324, Cypress River, MB.

DEGELMAN 5900 14' 6-Way dozer blade, c/w silage extension and brackets, to fit JD 8000 series tractor, \$15,000 OBO. 780-877-2191, Bashaw, AB.



2009 HYUNDAI LOADER HL740XTD, S/N# LF0710299, mint condition, 13,540 hrs., \$55,000 OBO. 204-981-3636, Cartier, MB.



2013 CIH L785 FEL w/grapple and bucket. Fits on Case Puma 200, \$18,000; Also have some rear weights as well. \$1.75/lb. 204-743-2324, Cypress River, MB.



1984 CAT D7G DOZER, c/w 13.5' twin tilt angle blade, hyd. winch, enclosed cab, new UC, excellent working condition, new 26" pads. Warranty, \$78,000. Can deliver. 204-743-2324, Cypress River, MB.

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- 45 Toolbar (60' width, 12" row spacing)
- Wireless Blockage System
- 500 Bushel Even Split Tank
- Patented Precision Openers
- Stainless Steel Meter with Viper Control

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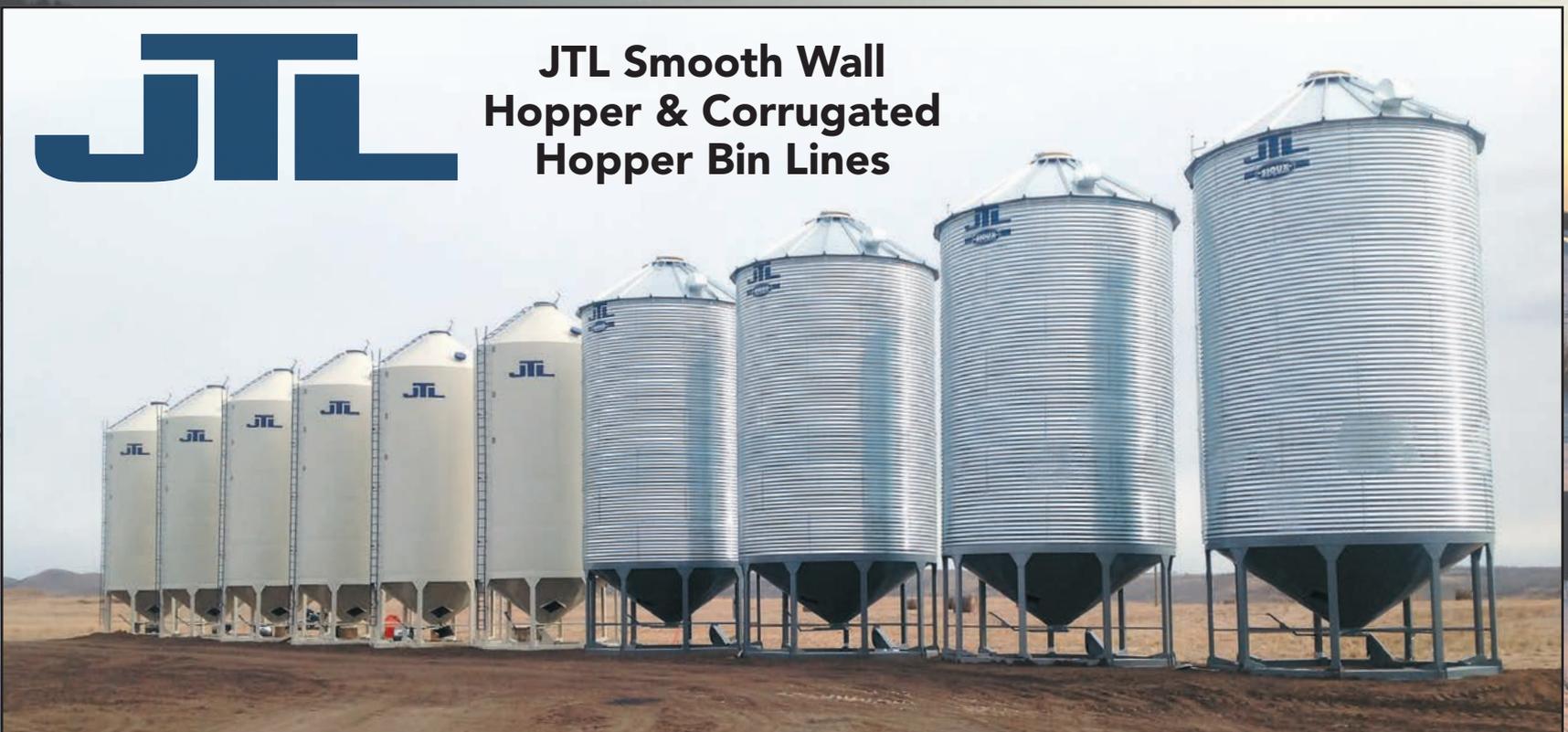
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Tecthonic Silver, Charcoal Black Interior,
2.5L I4 IVCT Engine,
6-Speed Auto

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All Rebates to Dealer
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2016 F150 4X4 SUPERCREW XLT

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Blue Jeans Metallic, Grey Cloth,
5.0L V8 Engine,
Electronic 6-Speed Auto

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Stk. #T16630
Oxford White, Black Leather Interior,
5.0L FFV V8 Engine, Trailer Tow pkg.,
Navigation

MSRP
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Sale Price
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2016 F350 4x4 SUPERCREW LARIAT

Stk. #T16695.
Oxford White, Black Leather Trimmed Buckets,
6.7L Powerstroke Diesel Engine,
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MSRP
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Sale Price
\$59,995



2016 EDGE AWD SEL

Stk. #T16730
2.0L I4 EcoBoost Engine, Auto Trans., Ruby Red,
Ebony Cloth, Power Liftgate, Remote Start

MSRP
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Sale Price
\$34,995



**NEW
2016**

2016 F150 4X4 SUPERCAB XLT

Stk. #T16756.
Oxford White, Grey Cloth,
2.7L EcoBoost Engine,
6-Speed Auto.

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Sale Price
\$33,995



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125 HP, 540 hours, FEL w/ bucket, PTO, 3PH, factory warranty **\$139,800**

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2303 hours, bullet rotor, factory chopper, spreader, hopper ext'n, pick-ups available..... **\$74,800**

2005 JD 9760 STS
2340 hours, Greenstar, reel speed, auto HHC, chopper, pick-up not included..... **\$87,800**

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1310 hours, auto HCC, Big Top, chopper, spreader, 185 hours on rebuilt engine, nice combine **\$49,800**

2009 IH WD1203 SWATHER
1853 hours, Outback Autoguide, hyd. tilt, with 30' header **\$43,800**

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Flex draper, 36', Ull PUR, DKD, hyd F/A, runs well **\$29,800**

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485 HP, 4229 hours, powershift, front weights, good overall cond..... **\$159,800**

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STK# SK-U01834
5.7L V-8 cyl., 6 spd auto, 43,441 km **\$26,995**

2014 FORD F-150 4X4
STK# SK-S3939A
5.0L V-8 cyl, 6 spd auto, 21,762 km **\$40,995**

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STK# SK-U01498W
5.7L V-8 cyl, 8 spd auto, 32,997 km **\$33,995**

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STK# SK-U01931A
5.3L V-8 cyl, 4 spd auto, 35,461 km **\$28,995**

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STK# SK-S3761A
5.3L V-8 cyl, 6 spd auto, crew cab, short box, 49,369 km **\$35,995**

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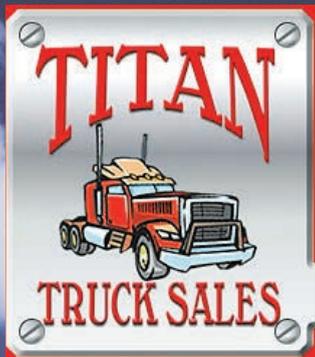
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2007 FREIGHTLINER SD

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\$29,000

2011 FREIGHTLINER CASCADIA

500 HP Detroit, DD15, 18 sp, 12 front super 40 rear, 196" WB, 4:10 gears, 4x4 diff. locks, 22.5" alloy wheels, wet kit, 848,912 km
\$49,000

2011 MACK CXU613

445 HP Mack MP8, 18 sp Mack, 12 front 40 rear, 24.5" alloy wheels, 222" WB, 3:90 gears, 1,091,290 km.
\$39,000

2010 PETERBILT 388

600 HP Cummins ISX, 18 sp, 12 front 46 rear, 4:30 gears 244" WB. 63" bunk, 4x4 diff. locks, 24.5" alloy wheels, wet kit, 981,869 km
\$55,000

2009 MACK CXU613

485 HP MP8, 13 sp, 24.5" alloy wheels, 12/40, 3:90 gears, 244" WB, 841,773 km
\$30,000

2014 MACK CXU613

445 HP MP8, 18 sp, 12/40, 3:55 gears, 22.5" alloy wheels, 224" WB. 3x4 diff. locks, 454,332 km
\$77,000

2011 WESTERN STAR 4900FA

500 HP Detroit DD15, 13 sp, 12/40, 244" WB, 22.5" alloy wheels, 3:70 gears, 3x4 diff. locks, 738,753 km
\$55,000

2007 PETERBILT 387

430 HP Cat C13, 13 sp, 12/40, 3:55 gears, 22.5" alloy wheels, 234" WB, high-rise bunk, 1,616,582 km
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2013 KENWORTH T800

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\$53,000

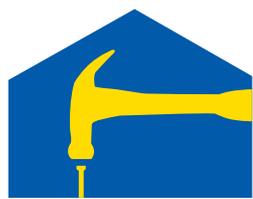
2012 PETERBILT 388

450 HP Cummins ISX, 18 sp, 12 front 40 rear, 3x4 diff. locks, 63" bunk, 244" WB, 22.5" alloy wheels, 3:90 gears, 781,522 km
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4.25"x8' Rd Treated Post	\$9 ⁴⁹
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BISON WANTED - Canadian Prairie Bison is looking to contract grain finished bison, as well as calves and yearlings for growing markets. Contact Roger Provencher at 306-468-2316, roger@cnbison.com

BISON/BUFFALO 5001

HARMONY NATURAL BISON buying finished up to \$6.25/lb HHW; Culls up to \$5.25/lb HHW; Feeders up to \$4.75/lb LW. Call/text 306-736-3454, SE Sask.

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

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.

KICKIN' ASH BUFFALO Meat Products is currently looking for all classes of bison for expanding North American market. Call Paul 780-777-2326, Athabasca, AB. or email to cabl1@telus.net

NILSSON BROS INC. buying finished bison on the rail at Lacombe, AB. for fall delivery and beyond. Smaller groups welcome. Fair, competitive and assured payment. Call Richard Bintner 306-873-3184.

WANTED: ALL KINDS of bison from yearlings to old bulls. Also cow/calf pairs. Ph Kevin at 306-429-2029, Glenavon, SK.

20-25 COWS AND ONE 2 year old bull. Nothing over 13 years of age. Downsizing. Available middle of November. Offers. Call Marvin 306-929-2775, Prince Albert, SK.

PLAIN BISON: 15 total: 12 cows/heifers and 3 bulls. Call 403-586-2404, Olds, AB.

WANTED ALL CLASSES of bison: calves, yearlings, cows, bulls. Willing to purchase any amount. dreylets1@rap.midco.net Call 605-391-4646.

BUYING: CULL COWS, herdsire bulls, yearlings and calves. Phone Elk Valley Ranches, 780-846-2980, Kitscoty, AB.

TATONKA RANCH 50- 2015 bison heifers, \$4000 ea; 100- 2016 heifer calves \$2500 Trent 250-263-3152, Ft St John, BC

CATTLE

BLACK ANGUS 5010

BURNETT BRED HEIFER SALE on Sunday, December 4, 2016, 2:00 PM at the ranch, 12 miles Southwest of Swift Current, SK. Purebred and commercial Black Angus heifers bred Black Angus, F1 Black Angus cross Tarentaise heifers bred Black Angus, F1 Red Angus cross Hereford heifers bred Red Angus. Heifers bred to easy calving Burnett Bulls. Commercial heifers start calving April 1, 2017. Contact Wyatt: 306-750-7822 or Bryce 306-773-7065 email wburnett@xplornet.ca

findit THE WESTERN PRODUCER CLASSIFIEDS

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

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

TOTAL HERD DISPERSAL SALE: Premier set of cattle, 220 head on offer. Can view at ranch. Selling at Bow Slope Shipping, Brooks, AB. on December 3. 403-363-4850

70 HEIFERS BRED to short grass bulls, June 25th to August 10th. 306-773-5909, Swift Current, SK.

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. AI'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.

MCS ANGUS will be showing and selling 3 pens of 3 Black Angus bred heifers at Yorkton Harvest Showdown, Nov. 3 and 4. Heifers are bred to sale feature Angus bull from Crescent Creek Angus. Sale is Nov. 4 at the Yorkton Exhibition Grounds at 4 PM. Call Mel 306-554-2934, Wynyard, SK.

RED ANGUS 5015

DISPERSAL SALE: 40 PUREBRED Red Angus cows, 2 to 6 yr. olds. 306-463-4053.

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

GALLOWAY 5070

GALLOWAY FEMALE SALE: November 17th to 22nd, 2016. On: LiveAuctions.TV Quiet natured females, selected for structural soundness and maternal strengths. Contact Russel 403-749-2780, Delburne, AB.

HEREFORD 5090

REGISTERED HORNED HEREFORDS: bred cows, bred heifers and open heifers. Jensen Farms, Carstairs, AB. 403-337-3766.

HEREFORD 5090



Pioneer® brand canola D-SERIES
Only from DuPont

Available at:
Prairie Co-op Lipton Lipton, SK
306-336-2333
www.dseriescanola.ca

HOLSTEIN 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.

LOWLINE 5118

BIG ISLAND LOWLINES Premier Breeder. Selling custom designed packages. Name your price and we will put a package together for you. Fullblood/percentage Lowline, embryos, semen, Black/Red carrier. Darrell 780-486-7553, Edmonton, AB.

SHORTHORN 5200

4's COMPANY 36th Annual Purebred Shorthorn Sale, Sunday, Dec. 4, 1:00 PM, Camrose, AB Exhibition Grounds. Canada's longest running private sale. Quality heifer calves, bred heifers, herdsire prospects and commercial bred heifers. View catalog online at: www.canadianshorthorn.com or call 780-763-2209. Please pre-register for online bidding at: dlms.ca

SIMMENTAL 5205

JEWELS & DIAMONDS SIMMENTAL Production Sale, Friday November 18, 1:00PM Ponoka Ag Events Center, Ponoka, AB. Selling Fleckvieh, Fullblood, Red and Black. Proven productive cows, bred heifers, open heifer calves, semen and embryos. 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

SPECKLE PARK 5215

HERD DISPERSAL FLOODED out. 5 cows: 4 speckle, 1 brown, 2nd-4th calvers. 2 heifers: 1 black, 1 speckle, all 3/4 Speckle Park or better, all bred to reg. Speckle Park bull. 5 Speckle Park calves born mid April-May from reg. bull. Pkg price \$15,000. 7/8 Speckle Park yearling bull, white with black marking, \$1800. Please call 306-338-8309, 306-338-3418, Wadena, SK.

CWA SPECKLE PARK SALE, Wednesday November 23 at 4:30 PM. Featuring fancy heifer calves, herd sire prospects, embryos and semen. For more information or a catalogue contact T Bar C Cattle Co. Ltd. at 306-220-5006. View the catalogue online at: www.BuyAgro.com PL #116061

TEXAS LONGHORN 5225

TEXAS LONGHORN & RANCH HORSE Fall Select Sale, Saturday, Nov. 19th, 1:00 PM, Crossroads Centre, Oyen, AB. On offer: Reg. cattle including heifer calves, bred heifers and cows, bull calves, yearling bulls, 2 yr. old bulls. Crossbred Longhorn heifers bred Longhorn. Also good ranch broke and team roping horses. For more information, or catalogs contact: Ron Walker 403-548-6684 or 403-528-0200. walkersu7texaslonghorns@gmail.com

ALBERTA TEXAS LONGHORN Association 780-387-4874, Leduc, AB. For more info. www.albertatexaslonghorn.com

TEXAS LONGHORN yearlings and 2 yr. old bulls; Pairs; Bred cows; Bred 2 yr. old heifers and Open yearling heifers. Well established herd of top quality, quiet cattle. Call Dean at Panorama Ranch, 403-391-6043, Stauffer, AB.

WELSH BLACK 5235

WELSH BLACK- The Brood Cow Advantage. Check www.canadianwelshblackcattle.com Canadian Welsh Black Soc. 403-442-4372.

CATTLE VARIOUS 5240

30 SIMMENTAL/RED ANGUS cross bred cows, \$1800 if picked on Oct. 19, \$1900 after that. 306-272-7321, Foam Lake, SK.

100 BLACK ANGUS HEIFERS, bred to calve April 15, exposed 42 days. Heifers from large herd with full health program. \$2000/each. 306-221-0285, Dundurn, SK.

CATTLE VARIOUS 5240

RK ANIMAL SUPPLIES - Be on target. Use the products endorsed by the professionals. RK & SULLIVAN SUPPLIES For a free catalogue: 1-800-440-2694
Shop Online
www.rkanimalsupplies.com

WANTED: YOUNG BRED red or blue roan Shorthorn cows. Call 306-734-2970, Chamberlain, SK.

CUSTOM COW WINTERING for up to 500 cows. Balance TMR rations and unlimited, excellent quality water. Cost dependant on size and condition of cattle. Ph. Ryan, D&R Livestock Ltd., 306-421-0825, Midale, SK.

30 GOOD SIMMENTAL ANGUS CROSS heifers, bred Black Simmental, Apr. to May calving, \$2000. 204-773-2824, Russell, MB

15 QUALITY HEREFORD influence heifers, very quiet. Preg checked, Erwin Lehmann 306-232-4712, Rosthern, SK.

HERD DISPERSAL: 80 Black Angus cross pairs and 80 mixed pairs, all exposed to Registered Angus bulls. Full herd health program. \$2800 per pair firm. Pasture available. 306-335-7875, Lemberg, SK.

80 MIXED CATTLE, bred heifers and cows, various prices; Also 2- 3 year old bulls for sale. Call 306-656-4445, Harris, SK.

12 SHORTHORN CROSS SIMMENTAL heifers, bred to a purebred Shorthorn bull at 4's Company Sale, Sunday, Dec. 4th, 1:00 PM, Camrose Agriplex. More info phone 780-763-2209 or canadianshorthorn.com

WANTED: LOOKING to custom feed and calve up to 200 cows. Call for more info and prices, 306-774-4952, Melville, SK.

75 SECOND AND THIRD Black and Red Angus young bred cows. Call 306-773-1049 or 306-741-6513, Swift Current, SK.

SHEEP VARIOUS 5590

SUNGOLD SPECIALTY MEATS. We want your lambs. Have you got finished (fat) lambs or feeder lambs for sale? Call Rick at: 403-894-9449 or Cathy at: 1-800-363-6602 for terms and pricing. www.sungoldmeats.com

SHEEP WANTED 5595

SOUTHERN ALBERTA LIVESTOCK EXCHANGE
Buying all classes of sheep, lambs and goats.
Contact **Darren Shaw 403-601-5165**
Same Day Trade Payment. Farm Pickup.
Competitive Pricing.
darren@livestock.ab.ca

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.skssheep.com

SWINE 5670

BUYING: Wild boar, Berkshire, Tamsworth and Black English pigs. 1-877-226-1395. www.canadianheritagegameats.com

BERKSHIRE PIGS. 36 Berkshires in total, \$10,000. Check out our Facebook at blackpig.ca 306-530-3733, Regina, SK. meganpotter@me.com

SPECIALTY 5760

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

ATTENTION ELK PRODUCERS: If you have elk to supply to market, please give AWAPCO a call. \$10 per kilo. Hot hanging. Call 780-980-7589, info@wapitiriver.com

LIVESTOCK EQUIPMENT 5790

PAYSEN LIVESTOCK EQUIPMENT INC. We manufacture an extensive line of cattle handling and feeding equipment including squeeze chutes, adj. width alleys, crowding tubs, calf tip tables, maternity pens, gates and panels, bale feeders, Bison equipment, Texas gates, steel water troughs, rodeo equipment and garbage incinerators. Distributors for El-Toro electric branders and twine cutters. Our squeeze chutes and headgates are now avail. with a neck extender. Ph 306-796-4508, email: ple@sasktel.net Web: www.paysen.com

FFS- FUCHS FARM SUPPLY is your partner in agriculture stocking mixer, cutter, feed wagons and bale shredders and industry leading Rol-Oyl cattle oilers. 306-762-2125, Vibank, SK. www.fuchs.ca

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

STEEL VIEW MFG. Self-standing panels, windbreaks, silage/hay bunks, feeder panels, sucker rod fence posts. Custom orders. Call Shane 306-493-2300, Delisle, SK. www.steelviewmfg.com

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.

LIVESTOCK EQUIPMENT 5790

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PEARSON AUTOMATIC HEAD gate, \$700; 2 round bale feeders, \$200/ea. Middle Lake, SK. 306-367-2043, leave message.

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www.cattlecreekranch.ca

FREESTANDING PANELS: 30' windbreak panels; 6-bar 24' and 30' panels; 10', 20' and 30' feed troughs; Bale shredder bunks; Silage bunks; Feeder panels; HD bale feeders; All metal 16' and 24' calf shelters. Will custom build. 306-424-2094, Kendal, SK.

CATTLE SHELTER PACKAGES or built on site. For early booking call 1-800-667-4990 or visit our website: www.warmanhomecentre.com

FROSTFREE NOSEPUMPS: Fully sustainable livestock watering. No power required to heat or pump. Prevents contamination. Grants available. 1-866-843-6744. www.frostfreeseopumps.com

GREG'S WELDING: Freestanding 30' 5 bar panels, all 2-7/8" drill stem construction, \$470; 24'x5.5' panels, 2-7/8" pipe with 5-1" sucker rods, \$350; 24'x6' panels, 2-7/8" pipe with 6-1" rods, \$375; 30' 2 or 3 bar windbreak panels c/w lumber. Gates and double hinges avail. on all panels. Belting troughs for grain or silage. Calf shelters. Del. avail. 306-768-8555, Carrot River, SK.

Misc. ARTICLES 5850

USED PORTABLE TOILETS, mostly poly John, some good, some not so good, \$300 each, take choice. 403-680-0752.

SAUDER HOT ROD work bench, Model #902-735, 59-1/2"W x 26-1/2"D x 62"H. Workbench w/built-in peg board and overhead lighting. Retail \$1000, asking \$650. Never used. 306-773-9634, Swift Current.

Consider it **SOLD**
1-800-667-7770

Misc. ARTICLES 5855

WANTED: COLLECTIONS of old used greeting cards. Pre-1960's, in good cond., with glittering, unique artwork and design. No postcards. 306-452-3745, Redvers, SK.

ORGANIC PRODUCTS 5943

WANT THE ORGANIC ADVANTAGE? Contact an organic Agrologist 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 5950

PERSONAL ADS
Personal Advertisements will not be accepted over the telephone. Only those advertisements carrying the written signature of the advertiser will be published. (Although name and address will not appear in one's ad, we must have this information for our files.) Full payment must also accompany Personal Ads.
Replies to Western Producer box numbers will be forwarded for two months.

SINGLE MALE 51 years old, seeking female 30-60 years who likes farm and country lifestyle. Please include phone number and photo. Reply to: Box 2006, c/o The Western Producer, Saskatoon, SK., S7K 2C4.

PERSONAL VARIOUS 5952

DO YOU KNOW an amazing single guy who shouldn't be? Camelot Introductions has been successfully matching people for over 22 years. In-person interviews by Intuitive Matchmaker in MB and SK. www.camelotintroductions.com or phone 306-978-LOVE (5683).

PICTURES ARE WORTH A THOUSAND WORDS!

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Place your ad on **producer.com** or call us at **1-800-667-7770**

THE WESTERN PRODUCER CLASSIFIEDS

PETS 5970

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.

REGISTERED 5970



BEAUTIFUL HARLEQUIN Great Dane male pup. Best in litter of 8. Euro-American champion bloodlines. All parentage OFA certified free of hip dysplasia. Show-bred prospect. Loving nature, not shy, not aggressive. House, leash, crate and doggy door trained. Loves car rides. Comes to call. All shots including rabies. Co-ownership possible. Will deliver within reasonable distance. Phone 250-998-4380, email sundownarabs@telus.net

WORKING DOGS 5973

HUNTING DOGS: 3 Greyhound 6 mos. old pups, outstanding hunting parents. Serious inquiries only. 403-556-0282, Sundre, AB.

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.

BLUE HEELERS PUPS for sale, ready to go. \$300. ea. Call 306-290-8806, Dundurn, SK.

IRISH WOLFHOUND and GREYHOUND pups for sale, ready to go. Call 306-290-8806, Dundurn, SK.

PUMPS 6010

AFFORDABLE RADON mitigation solution with Polywest, Liberty Pumps and Fantech! 1-855-765-9937 or visit: www.polywest.ca

REAL ESTATE 6110

ACREAGE IN CRESTON, BC., 1550 sq. ft. 3 bdrm home, RV carport, shop, attached garage, garden, fruit trees, landscaped. Mild winters, \$465,000. 250-428-2228

1980 35.5' 5TH wheel on \$400 pad, Kamloops. Beside river, park. Some work needed, \$5000. michaelswaan@gmail.com

COTTAGE/LOTS 6125

LOG HOMES AND CABINS, sidings, paneling, decking, Fir and Hemlock flooring, timbers, special orders. Phone Rouck Bros., Lumby, BC. 1-800-960-3388. www.rouckbros.com

HOUSES/LOTS 6126

OLDER FARM HOUSE, to be moved, 4 bdrm, 1-1/2 storey, well built, reasonably priced. 306-338-3624, Kuroki, SK. area.

TIMBER FRAMES, LOG STRUCTURES and Vertical Log Cabins. Log home refinishing and chinking. Certified Log Builder with 38 years experience. Log & Timber Works, Delisle, SK., 306-717-5161. Email info@logandtimberworks.com Website at www.logandtimberworks.com

LOG AND TIMBER HOMES, Saskatoon, SK. Visit www.backcountryloghomes.ca or call 306-222-6558.

HANDYMAN'S DREAM. 6250 sq. ft. building: 600 sq. ft. laundry, 3 bdrm apartment-1650 sq. ft. and 4000 sq. ft. for your dream, \$269,900. 306-735-7144, Whitewood, SK.

MOBILE HOMES 6127

IMMACULATE 2012 MODULINE MOBILE for removal, Watson, SK. 1088 sq. ft., 16x68 and 10x68 deck. 3 bdrm, 2 full baths, beautiful 4x4 skylight in kitchen, bay window in living room, central AC, nat. gas. This home was owned by an elderly couple so home is in new condition. Dealership advised this same home today would cost \$100,120. Sacrifice price \$78,000. Buyer responsible for removal and costs. Located 11 kms North of Watson. Call 306-287-8807 or email maggiesplace@hotmail.ca

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BEST CANADIAN HOMES built by Moduline 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

1981 MALCO 3 bedroom, 1 bath open concept 1132 sq. ft. mobile home for sale. Located in East College Park, Saskatoon, SK. Includes appliances, heated addition, wood fireplace, NG furnace, many upgrades: paint, laminate flooring, windows, water heater, much more. \$39,500. Can be moved. For more info. call 306-477-2993, 306-230-8545.

MEDALLION HOMES 1-800-249-3969 Immediate delivery: New 16' and 20' modular homes; Also used 14' and 16' homes. Now available: Lake homes. Medallion Homes, 306-764-2121, Prince Albert, SK.

READY TO MOVE 6128

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2800 SQ. FT. BUILDING FOR JUST \$1! This hall would make great house. For sale by owner for \$1,18 kms north of Lloydminster, SK. See details at www.halltender.com Email: sandybeachpark@gmail.com



READY TO MOVE: Available immediately 1560 sq. ft. homes starting at \$95,000. 3 bdrm, 2.5 baths, main floor laundry, master bedroom with full ensuite and walk-in closet. Spacious living area, large kitchen with island. Info. call Marvin Homes Inc., Marvin Vogt, Mitchell, MB. 204-326-1493, 204-355-8484. marvinhomesinc@live.com www.marvinhomes.ca

RESORTS 6129

VEGAS TIMESHARE. INT'L exchanges, avail. 2 bdrm., full kitchen washer/dryer, living/dining room. 306-453-2958, Carlyle.

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RECREATIONAL PROPERTY 6130

SCENIC 160 ACRES in RM of Cote 271 overlooking Pine Creek. 40 acres. cult. Minutes from Duck Mountain National Park, Madge Lake. Good hunting. Wildlife consisting of moose, elk and bear. Open to offers. Info. call 306-597-4405, Togo, SK.

FARMS & RANCHES 6131

BRITISH COLUMBIA 6131

HALF SECTION OF open farmland for sale. Fort St. John, BC. area. Cultivated. Good productive soil. Sloped North to South. Lots of wildlife. Each quarter is titled. Other land is also available to purchase. Phone 250-781-3586, e-mail: trskafte@ocool.com

178 ACRE RANCH, beautiful view of the 7 sister mountains, exc. land and water, house, barn, shop, hay shed and outbuildings, 75% fenced on Hwy #16 between Smithers and Terrace. Info. 250-849-8411.

ALBERTA 6132

WATER PROBLEMS? ELIMINATE rust, smell, bad taste, hardness, sodium odor. The Water Clinic, 1-800-664-2561, www.thewaterclinic.com

320 ACRES, Half section: Near Westlock, AB. Mostly #2 soil. High yields. Agronomy report available. Asking \$4800/acre. James 780-690-6111, Realty Executives.

1200 ACRES north of Cereal, AB., \$1,998,000. Custom built, 3 bdrm. 2.5 bath home, oil and gas revenue of approx. \$11,000. www.bigskyrealestateltd.com for more information or call 403-854-4444.

TROPHY PROPERTY IN WILDLIFE COUNTRY: Located approx. 20 kms SE of Two Hills. Approx 475 acres with trees, hills, streams and open spaces, ideal for wildlife and hunting, as well as cattle farming. Land will be fenced with brand new perimeter fencing and is all in one block for a private setting. Notable wildlife in the area includes Black Bear, Waterfowl, Moose, White-tailed and Mule Deer. More land up to 320 acres is available. ID#1100528 TWO HILLS. MODERN HOG FARM IN CHIN, AB. Modern 350 sow farrow-to-finish operation, isolated from other hog operations. New hog finishing barn, new feed mill, permit to expand to 500 sows. 1762 sq. ft. home and a shop. Livestock included, loose housing sows, electronic feed system. ID# 1100485. Real Estate Centre, 1-866-345-3414. For all our listings view www.farmrealestate.com

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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: Multiple quarters in the RM of Keys No. 303, NW 28-31-3-W2; SW 33-31-3-W2; NE 32-31-3-W2; SE 32-31-3-W2; NW 21-31-3-W2. Send offers to: eojkwalsh@gmail.com or c/o Walsh, 6984 Hagan Road, Brentwood Bay, BC. V8M 1B3.



LAND AUCTION: 2 quarters of farmland in the RM of Douglas. Online auction starting November 3 - 10. For more details visit www.kramerauction.com or call 1-800-529-9958. PL# 914618.

RM CANWOOD #494- just listed. This 140 acre scenic property is close to the Cookson pasture and the Prince Albert National Park. 1232 sq. ft. home built in 1960, 30x32 hip roof horse barn. Approx. 65 acres of tame hay. Balance is plus pasture openings. Just a great well sheltered yard. Fenced with 3 wires and treated post. MLS#584810. For further info. or to view call Lloyd Ledinski, Re/Max of the Battledorfs, 306-446-8800, 306-441-0512.

SASKATCHEWAN 6133

160 ACRES- TOBIN LAKE only 1/2 mile away. Crown Land is on the east and south of property. Stunning 2222 sq. ft. home! Exceptional architectural and craftsmanship. Re/Max Nipawin, Linda Swehla, 306-862-6390, Nipawin, SK.

FOR SALE BY OWNER: Quarter section of prime hunting land, approx 80-90 acres broke, large body of water, underground powerline, located along Supergrid 17 mi. NW of Blaine Lake, SK. Call 306-226-4646.

FOR SALE BY TENDER: 2 quarter sections of farm land. Offers are invited for the land (no minerals; no buildings except as stated below): SE-18-04-12-W2, located in the RM of Cymri No. 36 and NW-01-04-13-W2 located in the RM of Lomond No. 37 (SE 18 includes 2 surface leases, one for \$450/yr. and the other for \$2000/yr.) An offer may be made for all or any of the above lands. An offer must be in writing with a certified cheque (payable to the undersigned) for 5% of the offered price as a deposit; and placed in a sealed envelope marked "Land Tender" which reaches the undersigned by 10:00 AM CST, Tuesday, November 8, 2016. Balance of offered price is payable by cash or financing arrangements (satisfactory to the undersigned) when notice of intention to accept the offer is given. Cheques of unsuccessful offerors will be returned. Highest or any tender will not necessarily be accepted. Offerors must rely on their own research of the property to determine acreage, condition and assessment. Donald G. Horner Horner Law Office, 21 - 5th Street N.E. Weyburn, SK. S4H 0Y9.

8 QUARTERS GRAIN LAND for rent in RM Kellross 247. Located 5 miles N of Leross, SK. 306-736-9018, 306-736-3272.

FOR SALE BY TENDER- 22 Deeded Quarters and 1 Lease quarter South of Consul. 18 quarters in one block, 5 in another. 2778 acres previously cultivated (SAMA) currently in tame grass, balance is native. Land could be put back into farming production. Plenty of water in spring filled dugouts, run-off dugouts, and dams. Old dike system in place could flood some land again. Call for auction details. MLS# ID#1100522 CONSUL. Tenders close Oct. 31, 2016 at 2:00 PM. Real Estate Centre, 1-866-345-3414. For all our listings view www.farmrealestate.com

RM DOUGLAS: 6 quarters, high assessed, MLS#584933; **RM Redberry:** 1 quarter with house (handyman special), MLS#580216; **RM Eagle Creek:** 1/2 section mixed farm with bungalow, MLS#580211; **RM Redberry** Acreage: 14.8 acres, 1.5 storey house, 2 car garage and hip roof barn, MLS#582845. Call Mike Janostin, Great Plains Realty Inc., 306-481-5574, greatplainsrealty.ca

RM COTE 271: 6 quarters grainland, Class A soil. 1400 sq. ft. bungalow, natural gas, school bus at door, Willing to sell quarters separately. Call 306-597-4405, Togo, SK.

SASKATCHEWAN 6133

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SASKATCHEWAN 6133

LAND FOR SALE BY TENDER. RM of Clinworth No. 230, owned by Lloyd & Wayne Shier. NW 27-22-23 W3 Ext 0, approx. 157.06 acres; SW 27-22-23 W3 Ext 0, approx. 157.14 acres; NE 28-22-23 W3 Ext 0, approx. 157.26 acres; SE 28-22-23 W3 Ext 0, approx. 157.37 acres. Excellent high assessed land in a 1 mile square block in RM No. 230, 3 miles north of Lemsford. Tender includes all improvements with the exception of the 70 ton fertilizer bin and 4500 bu. Westeel bin on the SW 27-22-23 W3. Significant information including soil samples, improvements and past yields available upon request. Tenders must be submitted to the law firm, Anderson & Company by 12:00 PM Noon, Thursday, November 17th, 2016. A cheque for 5% of the amount of the tender must accompany the tender. (Cheques will be returned to unsuccessful bidders). Highest or any bid not necessarily accepted. Bidders must rely on their own research and inspection of the property and confirm acreage (acreages shown are approx.), condition and other particulars at their own risk. The yardsticks have been vacant for some time and bidders are warned to be aware of any dangers on the yardsticks which may be unknown to the vendor. Bids will be accepted on the parcel as a whole, or on individual parcels. No tender shall be accepted which is subject to financing. Bidders will not be called for an auction to determine the successful bidder. Please forward tenders and inquiries to: Joel P. Friesen, Anderson & Company, Barristers & Solicitors, 51-1st Avenue NW, Swift Current, SK S9H 0M5. Re: Shier Tender. Phone: 306-773-2891.

RM FRENCHMAN BUTTE. For sale by tender with bids closing Nov. 15, 2016. NW-6-55-23-W3. 160 acres suitable for pasture with excellent hunting potential abutting wildlife lands and provincial forest. Details at: www.topottlandtender.ca or contact Vern McClelland, Re/Max of Lloydminster, 780-808-2700

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FARM HAND NEEDED. Family Ties Angus of Marwayne, AB. is looking for a full-time hired hand from Nov. 1 until April 15 to calve cows and daily farm chores. Possibility to go on the fall show road also. Cattle experience is a must. Housing available on site. 306-307-0055, 780-214-2273.

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The Canadian Meat Council is looking for a **DIRECTOR of Beef and Veal**

REPORTS TO: Executive Director, CMC and Chair of Beef and Veal Committee

LOCATION: PREFERABLY OTTAWA, ONTARIO;
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POSITION SUMMARY:

- The Canadian Meat Council and the Beef Veal Committee aim to advance cattle/calf processors' common industry interests in Canada with priority given to three focus areas: trade and market access, regulatory affairs and access to labour.
- The Director of Beef and Veal will provide leadership to executive level member company representatives in coordinating and developing common positions, policies and engagement strategies. The successful candidate will be equally at ease advocating for these positions at the highest levels of Government.
- The successful candidate will hold a post-secondary degree and have a minimum of 8 years' working experience in a related field. Preference may be given to candidates who are international trade, beef processing or regulatory affairs professionals.

A more detailed job description can be found at www.cmc-cvc.com.

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Laurence Lavallee at laurence@cmc-cvc.com
Application deadline: **November 15, 2016**

FARM HELP REQUIRED. Large Cash Crop-Beef/Poultry Operation in Ontario requires a motivated self-starter. Must have own transportation, reliable and good communication skills are a must. Long hours during prime season. Must have knowledge of both livestock and farm equipment. Willing to train the right person. Must have a vision of a long term career as expansion of the operation is underway. Excellent opportunity for the right person who wants to move an Ag Career forward. 416-580-5714, 416-236-1871, ext. 349.

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CALEDONIA ELMSTHORPE COMMUNITY Pasture Inc. is accepting bids for the 2017 Pasture Manager position. 306-868-7822

MANAGER POSITION. Thunder Bay Cop Farm Supplies is looking for a Manager to be responsible for the overall management of sales and service for our farmer members and customers. The successful candidate will be able to enhance member and customer satisfaction and meet sales, service and profitability goals. This energetic individual should have excellent communication and leadership skills to manage staff effectively and report to the Board of Directors. For more details on the position go to: www.agcareers.com/thunder-bay-co-operative-farm-supplies/manager-job-565998.cfm <https://tbscia.wordpress.com/2016/10/14/manager-needed-for-thunder-bay-co-op-farm-supplies/> Mail resume to F. Breukelman, 106 Blake-Scoble Rd, Neening, ON P7L 0C2.

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MAKING HAY | Hugh Greaves took advantage of nice weather to make round bale silage earlier this month on his farm near Miami, Man. | JEANNETTE GREAVES PHOTO

HEALTH

Hindu scientist makes case for eating beef

Nutritional study shows people who eat beef are less likely to suffer from vitamin or mineral deficiencies

BY BARBARA DUCKWORTH
CALGARY BUREAU

EDMONTON — Sangita Sharma does not eat beef, but she may be one of the best friends the industry has.

"I am a Hindu and I don't eat it, but as a scientist I am promoting beef," she said.

She has become such a strong advocate for beef that she believes retail beef should be labelled as a good source of iron, zinc and B12.

"I don't understand why the beef industry is not putting labels on that saying this is a nutrient dense product," she said at the Livestock Gentec conference held in Edmonton Oct. 18-19.

The University of Alberta nutritionist has spent nearly 25 years assessing the nutritional needs of people in 22 countries. She has found too many people are not getting essential nutrients from the food they eat and are suffering zinc, iron and B12 deficiencies.

"Those who ate beef were more likely to meet the dietary requirements of iron, zinc and B12," she said.

She advocates a balanced diet with adequate servings of dairy, vegetables, fruit, whole grains and meat. Beef is high on her list of recommendations.

"If half of the schoolchildren in this province brought home information on the benefits of beef and influenced family shopping to include just two roasts per month, it would result in an additional \$135 million per year in roast beef sales," she said.

There is a general lack of nutrition information available. Teachers do not have the information and many families have not learned which foods are most beneficial.

"Kids don't know what to eat," she said.

Sharma, who is chair of indigenous health at the university, has looked at the diets of Aboriginal people, new Canadians, pregnant women, children, teenagers, seniors and people living in isolated or remote locations. Many are not eating nutrient dense food such as beef.

"There is very little data in Canada that identifies whether the children are meeting the nutrient requirements and what they may be inadequate in," she said.

Those inadequacies were confirmed after she and her team conducted interviews with more than 500 children in Edmonton that showed many did not meet dietary requirements.

Those interviews found that a quarter of the girls and 10 percent of the boys were not meeting their iron requirements. The study also discovered that 55 percent of girls and 40 percent of boys were not getting enough zinc and 45 percent of girls and 25 percent of boys were not getting enough vitamin B12.

The next step was to launch an

initiative called Why Act Now, which has turned into an education program. It has expanded across Edmonton public and separate schools to teach young people the benefits of eating meat, eggs and dairy as part of a healthy diet. It includes educational material, cooking classes and contests.

The goal is to expand the program to all Alberta schools.

Dietary imbalances are serious.

Children who do not receive enough iron suffer from poor cognitive performance, poor growth and development, impaired immune response, decreased resistance to infection, tiredness, dizziness and poor fetal development.

Spinach is rich in iron, but 3 1/3 cups would be needed to match the iron content of 75 grams of beef, which is the recommended serving in Canada's Food Guide.

Menstruating girls need more iron.

"Every month they are losing blood and if they do not meet their iron requirements they do not meet their intellectual potential," she said.

Low body weight, shorter stature, poor immunity and skin problems are linked to zinc deficiencies.

A lack of B12 causes poor energy, muscle weakness, trouble concentrating, depression, confusion, loss of memory, weight loss and nerve damage resulting in loss of feeling. Damage can be irreversible or the person may develop pernicious anemia.

A person would have to eat two and a half chicken breasts to get the same amount of B12 in one serving of 75 grams of beef, which is the necessary amount.

Seniors are more susceptible to

deficiencies because they may live alone or do not want to buy or cook beef because they feel it is expensive.

B12 deficiency in seniors can mimic dementia or Alzheimer's symptoms.

"One percent of over 60 year olds do not have sufficient B12," she said.

Sharma wants to research what seniors are being fed in long-term care facilities and develop recommendations to provide more nutrient dense food to those preparing meals.

Young people who decide to eliminate meat from the diet suffer the consequences.

"Teenagers who have these food fads and decide they are vegetarian or vegan don't actually replace that meat with another source of B12," she said.

"A B12 deficiency can be fatal."

New Canadians who have arrived in the last five years probably do not eat beef. They have less money, access to medical care or healthy food. They may not know where to buy meat or are unfamiliar with preparation.

She also wants to work with commodity groups to promote healthy eating, she said in an earlier interview.

"I want to work with people that are providing nutrient dense foods, whether that be milk, eggs, chicken or beef," she said.

"We want to work with industry partners who are producing those foods so we can show that the children need to have more nutrient dense foods and less of the pop, chips. We would like to work with anybody that we see is producing food of value to children to address the inadequacies we found."

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MICHELLE HOULDEN ILLUSTRATION

TIME TO MOVE



It is a frosty morning as riders move cattle from their summer range back to winter pastures at the Black Diamond Land and Cattle Company near Millarville, Alta. | WENDY DUDLEY PHOTO

NEWS BRIEFS

TRANSPORTATION

Delayed harvest hits CP profit

REUTERS — Canadian Pacific Railway reported lower-than-expected quarterly results and cut its full-year earnings forecast, due mainly to a delayed grain harvest and lower crude oil volumes.

The company said it now expects 2016 profit to grow in the mid-single digits, compared to the double digit growth it had expected in June.

“Given the delayed grain harvest, lower crude volumes and persistent economic challenges compounded by a strengthening Canadian dollar, we are now expecting mid-single-digit EPS growth this year,” chief executive officer Hunter Harrison said.

Revenue fell more than nine percent to \$1.55 billion, missing analysts’ estimates of \$1.61 billion, according to Thomson Reuters.

However, a 6.2 percent decrease in costs helped the company post a higher quarterly profit.

The company said its profit rose to \$347 million, or \$2.34 per share, in the third quarter that ended Sept. 30, from \$323 million, or \$2.04 per share, a year earlier.

Excluding items, the company earned \$2.73 per share, below estimates of \$2.79.

CROP SURVEY

China to cut corn, boost soybeans

BEIJING, China (Reuters) — China will reduce the area planted with corn and lift soybean acreage in the next five years, says the country’s cabinet, reiterating goals outlined earlier this year to adjust the nation’s crop structure to better meet demand.

China has encouraged farmers to expand corn planting and abandon soybeans in recent years by paying them inflated prices for corn. The policy, abandoned earlier this year, has left China with huge reserves of corn.

The government is now attempting to reverse that trend while also seeking ways to use up its huge stocks of grain.

The corn acreage is set to fall by .7 percent each year over the next five years to reach 82.3 million acres by 2020, showed the five-year plan.

Soybean area will rise to 23 million acres by 2020, up from 15 million in 2015.

The government also wants to promote “deep processing” of agricultural products such as corn and accelerate consumption of the grain, cotton and oil stockpiles, it said.

It did not give details on how such goals would be achieved, but the market is expecting further stockpile sales and government subsidies for processing.

Meat output is also set to grow slightly with promotion of large-scale farming of pigs and beef cattle, while dairy production should jump from 38.7 million tonnes to 41 million tonnes by 2020.

IMMIGRATION

Immigration programs target rural Canada

JEFFREY CARTER

FOR THE WESTERN PRODUCER

BLYTH, Ont. — Manitoba is having success attracting more immigrants to its rural communities, says Naomi Finseth of Brandon University’s Rural Development Institute.

“We have been able to get 20 percent of newcomers arriving to Manitoba to settle in rural areas — that’s everywhere outside of Winnipeg,” she told the recent Rural Talks to Rural conference in Blyth.

“Most of the other provinces have only been able to get about six percent to do that.”

Jobs need to be filled in Manitoba, and immigration helps revitalize communities and maintain or build their population.

Success is also measured in how newcomers are welcomed and accepted, regardless of their cultural background or faith.

Finseth pointed to the annual Winter Festival in Brandon as one of several efforts to make it easier for newcomers to become part of the community.

Most newcomers to Canada settle in the big city, but there are also rural opportunities that in many cases are the preferred option.

Oliver Pryce, training and development co-ordinator with the Rural Employment Initiative, is



Lena Gahwi, left, Shetha Roomi, Naomi Finseth, Gemma Mendez-Smith and Oliver Pryce spoke recently at a conference about promoting rural areas to new immigrants. | JEFFREY CARTER PHOTO

working to connect immigrants in Toronto with Ontario’s rural communities.

Pryce, who immigrated to Canada from Jamaica, where he worked as a college professor, said newcomers often have a rural background like himself.

“They think when they’re in Toronto, ‘this is big city, I should be able to get a job,’” he said.

Unfortunately, the jobs often taken by newcomers do not match their skills and potential.

“When people come to the GTA (Greater Toronto Area), they go into survival mode,” he said.

“They take any job that comes along.”

The Rural Employment Initiative is collaboration between Ontario’s 60 Community Futures Development Corporations and the Newcomer Centre of Peel and funded by the Ontario Trillium Foundation.

Its services are open to immigrants who are permanent residents or have been designated as a Convention Refugee, who are unable to return to their country of origin for fear of persecution. They must be job ready, actively seeking work in their profession or willing to establish a business in rural

Ontario and have sufficient English language skills.

Support is also available for potential employers and the communities where their businesses are located.

“If there are no settlement services in your community, our objective is to work with you,” Pryce said.

Gemma Mendez-Smith, executive director of the Labour Market Planning Board that serves Huron, Grey, Bruce and Perth counties, said it’s important that newcomers realize there’s more to Canada than its cities.

“As we look to fill those job shortages, we could look at a different ways of filling that gap, and one way is to look at newcomers and the talents they bring with them,” she said.

Al Lauzon with the School of Environmental Design and Rural Development believes more should be done to attract migrants to rural communities.

“We’re really looking for migrants to help with our work force, but rural communities have had a hard time attracting immigrants,” he said.

Lauzon sees rural Canada, which represents 31 percent of the country’s gross domestic product and 31 per cent of its population, as an often neglected but essential part of Canada.

RURAL TALKS TO RURAL

Rural residents, gov't need to adopt positive attitudes

Instead of looking at what they don't have, rural communities should look at advantages and opportunities to change things for the better, says report

BY JEFFREY CARTER
FOR THE WESTERN PRODUCER

BLYTH, Ont. — Canada's rural communities should be viewed as a reservoir of untapped potential, according to the speaker who opened the Rural Talks to Rural conference here Sept. 28.

"Despite what they may think in Toronto, the world does not revolve just around Toronto. Rural Canada makes an important contribution," Al Lauzon of Ontario's University of Guelph said.

According to the 2015 report, the *State of Rural Canada*, written by Lauzon and others attached to School of Environment Design and Rural Development, "rural Canada has, is and will continue to be viable and vital to Canada.... The bulk of the dollar value of our international trade is from the export of natural resources, and those natural resources are almost entirely produced in non-metropolitan Canada."

Much of today's urban population is unaware of the diverse nature of rural Canada and how it has evolved, Lauzon said.

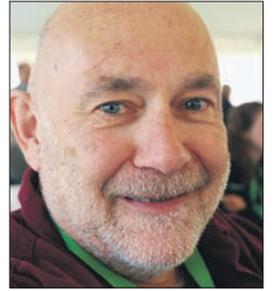


The \$4 million restoration of the Blyth Centre for the Arts in Blyth, Ont., is an example of how Canada's rural communities can build for the future. | JEFFREY CARTER PHOTOS



We need to talk less about what we're losing and more about what we can do.

AL LAUZON
RURAL PLANNER



In agriculture, farmers have an important role but are often no longer central to local economies, he said. There are fewer farm families and much of the wealth generated by primary agriculture goes elsewhere.

Manufacturing has also been in sharp decline, and forestry creates relatively few jobs.

Declining population is an overriding concern, he said. So is limited access to services in such areas as health and education and the deterioration of basic infrastructure like roads and bridges.

Lauzon said child mortality is higher in rural Canada, life expectancy is shorter, rates of obesity and suicide are higher, substance abuse more common and more rural seniors suffer from chronic disease than in other parts of Canada.

It's time for a change in attitude, Lauzon said, within government circles and within rural communities themselves.

"We need to talk less about what we're losing and more about what we can do."

Lauzon pointed to Quebec as a model. The government there has invested in its rural areas where economic growth has outstripped that of Montreal in recent years.

The study makes several recommendations:

- develop a long-term vision for rural Canada
- support investments in innovation for small and medium-size businesses
- maintain and invest in rural services and infrastructure
- encourage a culture of collaboration among rural communities, including aboriginal and non-aboriginal communities
- encourage new immigrants to Canada to consider rural communities as the place to build their lives

light, according to Jim Ginn, mayor of Central Huron.

He said the process isn't prescriptive but offers people a forum in which they can ask questions and share ideas.

Through the Healthy Rural Lens process, participants examine different aspects of their communities, including economic drivers, the natural environment, services, heritage, downtown development and transportation, with the idea of finding ways to enhance and build on what's already there.

During the discussion, speakers pointed to positive developments in several locations.

Lauzon spoke of the \$4 million investment in the Blyth Centre for the Arts, street improvements in the hamlet and the launch of Cowbell Brewing Inc., which is expected to create more than 100 jobs.

Wayne Caldwell, a professor of rural planning at the University of Guelph, talked Goderich's response to the 2011 tornado that struck the town's downtown core. He noted how investments in the hamlet of Brussels led to the redevelopment of the entire main street and in the town of Kincardine where the focus on community living services and downtown revitalization is attracting newcomers.



DAN MATHIESON
STRATFORD MAYOR

Dan Mathieson, mayor of Stratford, said his small city has benefitted from a long-term investment that began in 1999 when more than 80 kilometres of fibre optic cable with 300 access points began to be installed. It made the city one of the most connected in the world.

The multimillion-dollar investment has given young people a reason to build their future in Stratford and has helped attract investments, small and large, including the Stratford Campus of the University of Waterloo and the Royal Bank of Canada's national data centre, which generates \$1.5 million in annual revenue for the city and employs 90, he said.



JIM GINN
CENTRAL HURON MAYOR

A tool being employed in Huron County where the conference was hosted encourages rural leaders to look at their communities in a new

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FARMLIVING

TRICKS OR TREATS

TEAM counters the sugar rush that Halloween brings with a host of healthy meal options that use some seasonal ingredients. | Page 46



FARM LIVING EDITOR: KAREN MORRISON | Ph: 306-665-3585 F: 306-934-2401 | E-MAIL: KAREN.MORRISON@PRODUCER.COM

ON THE FARM

Family proud of putting food on tables

Owners of Teal's Meats supply customers with beef, pork and goat raised and processed on Ontario farms

BY ROBERT ARNASON

BRANDON BUREAU

Mark McCutcheon can't help himself. When he talks about a segment of customers who come to his butcher shop, he lets out a sigh.

McCutcheon thoroughly enjoys the meat business, producing high quality sausage and cuts of meat for loyal clients.

Nonetheless, the questions can cause his blood to boil.

"What really makes me (frustrated) is people will pick up bacon, which they know has nitrates and is full of salt and is not the healthiest choice of food. Then they'll look at beautiful, AAA marbled strip loin steaks, and they'll ask, are they grass fed?" said McCutcheon, who runs Teal's Meats near Waterford, Ont. with his wife, Anna Haupt.

"They don't ask if the bacon is grass fed or antibiotic free."

McCutcheon's other pet peeve is the standard question about chickens.

"They always ask, is your chicken grain fed? You look at them like, what the heck else do you feed chickens?"

"You learn pretty quick, when dealing with the public, that they really have no idea (about farming)... They've really distanced themselves from agriculture."

Prior to selling meat and raising Evi, 8, Helaina, 6, and Anya, 2, McCutcheon grew up on a dairy farm in Thorndale, Ont. Haupt was raised on a farm near Hagersville, south of Brantford.

They met at the University of Guelph, where they both studied agriculture. After graduation they wanted to farm but taking over the McCutcheon family dairy wasn't an option.

McCutcheon's dad wasn't ready to retire and McCutcheon had several younger siblings.

"I decided, since I was the oldest, it was going to be me to leave the operation."

McCutcheon took a job with a local butcher and developed an interest in meat cutting. In 2009, McCutcheon and Haupt spoke with the owners of Teal's Meats near Hagersville, then bought the business, nearby farmhouse and 80 acres of land.

Haupt and McCutcheon were fortunate that Teal's had an established brand of farmer's sausage, well known in grocery stores in the area.

They sourced pigs and cattle from local suppliers and began selling fresh cuts of meat.

Haupt started a small herd of Boer goats and the couple now sells goat meat.

The expanded product line has generated new customers, sources



ABOVE: Anna Haupt and Mark McCutcheon walk through the field with their children, Anya, Helaina and Evi, to check on their buck and doe.

BELOW: Haupt's father, Ferdinand, harvests soybeans. | SHARON GROSE PHOTOS

ON THE FARM



ANNA HAUPT & MARK MCCUTCHEON
Hagersville, Ont.



of income and questions about livestock and meat.

"A lot of people ask... why don't you have organic pigs? Why don't you have backyard pigs?" McCutcheon said. "I tell them, we make close to 100,000 pounds of sausage per year. That's a lot of backyard pigs."

The challenge is to move past catchphrases like antibiotic-free or grass fed and talk about the realities of farming. That includes talking about treating a sick calf with pneumonia with an antibiotic.

"They (clients) say, OK. We understand what you're doing and we understand why," Haupt said. "That's what keeps them coming back."

McCutcheon and Haupt have many loyal clients that make the work satisfying.

"Having those customers that come in the door the first time, saying they've never been here before.... Then next thing they're a regular customer," Haupt said.

"It's a pretty nice sense of pride to



see that. You're doing things right and people are appreciating that."

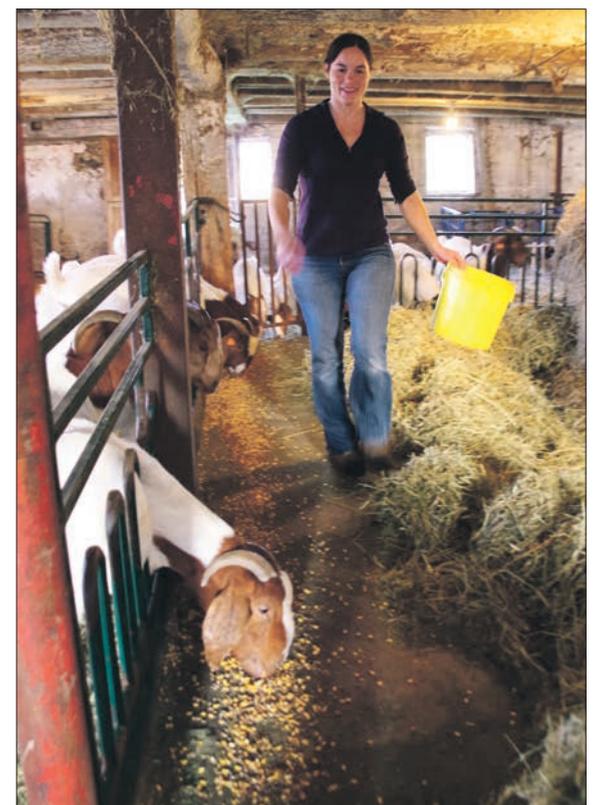
This past summer, they moved into a new processing plant that also has a kill floor, which will allow them to butcher animals on site.

They also added acres to the farm

and have expanded the goat herd.

Many days are crazy and stressful but Haupt and McCutcheon are content.

"At the end of the day, it's a really nice lifestyle.... Our butcher shop is here on the farm, the house is here," Haupt said.



"Demand for goat meat outstrips supply in Canada," says Haupt. "Canadians are just starting to discover what the rest of the world already knows: chevon is a leaner red meat."

"My kids don't have to go to day-care. They're here with us, all the time. (And) they think it's really neat that Mama and Papa are making food and that it ends up on people's tables."

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HAZARD REDUCTION

Agriculture rife with dangers

BY KAREN MORRISON
SASKATOON BUREAU

CHARLOTTETOWN — Farmers showed a three-fold reduction in their rate of injuries when applying four of six steps commonly used in hazard reduction in industrial workplaces.

Niels Koehncke of the Canadian Centre for Health and Safety in Agriculture presented the findings of the study led by the centre's Jim Dosman at the Canadian Agricultural Safety Association's annual conference in Charlottetown earlier this month.



NIELS KOEHNCKE
CANADIAN CENTRE FOR HEALTH AND SAFETY IN AGRICULTURE

"This study suggests taking a number of steps to identify the risk and (trying) to manage them in the production process can reduce risk and the likelihood of getting hurt," said Koehncke.

The most important finding of the Saskatchewan Farm Injury Cohort Study is that farms embracing the

HIERARCHY OF CONTROL

- hazard identification
- risk assessment
- personal protection
- administrative controls
- engineering controls
- elimination of the hazard

9%

OF FARM OWNER-OPERATORS SAID THEY ALWAYS ELIMINATED INJURY HAZARDS

principles of these preventive strategies may be effective in controlling workplace injuries.

There was a prevalence rate for any farm injury of 10 percent in individuals reporting low adherence to the system, compared with about three percent in those using four steps.

The study, which surveyed 1,196 Saskatchewan farm operations, looked at current practices of farmers and farm injuries.

It starts by identifying the hazards and taking steps to reduce them, such as wearing personal protective equipment, changing how a procedure is performed and eliminating the risk altogether, said Koehncke.

"Agriculture is a risky profession

and there are multiple ways to hurt yourself with hazards and risks, not the least of which is long work hours that result in injury," he said.

The hierarchy of controls steps included identifying hazards on the farm, doing risk assessments, using personal protection devices, adopting administrative controls such as job training, engineering improvements in design and construction and eliminating hazards.

Thirteen percent of farm operators reported an injury with seven percent having injuries serious enough to require medical care.

The largest proportion of farmers reported administrative controls and engineering controls as the highest steps adhered to at 26 percent and 39 percent, respectively.

Only nine percent of owner-operators reported always eliminating the hazard.

Eleven percent of farm owner-operators said they did not consistently adhere to any of the steps.

The hierarchy of control industrial model is not generally applied in farm workplaces, so the survey offers key ways to make farms safer, said Koehncke.

He said the results will be shared at conferences and in research papers but also through the Saskatchewan Association of Rural Municipalities' voluntary health and safety network.

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ACCIDENT PREVENTION

Old way may not be best way, says safety expert

Survey shows farmers are paying more attention to safe practices, but injury statistics are still 'awfully high'



KAREN MORRISON ATTENDED THE CANADIAN AGRICULTURAL SAFETY ASSOCIATION ANNUAL MEETING IN CHARLOTTETOWN AND FILED THESE REPORTS

CHARLOTTETOWN — Seventy-five percent of farmers think they do their work safely most of the time, but four in 10 reported injuries in a new Farm Credit Canada survey.

In the study, 11 producers reported a personal, family or employee injury in the last decade.

Robin Anderson of the Canadian Agricultural Safety Association, who shared the findings at her group's annual conference in Charlottetown earlier this month, called those injury reports "awfully high."

"We don't see minor injuries or close calls listed, so there might be a disconnect where farmers are saying, 'I do things safely all the time or most of the time,' but then we're not seeing that reflected in the death stats and injury rates," she said in an interview.

Respondents listed family, worker and personal safety among their top reasons for improving safety on farms, with legislation and regulation listed near the bottom.

Many farmers point to old habits as impeding such improvements.



ROBIN ANDERSON
CANADIAN AGRICULTURAL SAFETY ASSOCIATION

"This is the way I've always done things' isn't the safest way," she said.

Anderson said 11 percent of producers reported having written safety plans, which represents a small but encouraging increase over the results of a similar survey done four years ago.

Farmers like to receive printed materials and said their safety knowledge largely comes from suppliers, farm and commodity associations, provincial agricultural associations, the provincial government, CASA, St. John's Ambulance and the Red Cross.



CASA says teaching children about safety is the first start. At a safety session this summer in Lethbridge, a dummy was used to show what can happen when using an auger without guards.

| FILE PHOTO

"Producers have a strong relationship with their agribusiness reps. They have the ear of those farmers already."

Anderson said most desired increased safety on the farm but were negative about government legislation.

"We felt a lot did not know about OHS (occupational health and safety) that applies to their farms," she said, noting the impact of Alberta's Bill 6 was felt across the country.

This year's CASA conference focused on keeping children safe, with the theme shifting to adults for its 2017 meeting and to senior adults the following year.

"We started with the youngest, who will grow up to be our future farmers and who are integral to the success of Canadian agriculture and securing its future. We are talking about how we can instill the love of agriculture without endangering them and harming that future," said Anderson.

She pointed to the high incidence of machine runovers involving children and stressed the need for improved safety measures.

"Some culture shifts are needed to keep them out of places where that could happen," Anderson said.

Accident rates are high for senior adults and are often the result of age-related challenges such as slower reaction times, use of medications and memory impairment.

"Senior farmers depend more on remembering instead of instinct," she said.

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ADVANCING WOMEN IN AGRICULTURE

Managing stress helps ensure golden years shine: doctor

BY KAREN MORRISON
SASKATOON BUREAU

TORONTO — Recognize periods of high stress in life and learn to manage them, delegates were told during the Advancing Women in Agriculture conference in Toronto this month.

Dr. Marla Shapiro shared her own story facing breast cancer, the sudden death of an infant and the fatal illness of a 25-year-old daughter.

“Stop and give yourself time to act as opposed to react,” she said, citing the increased health risks from sustained levels of stress.

Shapiro suggested taking time for yourself, learning to say no, getting help from family, friends and the community, recognizing that the grief is shared with others and finding ways to move ahead in life. For her, that meant starting a foundation in her daughter’s name.

Shapiro said managing stress is one way to age well in a time when women are living longer.

Data shows women who reach age 65 are expected to live 20 more years, while men are likely to live another 17 years.

Shapiro said 60 may be the new 40, but it all depends on managing key areas.

“You can’t always control what life give us, but what we can control is what you do with it,” she said.

“Focus on yourself. Without it being a priority to you, you won’t make changes.”

Shapiro said no diet plan is better



TIPS FOR AGING WELL:

- be active
- eat well
- quit smoking
- limit drinking
- get sufficient sleep

Regular exercise helps prevent other health issues. | FILE PHOTO

than another.

“What matters is that you stay on a diet that works for you, that will sustain your weight,” she said. “Weight is a predictor of many concerns.”

For example, she said a person’s current body mass index can be a predictor of dementia two decades later.

Estrogen offers protection from heart disease, a top killer, but dissipates with menopause and declining levels in the body. In addition, enzymes that chew up fat decline as estrogen declines.

Shapiro said it’s common to see fat gathering on the hips and migrating to the midsection.

“Fat in the centre of the body is very unfriendly,” she said. “If your

waist circumference is more than 35 inches, it’s a problem.”

Don’t be a weekend warrior when it comes to exercise.

“You can’t make it all up on the weekend. That’s a good way to injure yourself,” she said. “Be more active through the whole week.”

Shapiro noted the value of fitness trackers that are now common.

“Get up and move throughout the day.”

She cited the importance of preventive screenings for cholesterol, colonoscopies and mammograms, and after 60, bone density tests.

“If I had waited till my 50th birthday for my first mammogram, I wouldn’t be here talking to you today.”

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INFORMING EMPLOYER

Disclosing diagnosis of depression

HEALTH CLINIC



CLARE ROWSON, MD

Q: I suffer from depression and need to take time off work. Should I tell the truth to my employer or must I pretend to have another, more acceptable, medical illness in case I lose my job?

A: There are risks and benefits to disclosing your experience of a mental illness.

If you do disclose, you and your supervisor may figure out strategies that help you stay at work.

For example, you may change the way you complete tasks or change the tasks you do.

By law, workplaces have to try to look at reasonable accommodations for anyone who experiences a disability, including a mental illness. Disclosing may help other people in your workplace understand any changes or difficulties that they’ve noticed.

But by law, you don’t have to tell your employer what is causing a disability, reports the Canadian

Mental Health Association.

You just need to say that you’re experiencing health challenges. Your employer may need information from your health-care provider about your abilities and difficulties, but they don’t need your diagnosis.

You have the choice whether to disclose more information.

Perhaps your supervisor or boss could help make your job less

stressful for you.

On the other hand, disclosing the diagnosis can lead to stigma or discrimination. It may also affect your future chances of employment.

There are Canadian laws that attempt to prevent this kind of discrimination, but it can still happen.

Clare Rowson is a retired medical doctor in Belleville, Ont. Contact: health@producer.com.



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MONDAY, NOVEMBER 21

8:00 AM
Canadian National 4-H & Youth Judging Competition presented by TD and Federated Co-op - Chevrolet GMC Stadium
9:30 AM
Boer Goat Show - ITC Hall B
10:00 AM
Commercial Trade Show Exhibits Open
10:00 AM
Burning of the Brand - John Deere Sale Arena
10:15 AM, 12:15 PM, 2:15 PM
Milking Demonstrations - Ag-Ex Pavilion
11:00 AM
Agribition High School Rodeo presented by A&W - Brandt Centre
12:00 PM
Living Sky Winery Garden Open - Co-operators Centre Arena 2
1:00 PM
Youth Showmanship presented by TD and Merck Animal Health - Chevrolet GMC Stadium
1:00 PM
Team Grooming presented by TD and Weaver Leather - Chevrolet GMC Stadium
7:00 PM
Winners Circle Auctioneer Competition & Horse Pull Auction presented by Ritchie Bros. Auctioneers - Chevrolet GMC Stadium

TUESDAY, NOVEMBER 22

9:00 AM
Chore Team Events presented by Young’s Equipment - Brandt Centre
9:00 AM
Boer & Dairy Goat Show - ITC Hall B
10:00 AM
Commercial Trade Show Exhibits Open
10:15 AM, 12:15 PM, 2:15 PM
Milking Demonstrations - Ag-Ex Pavilion
10:30 AM
First Lady Classic & Futurity presented by Merck Animal Health - Chevrolet GMC Stadium
11:00 AM
President’s Classic presented by Semex Beef - Chevrolet GMC Stadium
11:00 AM
Canadian National Bison Sale - John Deere Sale Arena
12:00 PM
Living Sky Winery Garden Open - Co-operators Centre Arena 2
12:00 PM
Trainer’s Challenge - Brandt Centre
1:15 PM
Light & Middleweights Canadian Horse Pull Finals - Brandt Centre
4:00 PM
Chore Team Events presented by Young’s Equipment - Brandt Centre
6:00 PM
Boer Goat Sale - ITC Hall B
7:00 PM
Full Contact Jousting presented by Regina Nissan - Brandt Centre

WEDNESDAY, NOVEMBER 23

9:00 AM
Chore Team Events presented by Young’s Equipment - Brandt Centre
9:00 AM
Canadian National Speckle Park Show - Chevrolet GMC Stadium
9:00 AM
Simmental Show - Chevrolet GMC Stadium
10:00 AM
Commercial Trade Show Exhibits Open
10:15 AM, 12:15 PM, 2:15 PM
Milking Demonstrations - Ag-Ex Pavilion
12:00 PM
Living Sky Winery Garden Open - Co-operators Centre Arena 2
12:00 PM
National Gelbvieh Show - Chevrolet GMC Stadium
12:00 PM
Trainer’s Challenge - Brandt Centre
1:00 PM
Angus Masterpiece Sale - John Deere Sale Arena
1:30 PM
Heavyweights Canadian Horse Pull Finals - Brandt Centre
4:00 PM
Chore Team Events presented by Young’s Equipment - Brandt Centre
4:00 PM
Maine-Anjou Show - Chevrolet GMC Stadium
4:30 PM
Speckle Park Sale - John Deere Sale Arena
7:00 PM
Simmental Sale - John Deere Sale Arena
7:00 PM
Agribition Pro Rodeo presented by Ford (Indigenous Theme Night) - FREE ADMISSION courtesy of The Mosaic Company - Brandt Centre

THURSDAY, NOVEMBER 24

8:00 AM
International Stock Dog Championship Trials - Brandt Centre
9:00 AM
Black Angus Show - Chevrolet GMC Stadium
9:30 AM
Limousin Show - Chevrolet GMC Stadium
10:00 AM
Commercial Trade Show Exhibits Open
10:15 AM, 12:15 PM, 2:15 PM
Milking Demonstrations - Ag-Ex Pavilion
12:00 PM
Living Sky Winery Garden Open - Co-operators Centre Arena 2
12:00 PM
Gelbvieh Sale - John Deere Sale Arena
12:00 PM
Trainer’s Challenge - Brandt Centre

1:30 PM
Red Angus Show - Chevrolet GMC Stadium
1:30 PM
International Stock Dog Championship - Brandt Centre
2:00 PM
Shorthorn Sale - John Deere Sale Arena
3:30 PM
Charolais Sale - John Deere Sale Arena
4:00 PM
Commercial Sheep/Market Lamb Shows - ITC Hall B
5:00 PM
Hereford Sale - John Deere Sale Arena
7:00 PM
Limousin Sale - John Deere Sale Arena
7:00 PM
Agribition Pro Rodeo presented by Ford (Regina Pats Theme Night) - Brandt Centre

FRIDAY, NOVEMBER 25

8:30 AM
Purebred Sheep Breeds Show - ITC Hall B
9:00 AM
Agribition Select Horse Sale Demonstration presented by Merial - Brandt Centre
9:00 AM
Shorthorn Show - Chevrolet GMC Stadium
9:00 AM
National Hereford Shows (Polled and Horned) - Chevrolet GMC Stadium
9:00 AM
Commercial Cattle Show presented by Saskatchewan Credit Unions and Blair’s Family of Companies - John Deere Sale Arena
10:00 AM
Commercial Trade Show Exhibits Open
10:15 AM, 12:15 PM, 2:15 PM
Milking Demonstrations - Ag-Ex Pavilion
12:00 PM
Living Sky Winery Garden Open - Co-operators Centre Arena 2
12:00 PM
Trainer’s Challenge - Brandt Centre
2:30 PM
Charolais Show - Chevrolet GMC Stadium
2:30 PM
Agribition Select Horse Sale presented by Merial - Brandt Centre
5:00 PM
Prospect Steer & Heifer Show presented by Masterfeeds - Chevrolet GMC Stadium
5:00 PM
Sheep Sale - ITC Hall B
7:00 PM
Angus Power and Perfection Sale - John Deere Sale Arena
7:00 PM
Agribition Pro Rodeo presented by Ford - Brandt Centre

SATURDAY, NOVEMBER 26

8:00 AM
Bull Pen Alley Show presented by Saskatchewan Credit Unions and Blair’s Family of Companies - John Deere Sale Arena
9:00 AM
Canadian Junior Beef Extreme presented by BMO - Chevrolet GMC Stadium
9:00 AM
Cowboy Mounted Shooting - Brandt Centre
9:30 AM
Junior Sheep Show & Costume Classes - ITC Hall B
10:00 AM
Commercial Cattle Sale presented by Saskatchewan Credit Unions and Blair’s Family of Companies - John Deere Sale Arena
10:00 AM
Commercial Trade Show Exhibits Open
10:15 AM, 12:15 PM, 2:15 PM
Milking Demonstrations - Ag-Ex Pavilion
11:00 AM
Face Painting - Co-operators Centre Entrance
12:00 PM
Living Sky Winery Garden Open - Co-operators Centre Arena 2
12:30 PM
Sheep Shearing & Hoof Trimming Demonstrations - ITC Hall B
1:30 PM
Prospect Steer & Heifer Sale presented by Masterfeeds - John Deere Sale Arena
2:00 PM
Wild Wool Ride presented by Southland Mall - Brandt Centre
3:30 PM
Running with the Bulls presented by Regina Nissan - Brandt Centre
4:00 PM
RBC Beef Supreme Challenge - Chevrolet GMC Stadium
7:00 PM
Agribition Pro Rodeo presented by Ford - Brandt Centre
9:30 PM
Farewell to The Swamp Cabaret Round 2 - Chevrolet GMC Stadium

Pavilion Hours 10:00 AM - 6:00 PM
Indigenous Pavilion presented by FHQTC - Co-operators Centre Arena 1
Family Ag Pavilion presented by the Saskatchewan Ministry of Agriculture - Co-operators Centre Arena 1
Food Pavilion presented by The Mosaic Company - Co-operators Centre Arena 2

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NUTRITIOUS OPTIONS

Healthy eats after the Halloween treats

TEAM RESOURCES



JODIE MIROSOVSKY, BSHEc

I have great memories of trick or treating as a child and the excitement in my own children's eyes as they transformed into their favourite characters.

We are likely consuming more sugar than usual at this time of year, but there are ways to help our body deal with the extra sweetness in our diets.

Be sure to hydrate with water, consume extra fibre in your diet to help in processing and eliminating the sugar.

That includes eating whole grains such as oats or whole pumpkin seeds, fresh vegetables and fruits and healthy protein.

Choosing sugar-free options for Halloween treats is another strategy. Enjoy the following recipes.

ROASTED POTATO SALAD

This is a delicious and different vegetable entree.

8 potatoes, cubed (half peeled or half with skin)	
1/4 c. olive oil or vegetable oil of your choice	60 mL
1 tsp. salt, divided	5 mL
1/2 tsp. pepper, divided	2 mL
1/2 c. cream cheese, softened	125 mL
1/2 c. sour cream	125 mL
1 tsp. paprika	5 mL
1/2 tsp. garlic powder or seasoning	2 mL
1 can whole kernel corn, drained	?? mL
2 chopped green onions	
1 small sweet red pepper, finely chopped	
1/2 c. minced fresh dill	125 mL



Roasted potato salad is packed with flavour. | JODIE MIROSOVSKY PHOTO

Toss potatoes with oil, 1/2 tsp. salt and 1/4 tsp. pepper; place in a greased 15 x 10 baking pan. Bake at 400 F (200 C) for 30 to 35 minutes or until tender, stirring once. Cool slightly.

In a small bowl, beat cream cheese and sour cream until smooth. Stir in the paprika, garlic powder and remaining salt and pepper. In a large bowl, combine corn, onion, red pepper and potatoes. Add one cup dressing and toss to coat and save remaining dressing for another use. Serve immediately. Serves eight.

Source: Adapted from www.tasteofhome.com.

GREENS WITH CRANBERRY AND PUMPKIN SEEDS

This is a new concoction at my house. Pair with a warm protein such as chicken, turkey, beef, pork or fish

and your meal is complete.

8 c. fresh torn kale	2 L
2 c. broccoli slaw or coleslaw mix	500 mL
1 c. dried cranberries	250 mL
soak in water to plump before using if desired	
1/2 c. pumpkin seeds	125 mL
2 green onions, chopped	

Dressing

1/2 c. oil	125 mL
1/4 c. vinegar	60 mL
1 tbsp. sesame seeds	15 mL
1 tbsp. poppy seeds	15 mL
1/4 c. sugar	60 mL
2 tbsp. honey	30 mL
1/4 c. juice from canned mandarin oranges	60 mL

Option: use poppyseed or sweet onion dressing if desired

Combine the first five ingredients in a large salad bowl. Set aside.

PARENTAL GUIDANCE

Keeping kids entertained

SPEAKING OF LIFE



JACKLIN ANDREWS, BA, MSW

Q: I know that this is a bit childish on my part but I find that during the summer, I would rather not spend time with my son and his wife. I love them dearly, but I have a difficult time watching them with their children.

The big thing appears to be "I'm bored." Whenever one of the children says that he or she is bored, the parents hop to it and try their best to either entertain him or her or ship the kids off to a movie or to some kind of a summer program to amuse them. I think that is wrong. It seems to me that it is up to the child to figure out what he or she is going to do to make life interesting.

The question is how do I get my son and his wife to understand this? Whenever I so much as hint at what they might do, they accuse me of interfering and ask me to let them do what they think is right.

A: If you offer your views without solicitation, then you are interfering.

Many parents today are busy trying to entertain their children and think that they are responsible for keeping kids engaged.

In doing so, they are depriving their children of the opportunity to nurture active imaginations. They are working against moments of creativity that are so important to a child's intellectual development.

We learned this through raising our own kids. How many moments of frustration did you have to endure as a parent before you finally figured out that your children needed to be responsible for themselves? You need to let your son and his wife figure it out for themselves, just as you and countless other parents have.

You also need to understand that the world in which your son and his wife are raising their children is different. In the past, we sent our kids outside to play, with few of the current concerns of abduction and abuse.

Today's parents are cautious.

Kids playing outside have to be within sight of a parent, and that communal support system, in which parents worked together to protect all the children, is not nearly as strong as it used to be.

Even if your son and his wife understand that their children need to be more responsible for their own happiness, the world is to some extent working against them. They are expected to be more protective and more involved with their children.

Your job is to support and love your son, his wife and your grandchildren. Trust that they will figure out for themselves those relationships that are going to best serve the children in the world today.

Mix the dressing ingredients together and pour over the greens mix, toss. Refrigerate until serving. Serves eight.

APPLE CRUMB DESSERT

Why not take advantage of the nutritional punch of apples, which are loaded with fibre and antioxidants.

6 c. peeled, cored and sliced apples	1.5 L
1/2 c. sugar	125 mL
3/4 c. brown sugar	175 mL
1/2 c. cinnamon to taste	
dash of nutmeg	

Topping

1 1/4 c. flour	300 mL
3/4 c. brown sugar	175 mL
1/2 c. butter or margarine, softened	125 mL
1/4 tsp. salt	1 mL

Preheat oven to 375 F (190 C).

Prepare the apples and add to a large mixing bowl, coat with the first amount of sugar and a sprinkle of cinnamon and nutmeg, then place in an eight inch casserole. Set aside.

In a mixing bowl, combine the flour, brown sugar, butter and salt. Mix with a fork or pastry cutter until the dough is crumbly. Spread over the apples and gently press down with an open hand so the top is quite flat.

Bake for 45 minutes or until the fruit is bubbling and the top is golden brown.

Serve warm with a dollop of ice cream. This recipe can be changed easily by adding fresh blueberries, cranberries, ground almonds or pecans.

GLAZED PUMPKIN SPICE COOKIES

2 1/2 c. flour	625 mL
1 tsp. baking powder	5 mL
1 tsp. baking soda	5 mL
2 tsp. ground cinnamon	10 mL
1/2 tsp. ground nutmeg	2 mL
1/4 tsp. ground cloves	1 mL
dash of ground ginger	
1/2 tsp. salt	2 mL
1/2 c. butter, softened	125 mL
1 1/2 c. white sugar	375 mL
1 c. canned pumpkin puree	250 mL
1 egg	
1 tsp. vanilla extract	5 mL

Glaze

2 c. confectioner's sugar	500 mL
3 tbsp. milk	45 mL
1 tbsp. melted butter	15 mL
1 tsp. vanilla extract	5 mL

Preheat oven to 350 F (180 C). Combine flour, baking powder, baking soda, cinnamon, nutmeg, ground cloves, ginger and salt. Set aside.

In a medium bowl, cream together the butter and white sugar. Add pumpkin, egg, and vanilla to butter mixture, and beat until creamy. Mix in dry ingredients. Drop on cookie sheet by the spoonful.

Bake for 15 to 20 minutes in the preheated oven. Cool cookies, then drizzle glaze with fork.

To make glaze: Combine confectioner's sugar, milk, melted butter, and vanilla. Add a few extra drops of milk if needed to make the mixture drizzle properly.

Source: www.allrecipes.com.

Jodie Mirosovsky is a home economist from Rosetown, Sask., and a member of Team Resources. Contact: team@producer.com.

Jacklin Andrews is a family counsellor from Saskatchewan. Contact: jandrews@producer.com.

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Morgan Nesom, left, and her in-laws, Diane and Carey Perry, pose with the food truck they've launched using produce primarily from their own farm. Nesom is considering food demonstrations, catering, marketing pre-made meals and office lunches and a delivery service to farm fields during harvest.

| BARB GLEN PHOTO

MARKETING

Alberta producers provide local 'take away' food

BY BARB GLEN
LETHBRIDGE BUREAU

HIGH PRAIRIE, Alta. — Food trucks seem to proliferate in cities, but there's only one rolling around in this area of northern Alberta.

The Farm Truck carries food prepared from locally produced ingredients and is an offshoot of a family farm operation.

Morgan Nesom is the management and marketing arm of the four-person operation, which includes her husband, Jesse Perry, and his parents, Diane and Carey Perry.

The truck officially hit the road in late July, providing what Diane Perry said was good customer insight that the family will use to plan next year's full season of operation.

High Prairie has a population of about 2,600 but the ace in the hole for the food truck is traffic to nearby

Lesser Slave Lake.

"We have a tremendous number of people from all over not only the province but Western Canada that come to this lake for the summer months," said Perry.

"Those are the people that are really interested in seeing something different and for us in the north, the food truck idea is something different."

She said lake traffic is a safety net but the High Prairie and Big Lakes County community are the base of the operation. Community support, both giving it and getting it, is also a key for Nesom.

"They say it takes a village and it really does," Perry said about starting the new venture.

"The feedback has been so crucial. We've been lucky that every week we have a producer (from whom) we could offer a different menu item every single service.

"It's a huge benefit to start in a

rural town. When you plant a seed, a lot of it seems daunting, to start really from the ground up ... but as it grows, it's kind of a benefit

We've been lucky that every week we have a producer (from whom) we could offer a different menu item every single service.

DIANE PERRY
THE FARM TRUCK CO-OWNER

because we can change as we go."

Morgan and Jesse lived and worked in High River, Alta., for several years but then decided to move back to where both grew up.

They moved to the family homestead just outside of High Prairie and set up a commercial kitchen to

prepare food for the truck and potentially branch into catering and other food service options.

For Diane and Carey, it is the latest of several attempts to maintain and market their beef cattle and skills in agriculture.

They were among many cattle producers devastated by the discovery of BSE in Alberta in 2003 that destroyed markets and plunged prices to unprofitable lows.

"We struck out the year BSE hit. The equity that we'd worked for, for the previous 15 years, pretty much disappeared on us. We struggled over the next few years to re-invent or try to figure out a way to make it work," Perry said.

When Jesse and Morgan returned to the region, it opened up possibilities for a joint venture.

The Farm Truck was born "as a way both to produce food, do something that we like to do, generate revenue to keep us afloat and

to market this beef in a new way, a little more dynamic way," Perry said.

Nesom, who has experience in farm and ranch work, honey production and food service, said she has always had a passion for food and welcomes the opportunities that the new business provides in educating people about their food sources.

"It should have always been something that's very popular, but we're very lucky now that it's almost kind of a trend again in food. People are becoming more connected with their food."

Nesom plans to source as much food as possible from local producers and explore various options for food service.

"It's exciting and every day we're just super pumped to plan. We're already planning for next year."

barb.glen@producer.com



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RIGHT: Bagged sugar beet samples stand at the base of the Lantic sugar factory in Taber, Alta., during the 2016 harvest. The samples are processed to determine the sugar content in beets provided by each grower.

FAR RIGHT: A truck dumps beets from one of the piling stations into a chute at the sugar factory. A water slurry moves the beets inside the plant for processing.

BELOW: Sugar beets are topped before being dug on the Jensen farm east of Taber, Alta.

| BARB GLEN PHOTOS



ALBERTA CROPS

Alta. growers see near record-setting sugar beet harvest

Good quality and high yields are expected to produce 1000,000 tonnes of sugar

BY BARB GLEN
LETHBRIDGE BUREAU

TABER, Alta. — The 28,000-acre southern Alberta sugar beet harvest is nearing completion with the possibility of record-breaking yields.

Arnie Bergen-Henengouwen, president of Alberta Sugar Beet Growers, said growing conditions favoured sugar beets this year.

“There was a little bit of hail in the area that affected some of the acres, but overall they’re expecting exceptional yields and quality too,” he said.



ARNIE BERGEN-HENENGOUWEN
ALBERTA SUGAR BEET GROWERS

Yields of about 30 tonnes per acre at 19 to 20 percent sugar content are expected based on early October results. That would mean production of about 100,000 tonnes of sugar.

Last year, growers realized about \$56 per tonne of beets but returns for 2016 have yet to be determined.

More than 200 farmers grow sugar beets in the region. Harvest began Sept. 15, which is earlier than usual, Bergen-Henengouwen said. That early harvest, referred to as the mini-harvest, allows the factory to get its slicing operations up and running. Beet harvest began in earnest on Oct. 3.

Beets are delivered to one of six piling stations, in Picture Butte, Vauxhall, Tempest, Burdett, Enchant and Coaldale, or to the Lantic (Rogers) sugar factory in Taber.

Brian Jensen, who works at Lan-

tic, led growers on a tour of the factory Oct. 7.

He said the factory had been running smoothly in large part because of beet quality and dry field conditions, which limited the amount of soil clinging to the beets.

The factory, which is the only sugar beet processing plant in Canada, processes about 6,800 tonnes of beets daily, or 260 tonnes per hour. From that, it produces about 900 tonnes of sugar.

“The quality of the beets makes it run a lot smoother. With the advancements ... the research that’s done on the farms, we get fantastic quality beets,” said Jensen.

Sugar leaves the factory in many forms and sizes, from bulk totes of up to 1,400 kilograms, to the small packets of sugar used on restaurant tables.

Between those extremes, it produces 50 pound packages for the United States and for Canada it packages 40, 20, 10, four, two and one kilogram bags. As well, it packages one kg bags of icing sugar and industrial sizes of 20 and 40 kg.

“We also do a fair amount of business in liquid sugar and so we have a large customer base of bee producers, honey producers, and those beekeepers take a significant volume of sugar in the fall and in the springtime to feed their bees. The business has just been growing and growing and growing. It’s wonderful for them and for us to be able to move a lot of that volume through them,” said Jensen.

“We also sell liquid sugar to a lot of bottlers, beverage bottlers, ice cream facilities, milk plants. We do a lot of volume through them as well.”

Jensen said the packaging line can’t keep up with the sugar extracted during the beet campaign, so the thick juice derived in early processing is stored in holding tanks until it can be processed further.

CONTINUED ON NEXT PAGE >>

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» CONTINUED FROM PREVIOUS PAGE

"We have what we call our campaign, which goes from September until mid-February. Then we have a break until we can get enough of that sugar packaged and out of the silos. Then we have our juice run, is what we call it, which usually lasts about a month and a half to two months of processing."

The factory employs about 300 people during the harvest campaign and 150 full-time.

All sugar beets are contracted by Lantic with the ASBG, and there are

two years remaining on the current contract.

Negotiations have at times been difficult, with Lantic threatening to close the plant and growers demanding more acres and higher payments.

Bergen-Henengouwen acknowledged that the relationship between growers and Lantic must be carefully managed.

"It's definitely something that the board is focused on now," he said.

"We want to make sure we don't end up in that same spot. It's defi-

nately a focus of the board. Our new general manager is helping out quite a bit on that.

"Negotiations are always going to be tough but I think as long as both parties can come to the table and talk, that's where we want to be."

The new general manager, Melody Garner-Skiba, replaced former general manager Gerald Third earlier this year.

Sandra Marsden, president of the Canadian Sugar Institute, said export markets are crucial to expand the industry.

"The TPP (Trans-Pacific Partner-

ship trade agreement) would be really, really great ... because there's more access to the U.S. for beet sugar, as well as sugar-containing products. That's how we can grow the market. Canadian population is not growing fast enough and people aren't eating more sugar, so we need export markets."

Marsden said Canada's sugar trade with the United States is always under scrutiny.

"We have to be vigilant in Canada because we face very restrictive quotas to the U.S., so we can only

sell 10,000 tonnes of beet sugar into the U.S., whereas our market is wide open.

"We do have anti-dumping duties right now, protecting us from their surplus. We just have to continue to defend the industry against those unfair practices."

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WHICH WAY IS SOUTH?



Swans, like this pair of trumpeters, stop at Frank Lake near High River, Alta., during their annual migration to southern climes. | MIKE STURK PHOTO

AG NOTES

NEW ONLINE TOOL FOR ORGANIC FARMERS

A new online system aimed at helping new farmers achieve certified organic status will receive \$117,000 from the federal and British Columbia governments.

The Certified Organic Associations of B.C. will lead the development of the online system.

Members include more than 560 farms producing certified organic goods and about 100 farms in transition to organic production.

The sector includes livestock, dairy, vegetables, fruit and berries, spice and herbs, grain and seeds, and specialty value-added products.

A pilot project will launch next year and is scheduled for full implementation in January 2018.

The streamlined process will save producers time through more accurate data and improve

opportunities within the organic sector for expansion.

It will consult with growers and stakeholders over the coming months to ensure that the project considers stakeholder needs.

All food and beverage products marketed as "organic" in B.C. will have to be certified under either a provincial or national certification program by 2018.

ORGANIC GRAIN RESEARCH RECEIVES FUNDING

Organic grain research at the University of Manitoba is receiving \$366,000 in funding from the federal and Manitoba governments.

The money will be used to replace field equipment, including cultivators for grain, corn and beans, a comb-cutter, manure spreader, seeder and tractor.

Both governments will also provide \$50,000 for two years of organic research at the university.

The university is celebrating 25 years of organic research, which undertook Canada's first study to compare organic and conventional crop production.

Topics of study include weed and fertility management, cereal crop breeding for organic production and reduced tillage management.

GENOME PRAIRIE BOARD ELECTS CHAIR, VICE-CHAIR

David Gauthier is the new chair of Genome Prairie. He replaces retiring chair Arnold Naimark.

Gauthier has experience in research management, economic development, sector innovation and government relations.

He is currently the regional director of Natural Products Canada, a national centre of excellence for commercialization and research.

He graduated from Queen's University before joining the National Research Council Canada's industrial research assistance program as regional director.

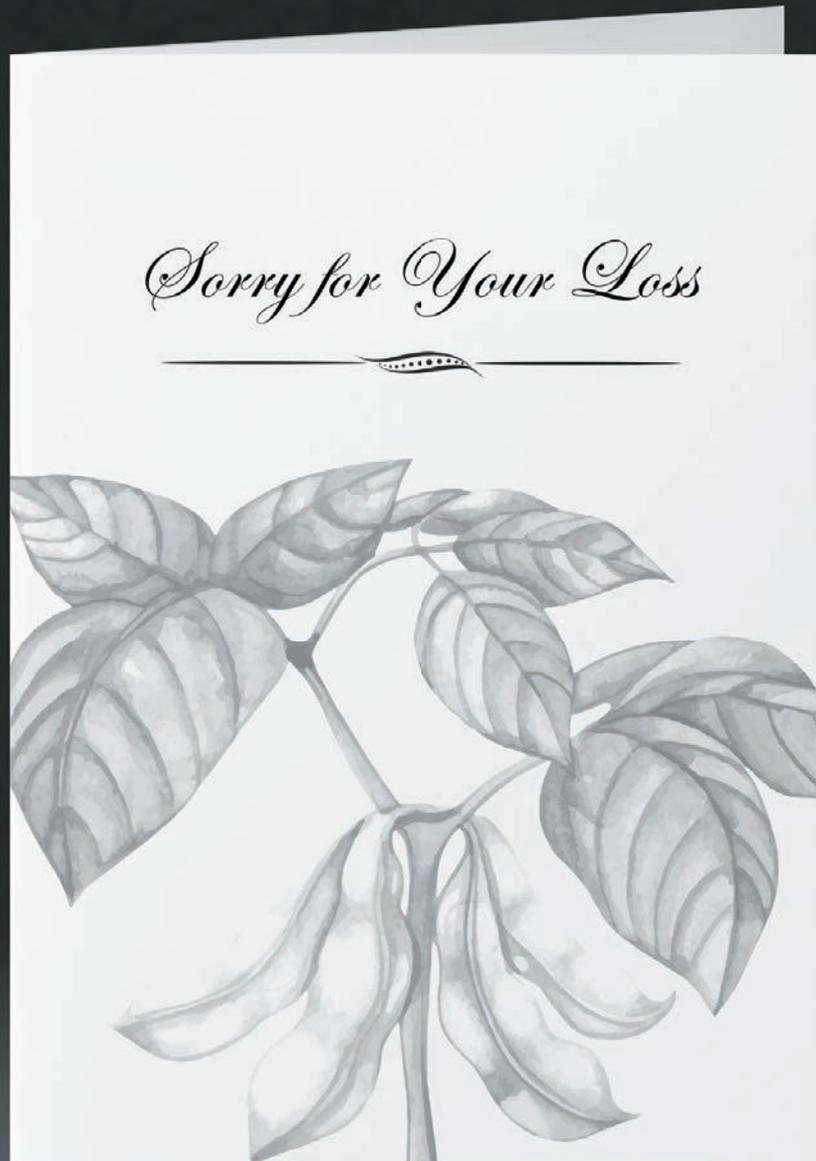
As well, he has been vice-president of Foragen Technologies Management Inc., chief executive officer of the Entrepreneurial Foundation of Saskatchewan and director of business development with Performance Plants Inc.

Since 2012, Gauthier has operated a private consulting firm focused on business investment and technology commercialization.

As well, Gerald Brown has been elected vice-chair of Genome Prairie.

He has more than 30 years of experience in agricultural biology, agronomy, intellectual property protection and the development and commercialization of new and innovative products.

Most recently he was director of marketing and commercialization with the Pan-Provincial Vaccine Enterprise, which is focused on the mid-stage development and commercialization of vaccines for infectious diseases.



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PREDATION

Sask. widens hunting area to push wolves out

The cull is a result of a high number of predation claims from livestock producers in the north

BY KAREN BRIERE

REGINA BUREAU

Saskatchewan is expanding its wolf hunt to help reduce livestock predation near the provincial forest.

Environment Minister Scott Moe said the plan isn't to cull the wolves. Instead, it's to put pressure on them to stay in the forest and away from livestock.

Only three wolves were killed last year.

The expanded wolf hunt follows a pilot hunt in zone 49 two years ago and zones 49 and 53 last year.

"This year what we've done is spread that across the northern edge of the grain belt, south of the forest fringe, so that all of those ranchers and hunters have the opportunity to apply that pressure to the wolf populations to keep them in the forested area," Moe said.

Between Oct. 15 and March 31, hunters can cull wolves in wildlife management zones 43, 47, 48, 49, 50, 53, 54, 55 and 68N.

Only Saskatchewan residents are eligible for licences, but there is no limit on the number available. The licences must be picked up at ministry of environment offices in Meadow Lake, North Battleford, Spiritwood, Prince Albert, Nipawin, Saskatoon, Melfort, Greenwater Lake, Hudson Bay, Preeceville and Regina.

Moe said the pilot program was a result of requests from ranchers and municipalities that recorded a high number of predation claims. Although the claims were localized, they can be severe, he said.

Those who buy licences must report their results within 14 days of the end of hunting season. About 200 licences were sold last year.

"The intent was never to have a high harvest volume," said Moe. "All we would ever expect is maybe a zero to five-percent harvest volume, which is extremely low."

He said wolves are intelligent and will learn to stay where they are safer.

But wildlife attacks on livestock are always possible.

"If you look at zone 49, it's actually surrounded by three sides of forested area and it's not uncommon for wildlife to travel between them through the green land zone," Moe said.

Livestock producers have raised increasing concerns about wolves and cougars in recent years.

Moe met with the Saskatchewan Stock Growers Association earlier this month to discuss better control options.

"Culls don't work but there are programs in place for mountain lions that are perceived as a problem," he said.

Sask. Crop Insurance Corp. compensates producers for predation claims by wolves, cougars and other predators.

Coyotes appear to be the main problem, accounting for between 60 and 90 percent of predation claims.



FILE PHOTO

SASKATCHEWAN RESIDENTS CAN HUNT WOLVES IN NINE WILDLIFE MANAGEMENT ZONES UNTIL

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DROUGHT FEARS

Sugar cane draining India's water supply

AURANGABAD, India (Reuters) — Despite pleas from the government not to, Indian farmers like Santosh Wagh went right back to planting sugar cane as soon as the first nourishing monsoon rains brought water to his drought-stricken region of central India.

For growers like Wagh from the Indian state of Maharashtra, sugar cane has two attributes that make planting the crop lucrative: hardiness and state policies that ensure higher returns.

These farmers plant cane even as its outsized water demands threaten to plunge this traditionally arid region back into a drought.

"It is the only reliable crop. Earlier this year, I cultivated onions and incurred a 50,000 rupees loss as prices crashed," said Wagh, who plants 1.5 acres of sugar cane.

Maharashtra, the biggest sugar producing region in India, suffered the worst drought in four decades four months ago. It ravaged crops, killed livestock, depleted reservoirs and slowed down hydroelectric power output.

Environmental activists and the government blamed the rapid expansion of sugar cane growing for creating the water scarcity. Cane consumes about nine million litres of water per acre during its 14-month long growing cycle compared to just 1.6 million litres over four months for chickpeas.

Without government intervention to reset the revenue balance in favour of other crops, experts warn the sustained production of sugar cane will further deplete scarce water resources. This could create social unrest stemming from the widening income gap between cane growers and other farmers.

"The government asks farmers to shift to less water consuming crops, but it does little to support those crops. It failed to solve the problems of oilseed and pulses growers," said Pradeep Purandare, a former professor at the Maharashtra Water and Land Management Institute based in Aurangabad.

HEARTWARMING QUILTING BEE



Members of this quilting club meet twice a week in Rimbey, Alta., to sit around a wooden frame and arm themselves with needles and thread. The women spend 10 to 12 hours to complete one quilt, although more time is needed for a king size. They say they have made 630 quilts since they started in 1980. Some are sold and others are given to charities and people who lose their homes to fire. The women in the photo are Jean Warta, left, Arlene Tanasiuk, Glennis Salls, Marielle Blyth, Gerta Cooke, Helen Anderson, Lana Curle and Judy Frayn.

| F. SCOTTY AITKEN PHOTO

RECOGNIZING CONTRIBUTIONS

Three inducted into Alta. ag hall of fame

BY BARBARA DUCKWORTH
CALGARY BUREAU

Three prominent Albertans have been inducted into the provincial agriculture hall of fame.

John Kennelly was recognized for his accomplishments as a dairy researcher and 10 years as dean of the University of Alberta's faculty of agricultural, life and environmental sciences until 2014.

He was born in Ireland and came to Canada in 1977 to pursue a doctorate in dairy research at the university.

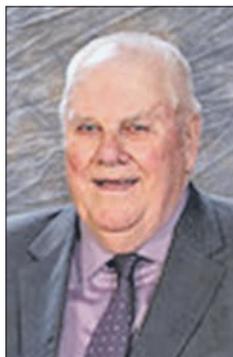
His research into dairy nutrition and feeding systems included working with Alberta-grown crops that resulted in better milk quality, better reproduction practices and better overall animal health.

A long time professor of dairy science, he also oversaw the expansion of the university's dairy research technology centre and was one of the founders of the western Canadian dairy seminar.

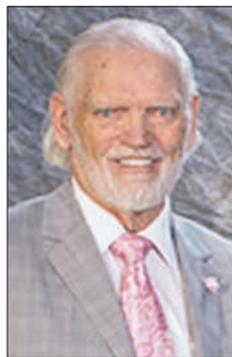
Kennelly was also president of the Global Confederation of Higher Education Associations for Agricultural and Life Sciences.



JOHN KENNELLY



BOB PRESTAGE



COR VAN RAAAY

Bob Prestage of Camrose has worked with beef cattle breeding and genetic programs in Alberta for more than 50 years.

He was involved in developing progeny testing programs to improve beef cattle and is an Angus breeder.

He has selected and helped export thousands of live cattle to more than 20 countries and was the first to send cattle to Russia after the discovery of BSE in a Canadian born cow caused many countries to ban Canadian beef and cattle imports.

Prestage, a former reeve of Camrose County, has contributed to youth and community organizations and has received numerous industry and community awards, including induction into the Alberta Angus Association Hall of Fame as a breed builder.

Cor Van Raay of Iron Springs helped develop the Canadian model for modern feedlot operations.

A Dutch immigrant in the 1960s, Van Raay began farming on a half-section of land with some Holstein cattle.

He expanded that into a large cattle production and feedlot enterprise, while also co-founding a grain company and becoming majority owner in a John Deere dealership.

An early adopter of technology, he implemented best management practices and developed exceptional operational efficiencies in large-scale feedlot operations, while focusing on sound environmental stewardship and improved animal-handling techniques.

His business interests expanded into Butte Grain Merchants Ltd., Western Tractor, Van Raay Land Inc., and Sungold Specialty Meats Ltd., one of Canada's largest producers of lamb.

In 2014, he gave \$5 million to launch the Cor Van Raay Southern Alberta Agribusiness Program at the University of Lethbridge and Lethbridge College. The University of Lethbridge presented him with an honorary doctor of laws degree in 2015.

barbara.duckworth@producer.com

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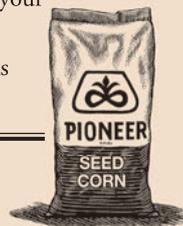
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PRODUCTION

RETAIN ORGANIC CROP QUALITY

Growing a quality organic crop takes skilful management of the farm ecosystem, including soil, rotations, crops and weeds. Equally important: keeping it dry while in storage. | **Page 56**



PRODUCTION EDITOR: MICHAEL RAINE | Ph: 306-665-3592 F: 306-934-2401 | E-MAIL: MICHAEL.RAINE@PRODUCER.COM

OILSEEDS

Milk the oilseeds along with the cows

BY MICHAEL RAINE
SASKATOON NEWSROOM

WOODSTOCK, Ont. — Ten years ago, Jasmin Hofer and her father started thinking about why they were growing cash crop soybeans and then buying back expensive soybean meal for their 120 dairy cows.

“It seemed like we were leaving some money on the table,” the chief executive officer of Energrow said earlier this year in an interview at Canada’s Outdoor Farm Show in Woodstock.

“If we cut out the middleman on that portion of our feed, we could add to the bottom line.”

The Hofers, who farm near Listowel, Ont., began working with engineers and machinists to develop a system that would handle a wide variety of oilseed crops, allowing the family to harvest the oil and the meal once the combine was put away.

Unlike most of the smaller cold presses on the market, the family knew they would need something that could handle the soybeans that are popular in Central Canada but also canola and other oilseeds such as flax and hemp.

“Quickly we realized we had to come up with our own,” she said.

“For a dairy or cattle producer that is feeding 2.5 to three kilograms per day, you can pay for it in about a year and half for 120 head. The more you feed, the faster it pays for itself.”

An Energrow cold press will crush enough in a day to cover the protein needs for about 300 animals.

“We have owners with more than that,” she said.

“You can install them so that they run around the clock and multiple units.”

The Energrow screw presses are fully automated with remote monitoring and performance analysis. A touch screen interface with diagrams of the machine makes it easy to set. It controls a five horsepower electric motor directly driven on the press.

“All of those features were developed over time and tested on our own farm, and with feedback from our customers we have improved many parts of the design. We went from greaseable bearings to oil baths. There are things we have



Jasmin Hofer of Energrow in Listowel, Ont., holds soybean pellets from her oilseed press. | MICHAEL RAINE PHOTO

improved that have made the system nearly service-free,” she said.

“Collectively we have about a million hours on presses so far.”

Oil runs into a mini-bulk tote and the pellets go into mini bulk bags, bins or hoppers.

The pellets are dry, at about 10 percent moisture, and can be augered or moved by vacuum.

“These are kind of like cookies for cows. It makes a good replacement for all of the protein systems,” she said.

“At 10 percent (moisture) it pulls moisture into it in the ration; a great fit in a TMR (ration)... This is kind of like milking the soybeans not just milking the cows.”

Small seeded oilseeds such as canola and flax can be directly processed without a grain mill, but soybeans need pre-processing to get the size down and the efficiency up on the stainless steel extruder system.

“Just because soybean is so hard and abrasive, you need that milling

process,” she said.

“The oil can be used by the producer or, in Ontario and Quebec so far, the company is buying the oil from its farmer customers and marketing it to feed and food ingredients buyers.

“Other oilseed crops such as hemp can be processed. You could do coconut if global warming takes off in North America. It can press almost anything.”

A combination of stable protein supplies and a desire for traceability and local production are causing some producers to produce their own protein rations.

“Usually a fairly big (issue in the) buying decision for our customers. They like to know where the source of their feed is. It is their own crop,” she said.

“We treat it like a quota program. We bring an empty tote, they fill it. For every tonne of beans that a farmer processes, she gets about \$60 of oil. It varies for the different

crops, depending on the oil content. Canola produces more oil than beans for instance.”

A tonne of soybeans produces about 100 litres of oil.

Some producers burn the oil in their diesel farm equipment in the warmer seasons.

“Five to 10 percent is a good lubricant in the fuel. Today’s low sulfur diesel is very dry and older engines weren’t designed for it,” said Hofer.

The oil gets used on the farm for a variety of things.

“Keeps foam down on manure. Keeps dust down on the laneway. Farmers are using it as a surfactant in their crop spraying,” she said.

“Chefs love it for deep frying. The cold pressed oil has a lot of uses and is very marketable.”

At about \$45,000 for a complete system, including a grain mill, the automated equipment typically repays its purchase price long before any maintenance is needed or five year warranty expires. It can

run in uninsulated buildings because it has its own heating on the press to ensure the oil moves freely and the process operates under optimal conditions at all times. Each press and mill consumes about \$6 of electricity per tonne, depending on energy prices.

“There aren’t a lot of wear items, and most units run year around and many around the clock,” she said.

The company will also work with producers to explore government grants and programs to help cover the costs of the systems.

michael.raine@producer.com



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HERBICIDES

Watch for crop damage when using residual controls

PRECISELY AGRONOMY



THOM WEIR, PG

I am sometimes asked to look at cereal crops in the spring that have been seeded on fields treated with burn-off herbicides containing residual products such as florasulam and metsulfuron.

These products are often added to a glyphosate product to improve control of dandelions, narrow-leaved hawk's beard and wild buckwheat and provide up to three weeks residual control of annuals such as volunteer canola.

Both products are very effective in controlling labelled weeds, and the residual control option is attractive to growers who have a cereal-canola rotation. This, of course, is the upside to these products.

The downside is that, under certain conditions, these products appear to leach into the rooting zone of young cereals and injure the crops. The damage is usually typified as a yellowing or reddening of the first leaf. Sometimes this leaf will be affected by saprophytic organisms and show disease spots. The yellowing may spread to the

second leaf, and the plants may be stunted.

The entire plant may be pale green, but on closer observation you will see that this is caused by interveinal chlorosis. This is when the area between the veins of a cereal crop turn pale green or yellow.

The crops usually grow out of this damage, but occasionally, under adverse conditions, which may include excess moisture and cold conditions, the damage may continue and reduce yields.

There are a number of situations that seem to set up the damaging scenarios, including dry soil at seeding followed by a significant rain.

Soil pH may also play into this, as well as soil temperatures and seeding depth. I don't know all the conditions that might affect the damage, but it could be a problem in some situations.

What to do?

I would not advocate walking away from either of these products if they are working well in your rotation. What I would do is set up the groundwork so you can observe if you do have an issue.

To do this, you need to put a check into your fields. I don't know how many times I have spent walking around power poles or potholes or sloughs looking for that one evasive sprayer miss that confirms there is damage.

The problem is that modern sprayer technology has allowed farmers to eliminate serendipitous checks.

I recommend the following:

- Figure out how many fields you wish to treat with these products and plan to put a check into one-quarter to one-third of them.
 - Use tribenuron- glyphosate as the check. This product combination will give you similar control of most weeds, as will florasulam or metsulfuron (plus glyphosate) but without the residual effects that these products offer.
 - Make a sprayer pass across the selected check fields. Try and select a representative area to make the pass. A half mile pass with a sprayer will cover five to seven acres depending on the sprayer width. Fill the sprayer with enough chemical to spray the selected checks. If you cover six acres a pass and have seven fields, mix up enough chemical for 42 acres.
 - Mark the checks with a stake or flag.
 - Treat the remainder of the fields with selected residual product.
- If you suspect an injury, go to the check and see if there is a difference in injury.
- Other suggestions to lessen the risk of injury include observing the precautions on the labels regarding intervals between seeding and

spraying. Waiting until after you seed to spray and delaying this application until just before emergence may result in a greater risk for damage.

Seeding slightly deeper than usual may also reduce damage risks. I have observed fields where damage occurred in one drill row where the rows on either side did

not have damage. Upon closer observation, I found the row exhibiting damage was seeded perhaps a quarter inch shallower.

And finally, use the products in the fall. This will allow them to dissipate in the soil before seeding.

Thom Weir is an agronomist with Farmer's Edge. He can be reached by emailing thom.weir@farmersedge.ca.



Residual herbicide damage can be seen in these barley leaves.



Residual herbicide damage in more shallowly seeded wheat rows. Deeper rows don't have the problem.



Yellow leaves mix with the green in a wheat crop damaged by residual herbicide presence. | THOM WEIR PHOTOS

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TRAILERS

Active floor makes farm trailering safer, easier

Its name summarizes its function: Advanced Nimble Trailer System

BY RON LYSENG
WINNIPEG BUREAU

Fargo, N.D. — Farmers know the benefits of a low-boy utility trailer. Add a live rolling rubber floor with a 9,400 pound carrying capacity and you have a pretty handy tool.

With a working width of nearly seven feet and useable floor length better than 16 feet, the Advanced Nimble Trailer System (ANTS) can haul big bales, small implements, boulders, animal carcasses, water and fuel tanks, gravel and just about any other mid-sized load you might encounter on the farm.

The built-in tarp fastens all the way around the walls of the box.

The fact that the live rubber floor rolls the full 16 feet fore and aft takes the hassle and risk out of loading and unloading.

ANTS inventor Niel Somero of Davis Village Solutions in Michigan said that when the rolling floor is put into the winch mode, it also

One of the unique characteristics is that you can dump it on side slopes or down slopes. You can even dump it parked on an up-slope.

NIEL SOMERO
DAVIS VILLAGE SOLUTIONS

serves as a conveyor belt that allows a 7,000 pound cargo to be pulled up the ramp and onto the flat floor.

“One of the unique characteristics is that you can dump it on side slopes or down slopes. You can even dump it parked on an up-slope,” said Somero, who was at the Big Iron Farm Show in Fargo, N.D., to debut the new trailer.

He said the live conveyor belt floor means the trailer box doesn’t have to be raised to dump a load.

Somero said the belt can unload



Niel Somero says his Advanced Nimble Trailer System has its own on-board gas engine, hydraulics, electrical system and winch. The moving rubber floor is nearly seven feet wide and 16 feet long.

| RON LYSENG PHOTO

the entire cargo without having to tilt the trailer. The operator can hydraulically tilt the rear of the trailer right down to ground level if he wants, such as when loading a tractor.

“The head board, or the wall at the front of the box, is attached to the conveyor belt,” Somero said.

“As you roll the floor back to dump, the head board also travels

to the very back of the box. And you can adjust the speed it rolls.

“If you want to load a dead implement, you just hook the chains on the head board and roll the floor to the front. It pulls the implement right along with it. Static pull for the winch is 7,000 lb.

“It’s totally self-contained, with an 11 horsepower Honda gas motor, electric start, 12-volt battery

and hydraulic hoist for the trailer lift. The trailer is rated for 14,000 lb.

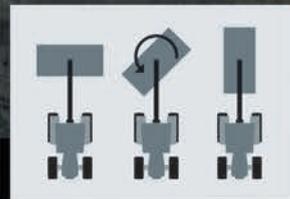
The trailer itself weighs 4,600 lb, so that leaves a 9,400 lb. payload. Cubic capacity is between three and five cubic yards, depending on the density of the material.”

The trailer carries a list price of US\$22,500.

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CROP DETERIORATION

Tips to retain organic quality throughout the year

ORGANIC MATTERS



BRENDA FRICK

Growing a quality organic crop takes skilful management of the farm ecosystem, including soil, rotations, crops and weeds.

Maintaining the quality after harvest is the key to successful marketing, to pleasing customers and to gaining top dollar for top quality.

According to Bruce Roskens, director of Crop Sciences for Grain Millers in Naperville, Illinois, farmers need to “truly understand your crop’s role as a food ingredient.”

Farmer who think of their crop as a food ingredient are more able to appreciate its value and to take “the steps necessary to make quality,” he said.

Grain stores best when it is cool and dry. Then the grain itself is inactive, it won’t sprout and it won’t activate enzymes that lead to spoilage.

Equally important, insects and moulds won’t be as attracted to the grain and they won’t be able to grow, develop, reproduce or spread in cool, dry conditions.

There are five steps to keeping grain cool and dry:

Correct moisture level

Harvest grain when it has reached the right moisture level. Most cereals can be stored between 13.5 and 14.5 percent moisture. Oilseeds

need to be drier, between 9.5 and 10 percent for flax and mustard. Pulses are stored at slightly higher moisture levels, usually 14 to 16 percent. Chemical desiccants are not used in organic production; swathing can be used to speed ripening of both crop and weeds.

The decision to swath balances ripening against weathering, such as frost damage, mildew, bleaching or staining. Crops weather better standing than in the swath, but also fare better in the bin than in the field. If crops are combined with too much moisture, drying is recommended.

Proper storage

Store grain in a clean, dry and sealed bin. Maintaining organic integrity includes careful sanitation of bins and all equipment that comes in contact with the grain, such as augers, trucks, fans and aeration systems. It is important to remove all previous grain, dust, mould, insects and debris before filling the bin.

High-pressure air, brushes, brooms and grain vacuums are commonly used to provide a thorough cleaning.

Bins should completely seal to prevent water and insect access. Vent holes should be covered to keep out birds. All holes, cracks and seams should be sealed with a food safe and strong material before grain is stored in the bin.

Keep it clean

Don’t put anything else in the bin. Extraneous items, such as green grain, weed seeds, chaff and field materials, can increase moisture. This results in moulds, deteriorates



Bins must be maintained so grain stays dry to prevent spoilage. | MICHAEL RAINE PHOTO

the grain and can lead to fires and explosions. Extra materials also interfere with grain flow when auguring and with airflow when cooling, heating or drying. Cleaning the grain between combine and bin can greatly reduce these risks and adds another market stream: organic screenings for animal feed.

Monitor temperature

Temperatures in the bin change as outside temperatures vary and even as sunshine heats one side of the bin. Temperature variation leads to condensation that produces moisture pockets in the grain

mass. This leads to biological changes that result in spoilage and further temperature changes.

Temperatures in the bin should be checked every two weeks using probes or sensing cables. If these are not available, a metal rod can be inserted into the grain at the top, near the centre. After 30 minutes, remove the rod and feel if it is warm to the touch at any point. This would be an indication of heating and of potential grain spoilage.

5. Aerate if needed

If heating or condensation occurs within the bin, aeration is recom-

mended. It is an alternative is “turning” the grain — emptying the bin and refilling it.

Aeration is improved if the crop is clean. Small weed seeds and dust can fill the spaces between the grains, reducing airflow. Keeping the surface level in the bin also improves airflow.

The Prairies produce some of the highest quality organic crops. To maintain that quality from harvest to sale, it is important that management be ongoing.

Brenda Frick, Ph.D., P.Ag. is an extension agrologist and researcher in organic agriculture. She welcomes your comments at 306-260-0663 or email organic@usask.ca.



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50 YEARS AGO

Loblaw spices up grocery shopping

FROM THE ARCHIVES



BRUCE DYCK

The Western Producer takes a weekly look at some of the stories that made headlines in issues of the paper from 75, 50, 25 and 10 years ago.

75 YEARS AGO: OCT. 30, 1941

Ottawa increased its acreage bonus for prairie farmers by 75 cents an acre. The bonus would be paid on only half of a farm's cultivated area and on no more than 200 acres.

Manitoba Pool Elevators reported another successful year. Delegates at the annual meeting heard that 171 local associations would share \$204,900 in dividends.

50 YEARS AGO: OCT. 27, 1966

Canadian Pacific Railway chair



A waterworks crew slings pipe at Balcarres, Sask. The photo was dated Jan. 15, 1958, but the photo doesn't look like it was taken then. | FILE PHOTO

N.R. Crump and president Ian Sinclair told the House of Commons transportation committee that the federal government's proposed transportation bill would significantly cut into their company's profits.

R.G. Meech, vice-president of Loblaw Groceries Co. Ltd., told a joint House-Senate committee investigating the rising cost of living that promotional gimmicks such as trading stamps and giveaways didn't increase the price of food. Instead, he said that the opportunity to play games and win

prizes while buying groceries provided housewives with "excitement and adventure" and relieved the boredom brought on by the "grubbiness of routine household chores." Responded Ron Basford, co-chair of the committee: "I felt like telling him most of us prefer to get our romance somewhere other than in the supermarkets."

25 YEARS AGO: OCT. 31, 1991

More than 7,000 farmers packed into Regina's major hockey arena for one of Saskatchewan's largest farm rallies. Billed as the "solutions

rally," the event focused on finding ways to solve the farm crisis. Organizers collected a box of written suggestions to sift through.

The federal government changed its Food and Drug Act regulations to make it illegal for dairy farmers to sell or give away raw milk. Farmers who defied the new rules would face thousands of dollars in fines and/or jail time.

10 YEARS AGO: OCT. 26, 2006

Michael Spence, mayor of Churchill Man., worried about

what ending the Canadian Wheat Board's single desk marketing powers would do to his town. Fast forward 10 years and the big news in Churchill this year was the suspension of grain shipments through the town's port.

Rogers Sugar executives warned that American proposals to restrict market access for a sugar beet product could close the company's sugar refinery in Taber, Alta. Fast forward 10 years and the Taber plant is still turning beets into sugar.

bruce.dyck@producer.com

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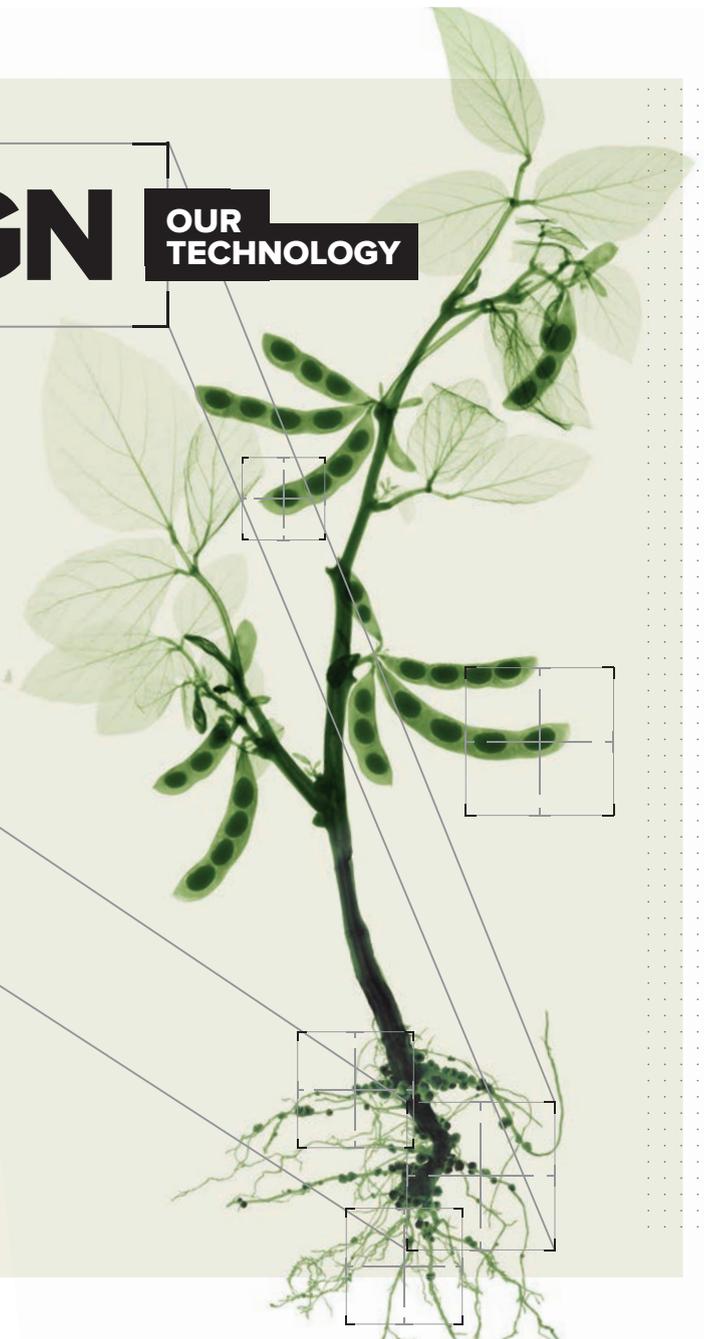
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CROP REPORT

ALL CONDITIONS AS OF OCT. 21. VISIT WWW.PRODUCER.COM REGULARLY FOR UPDATED CROP REPORTS

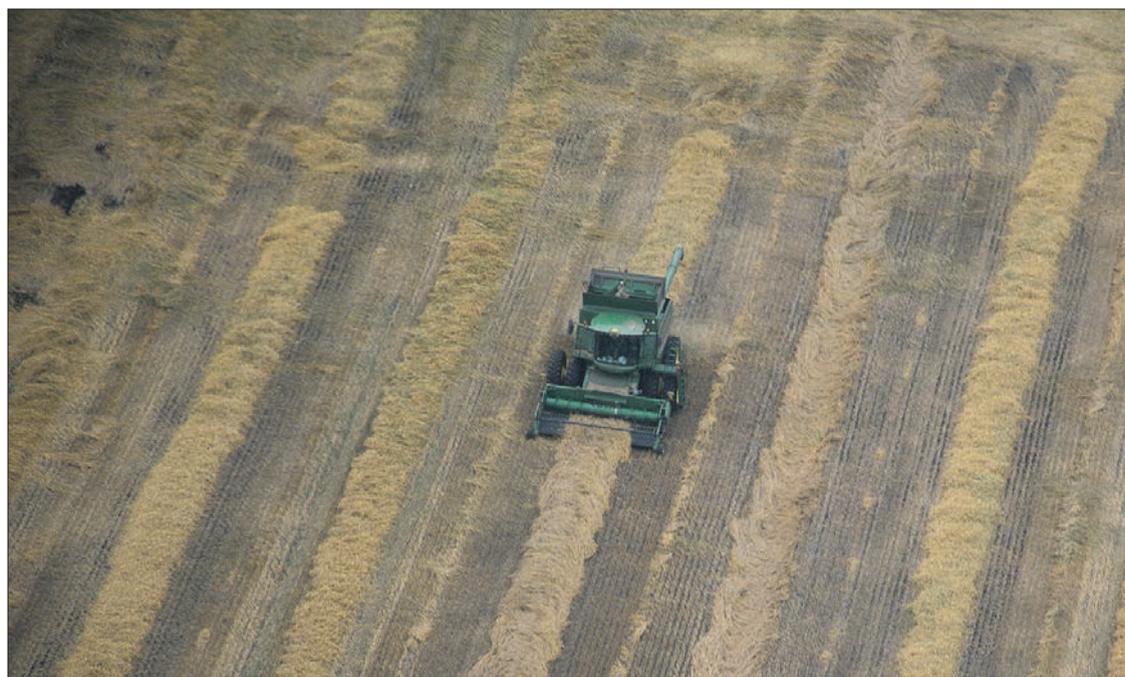
ALBERTA

SOUTH

- Cool, wet weather continues to significantly affect harvest operations and downgrade yield and quality. Ninety-two percent of crops are in the bin with about five percent remaining in swath and three percent standing.
- Harvest of dry beans is essentially completed, as well as 93 percent of potatoes and 52 percent of sugar beets.
- Surface and sub-surface soil moisture conditions average 25 percent poor to fair, 57 percent good and 19 percent excellent.

CENTRAL

- Frost and rain have affected crops remaining in the field, and harvest operations are at a standstill. About 36 percent of crops remain in field with 18 percent in swath and 18 percent standing. Crop quality is below average except for malt barley and the top two grades of oats. Surface and sub-surface soil moisture conditions average 10 percent poor to fair, 55 percent good and 28 percent excellent.



A farmer combines a field of grain, dropping the straw, northeast of Westlock, Alta., earlier this month. Light flurries in the area set back harvest, and some standing crops were flattened by earlier rain and the snow. | LES DUNFORD PHOTO

NORTHEAST

- More snow halted any harvest progress and further downgraded yield and quality of crops. About 34 percent of crops remain in fields with 13 percent in swath, but almost all potatoes have been harvested. Surface and sub-surface soil

moisture conditions are rated 46 percent good and 44 percent excellent.

NORTHWEST

- No significant harvest progress was made due to snow and cold weather. About 45 percent of crops are standing or in

swath, but almost all potatoes have been harvested.

- Surface soil moisture conditions are rated as 44 percent excellent and 35 excessive compared to sub-surface at seven percent excellent and zero percent excessive.

PEACE

- Snow put a stop to any further harvest operations. About 21 percent of crops remain in field with 10 percent in swath and 11 percent standing.
- Only malt barley and the top two grades of canola and oats are above average quality.

caused ongoing delays.

- Soybean and corn silage harvest is close to completion, while sunflower and grain corn harvesting continues.
- Second cut hay is better quality than the first, and in some areas there will be a shortage because of wet field conditions.

EAST

- Rainfall accumulations were about 10 millimetres or less, along with light frost. Nighttime temperatures are getting as low as -2 to -4C.

- The soybean harvest is 85 percent complete, corn is 15 percent complete and sunflowers are about 25 percent complete.

- Straw supplies are rated as 50 percent adequate and 50 percent inadequate while supplies of greenfeed and feed grain are adequate.

INTERLAKE

- Scattered acres of canola and spring cereals remain to be harvested, but crops to be harvested include soybeans, sunflowers, corn silage and alfalfa seed.

- Tillage continues, and the second pass is occurring in many areas.

- Pasture growth is fair to good. Some pastures are grazed off and cattle are being moved to hay fields.

SASKATCHEWAN

SOUTHEAST

- One percent of the crop was combined last week, which brings the region's harvested percentage to 90 percent.
- Most areas recorded less than six mm of rain, and field accessibility is difficult at best.
- Cropland topsoil moisture is rated as 50 percent surplus and 50 percent adequate, while hayland and pasture topsoil moisture is 19 percent surplus and 80 percent adequate.

SOUTHWEST

- Harvest is stuck at 85 percent combined, and geese are feeding on the crops that are still out. Precipitation varied from trace amounts to 18 mm.
- Cropland topsoil moisture conditions are rated as 56 percent surplus and 44 percent adequate, while hayland and pasture are 39 percent surplus and 61 percent adequate.

MANITOBA

SOUTHWEST

- Rainfall again limited harvest progress, and many fields remain too wet to access. Acres remaining to be harvested include about 20 percent of the canola crop, five percent wheat, 30 percent soybeans, 30 percent flax and almost all sunflowers and grain corn. Most first and second cut alfalfa yields were above average with below average quality.

NORTHWEST

- The spring wheat harvest is basically complete, but canola, flax and soybean fields remain unharvested with hemp just beginning. Only 30 to 40 percent of corn silage has been harvested because of wet field conditions. Higher quality feed may need to be sourced because most alfalfa grass forage is testing below average.

CENTRAL

- Precipitation ranged from two to 20 millimetres and has

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desiccated fields have started to regrow.

EAST-CENTRAL

- Seventy-nine percent of crops are in the bin compared to the five-year average of 96 percent.
- Rainfall ranged from four to 39 mm, and many areas have flooded crops and standing water.

- Topsoil moisture conditions on cropland are rated as 51 percent surplus and 49 percent adequate, while hayland and pasture are 41 percent surplus and 59 percent adequate.

WEST-CENTRAL

- Harvest is 73 percent complete compared to the five year average of 98 percent.
- Total precipitation ranged up to 22 mm, and continued wet con-

ditions have caused crop lodging, sprouting, bleaching and grade loss.

- Topsoil moisture conditions on cropland are rated as 54 percent surplus and 46 percent adequate, while hayland and pasture are 21 percent surplus and 79 percent adequate.

NORTHEAST

- Eighty percent of the crop has been combined compared to

the five-year average of 99 percent.

- Precipitation ranged from four to 25 mm along with more than 25 centimetres of snow, which remains in some areas.
- Cropland topsoil moisture conditions are rated as 79 percent surplus and 21 percent adequate, while hayland and pastures are 69 percent surplus and 31 percent adequate.

NORTHWEST

- Harvest progress is 78 percent complete, and waterfowl are feeding on crops left in fields. Total precipitation was five to 47 mm with more than 25 cm of snow in some areas.
- Cropland topsoil moisture is rated as 30 percent surplus and 70 percent adequate, while hayland and pasture topsoil moisture is 31 percent surplus and 69 percent adequate.



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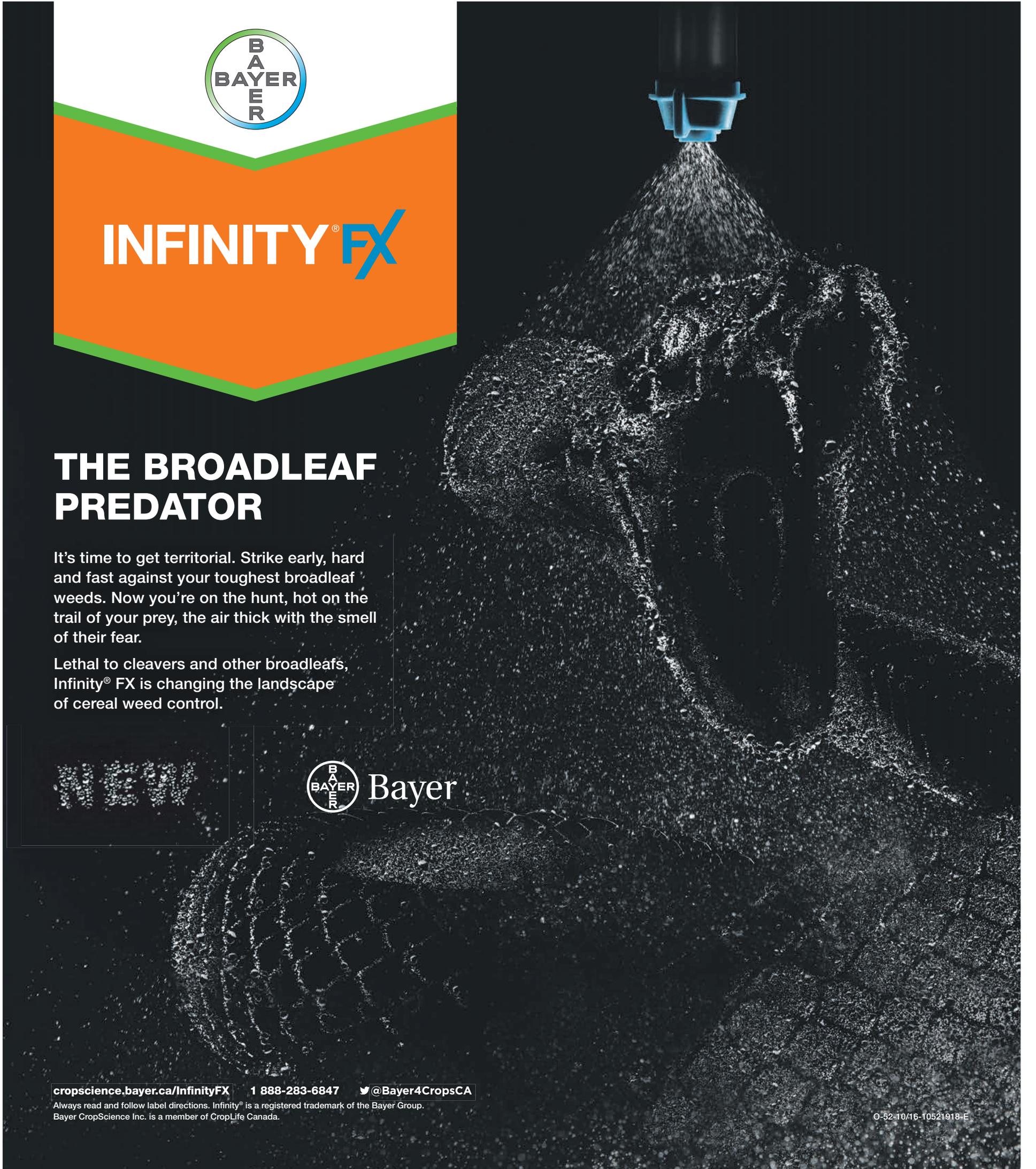
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CLIMATE CHANGE

Pulses to play role in Sask. climate-change plan

Provincial report says increasing pulse production to 25 percent of all acres would cut emissions

BY KAREN BRIERE
REGINA BUREAU

Increased pulse crop production and more frequent soil testing will help Saskatchewan farmers reduce greenhouse gas emissions, says the province's white paper on climate change.

However, the province's farmers also deserve recognition for the carbon they are already sequestering and will continue to store through new technologies, it said.

The industry is almost carbon neutral, according to 2014 data, with emissions of 12.7 million tonnes and sequestration of 11.4

million tonnes.

However, those figures don't include the sequestration capacity of about 21 million acres of grasslands, said Premier Brad Wall while announcing the white paper Oct. 18.

Nor do they include the two million tonnes sequestered by pulse crops or the opportunity to sow marginal lands, such as saline areas, to permanent cover.

He said farmers must receive credit for their efforts, but the federal government has yet to formally recognize that. More work needs to be done to quantify the carbon sinks on forage land not currently

included in the national inventory due to a lack of established science, said the white paper.

Environment Minister Scott Moe said both sides of the ledger must be considered.

"If you're going to talk about the emissions side in agriculture, we feel it's also incumbent on us to talk about the sequestration side," he said. "There's a good story to tell in agriculture."

The white paper notes that increasing seeded acreage of pulses to 25 percent of all acres would cut emissions. Pulses extract most of their nitrogen from the air rather than from applied fertilizer.

Saskatchewan Pulse Growers executive director Carl Potts said moving to a one-in-four-year rotation would require a pulse crop for every available acre, but pulses aren't currently suited to all those acres. Research on crops such as fababeans is helping to make that a realistic goal.

"In 2011, the Saskatchewan Research Council did a study and found that ... adding peas for one year in a four-year rotation reduces non-renewable energy use by 25 percent," he said.

Including lentils once every four years reduces that energy use by 21 percent. This occurs primarily because of the need for less fertilizer in the pulse itself and in subse-

quent crops. Potts said these benefits are in addition to the economic value for the grower.

He said the goal of one-in-four is "a fairly firm milestone that we're working towards."

Really, in a lot of ways we've been leaders in low-carbon agriculture with minimum till and the practices we use and the crops we grow.

TODD LEWIS
APAS

The white paper also noted the benefit of measuring soil nutrient levels. A 2011 survey found 84 percent of Saskatchewan's arable land has been soil tested, but only 25 percent is tested each year.

Increasing that frequency "represents a great opportunity for producers to take an active role in reducing GHG emissions," the paper said, by more accurate fertilizer application and potentially lower nitrous oxide emissions.

Another survey is planned for 2017.

Agricultural Producers Association of Saskatchewan vice-president Todd Lewis said the premier

correctly recognized farmers' role in the past and for the future.

"Really, in a lot of ways we've been leaders in low carbon agriculture with minimum till and the practices we use and the crops we grow," he said after listening to Wall's speech.

He said the premier's stance against the federally proposed carbon tax is appropriate because a tax is not socially responsible.

"If those taxes create less production and there's less food for a world that needs it, how socially responsible is that?" Lewis said. "We've been doing lots already to help this carbon model and we'll continue to."

Wall in his speech emphatically repeated his message that a carbon tax will hurt carbon intense industries such as agriculture, mining and energy without actually reducing emissions.

For example, Saskatchewan canola crushers would face extra costs of about \$1 million per year at a \$10-per-tonne floor price for carbon and \$5 million by the end of the federal government's plan to hike it to \$50 per tonne.

"If their competitors for crushing canola in the United States don't have a similar carbon tax, how would we compete?" Wall said.

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John Hildebrand, PAg
Bulk Seed Merchant
Federated Co-operatives Ltd
Saskatoon, SK

John is responsible for purchasing cereal, pea, and lentil seed from pedigreed seed growers that is sold by Co-op retailers across Western Canada. He evaluates lab reports to ensure the best quality seed is being provided through the Co-op retailer network to producers.

"Being a professional agrologist (PAg) lets customers know that the work I provide is based on the scientific method and that I am bound by a code of ethics and professional standards."

John was raised on a grain farm at Rabbit Lake, SK. He received a BSc in agribusiness from the University of Saskatchewan. John worked within the Co-op retailer network before joining Federated Co-op in 2014.



Garrett Johner, PAg
Marketing Coordinator
Western Sales (John Deere dealership)
Rosetown, SK

Garrett coordinates and oversees all marketing activities for the six (6) Western Sales locations in Saskatchewan. He ensures advertising and promotional items are appropriately targeted towards producers. Garrett also manages the community engagement of Western Sales by evaluating sponsorship and community investments requests.

"The professional agrologist (PAg) designation allows me to continue my education through continual professional development; and provides me a network of professionals to share ideas with while giving my work and opinions credibly."

Garrett's family operates a grain farm near Estevan, SK. He received a BSc in agribusiness from the University of Saskatchewan. Garrett previously worked with Farm Credit Canada before joining Western Sales in 2014.

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GM FOODS

Consumer attitudes about GM food don't match their spending habits

BY KAREN BRIERE
REGINA BUREAU

A study earlier this year for Health Canada has found that consumer perception of genetically modified food is still not positive.

Even though GM food has been on the market for decades, 61 percent of survey respondents and focus group participants said the words "genetic modification" are negative and only 26 percent said they would be comfortable eating GM food.

The study was conducted in March and designed to determine gaps in consumer knowledge and understanding regarding GM food.

However, how consumers respond to surveys doesn't necessarily mesh with their buying habits, says a University of Saskatchewan professor.

Stuart Smyth, who researches biotechnology and innovation, said 76 percent of survey respondents still said they buy on price.

That means they are not willing to pay the higher price for food labelled GM-free or organic.

"They may respond to a survey and say, 'absolutely I want this or I want that,' but when the rubber meets the road and they're in the grocery store, it's 'get in, get what you want and get out as quick as you can,'" he said.

"Organics is really only an option for the extremely wealthy and the very upper income class. It's not an option for middle and lower income people in Canada."

The study also found that 78 percent of respondents believe GM food should be labelled as such, yet 45 percent of the respondents said



A study found that 78 percent of respondents believe GM food should be labelled as such, but just 45 percent look at labels when buying groceries. | GETTY PHOTO

they rarely or never looked at labels.

"I struggle to see how they can get to 78 percent of a concern level," Smyth said. "Consumer purchasing decisions don't correlate to what they're expressing."

Sylvain Charlebois, professor of food distribution and policy at Dalhousie University, said labelling would solve many consumer issues.

"I'm one of the few that has advocated for probably 15 years now for two things. One, we need to embrace the technology; genetically modified crops are good for agriculture. And secondly, we need to label food products," he said.

Connecting the technology to consumers will help educate them, he added.

Charlebois said farmers should be

publicly taking a stance on the issue as part of that education process.

"Farmers actually know how to use the technology," he said.

"They are great stewards of the land and the environment and people trust farmers. Why aren't they out there, not preaching the gospel, but basically making a case for what's going on in their fields?"

He said their opponents' case is weakening as more studies show the safety of GM food. It's an opportune time for farmers to engage, but it will take time, he added.

"To build public trust you're looking at a risk communication strategy that would extend over probably two decades at the very least, to get to the point where people can actually trust the technology and

the use of that technology within food systems," Charlebois said.

Smyth said governments, agriculture and academics have all done a poor job of communicating the technology, and he too sees it as a long-term effort.

"It took 20 years for the anti-smoking movement to gain traction," he said. "We may have to continue this battle for another decade until consumers come around."

He is less convinced that labelling will help, noting that some products now labelled GM-free would never be GM in the first place. He also said he doubts people would be willing to pay the extra cost that labelling would entail.

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CARBON TAX

Conservatives call for carbon tax study

Opposition wants to know cost to agriculture

BY KAREN BRIERE
REGINA BUREAU

Conservative MPs say they are frustrated that Liberal members of the agriculture committee won't study the effect of a carbon tax on the industry.

Bev Shipley, a former chair of the committee from Ontario, presented a motion to the committee Oct. 18.

The opposition wanted the committee to examine the true costs of a carbon tax and the effect it would have on primary industry and manufacturers. The motion called for at least four meetings on the subject, presentations from Agriculture Canada and Environment and Climate Change Canada, and a report to the minister by Feb. 15.

The three Conservative members of the committee voted in favour of it, along with the NDP's Ruth Ellen Brosseau, but five Liberals voted against.

Conservative agriculture critic David Anderson from Saskatchewan said the refusal is unacceptable.

"Why does the government not want Canadians to know the impact that a carbon tax will have on agriculture and the economy?" he said.

Conservative Jacques Gourde from Quebec said farmers would see a substantial increase in cost of production if a carbon tax went ahead.

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SCRATCHING AN ITCH

The Canadian sheep and goat industries have been working to eliminate scrapie from the country. Now they have federal funding to aid their efforts. | **Page 65**



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SCIENCE

Genetic technology's next hurdle: commercial producers

Genomic technology can provide more accurate predictions to improve commercial cattle herds

BY **BARBARA DUCKWORTH**
CALGARY BUREAU

EDMONTON — Purebred cattle breeders have adopted genomic technology as a fast and effective way to improve their animals.

The next step is making the technology practical for commercial beef producers, so they can make more money with more productive cattle.

Looking at the DNA strands of cattle has been a transformative technology in the last five years, said geneticist Steve Miller of Angus Genetics, a subsidiary of the American Angus Association.

“One reason for the uptake in genotyping is we’ve got tools that are more accurate so breeders are using them and they are also cheaper,” he said at the Livestock Gentec annual meeting held in Edmonton Oct. 18-19.

The Angus association has thousands of DNA samples from Canadian and American breeds at its facility in St. Joseph, Missouri.

Genomic technology can provide more accurate predictions on birth weights, weaning weights, post weaning gain, heifer calving ease, carcass records, docility scores, mature cow weights and individual feed intake records. The more records producers provide, the more accurate predictions become.

Commercial producers could benefit from those predictions but they need easy and affordable access to the information.

“By putting genetic values on groups of calves, we could really drive demand for better genetics,” Miller said.

Genetic research is an international collaboration.

John Basarab of Alberta Agriculture is part of a team working on genomic expected progeny difference (gEPD) predictions for commercial beef cattle.

Commercial bull buyers may use EPDs to select new sires that are bred to crossbred cows of various backgrounds. This makes predictions more difficult.

“If we have a comprehensive genetic selection program and we improve the accuracy of our gEPDs that perform well in commercial crossbreeding situations, we could have quite an impact on the profitability of cow-calf situations,” said Basarab.

Gene sequencing of bulls from a number of breeds is complete. The next step is to work on commercial genotypes. Now it can take years to prove a breeding program works, but genomic information could speed the rate of improvement or reveal inconsistencies in cattle quality.

Alison Van Eenennaam from the University of California at Davis,

said developing more productive animals also carries an environmental benefit. More productive animals require less feed and less land. As well, they produce less methane gas and manure.

“We have been spectacularly successful,” she said.

For example, in 1957 an average broiler chicken took 85 days to reach market weight compared to a modern chicken that is ready to go at 41 days.

Meanwhile, the dairy sector has used DNA markers in correlation with pedigrees to select animals with the most desirable qualities like genetic disease resistance, product quality and stayability.

The beef industry has not adopted the new science as quickly.

Part of the problem is linked to extensive crossbreeding and the smaller number of bulls across all breeds that have been genotyped when compared to the Holstein business.

“A lot has been accomplished and within breeds we are getting some accurate estimates. Data limitation is our main hindrance,” Van Eenennaam said.

Part of her research involves collecting information for three years from feedlot cattle sired by Charolais bulls. The resulting information included gender, polled or horned status, post weaning average daily gains, hot carcass

weights, marbling, rib eye area and backfat thickness as well as treatment records for bovine respiratory disease.

Commercial producers want this kind of information, particularly when it comes to predicting marbling in beef.

However, the commercial sector should appreciate genetics can explain marbling 30 percent of the time, but the effects of management and the environment account for the remainder.

Producers are also interested in selecting animals that are feed efficient and fertile. These can be harder to assess and they are currently expensive to monitor.

In addition, collaboration and sharing of information across breeds and countries needs to be improved, she said.

In some countries, genetic information is treated as proprietary, while others share it publicly without qualms.

“We will need millions of records to give us accurate predictions in crossbred cattle,” she said.

Van Eenennaam said breed organizations that take advantage of the declining costs in genotyping and use that information to improve their herd characteristics will be best situated to reap the benefits.

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Efforts are being made to make genomic technology practical for producers of commercial beef herds, such as this one that the Froshaug family of Minton, Sask., trailed home Oct. 16 from its summer pasture in the Big Beaver Grazing Co-op. Pictured are 11-year-old Colter Froshaug on his black horse, Deets, his father, Ryan Froshaug, on his buckskin Quarter Horse, Eor, and older sister, Shyla Froshaug, on her young mare, Lola, in the background. | CARLA FROSHAUG PHOTO

SUSTAINABLE BEEF CONFERENCE

Making more from less key to livestock sustainability

Better animal care and genetics will play a role in improving production

BY BARBARA DUCKWORTH
CALGARY BUREAU

BANFF, Alta. — The humble cow is being charged with environmental degradation for doing what comes naturally — eating grass, chewing its cud and burping.

Cattle that graze on pastures have been linked to climate change because of greenhouse gas emissions such as methane.

The need to defend cattle's impact on the environment and deflect criticism over the ethics of raising animals for food are among the challenges that groups such as the Global Roundtable for Sustainable Beef must address.

More than 200 people attended the conference, held in Banff Oct. 4-7, to discuss ways to regain consumer confidence and prove that the livestock sector is trying to do the right thing by the environment, the economy and society.

"Today, consumers are getting all sorts of negative messages on social media, in the mainstream press, about all these negative things about agriculture, about where their food is coming from. Unfortunately, they are farther away from where their food is coming from than where they were in the past," said Deborah Perkins of Rabobank, a member of the global roundtable.

"If they do not know how their food is produced, they are going to believe all these negative messages they are hearing."

Rabobank says trust appears to have faltered between consumers and food producers.

The lack of trust grew when big corporations neglected to engage with consumers, said Cameron Bruitt of JBS, one of the world's largest meat packing companies.

"Among consumers, big is bad," Bruitt said at the conference.

"Trust has eroded through some of our actions as an industry and as the consumer became more curious about how their food was produced, for too long we said, 'back off, it is none of your business.'"

That attitude resulted in more non-governmental groups pressuring major food producing companies to explain how they would reduce their carbon footprint and switch to alternative proteins, arguing animal agriculture is not sustainable.

A coalition called Farm Animal Investment Risk and Return, which represents 40 investors who control \$1.25 trillion, approached major food companies such as Kraft Heinz, Costco, Walmart, General Mills, Unilever and Tesco at the end of September about their plans to change to plant based proteins.

Another document, called *Changing Climate, Changing Diets*, from the British Royal Institute of International Affairs think-tank called on governments to initiate national debates about meat consumption and intervene on behalf of public health. It linked over-consumption of meat to cancer, heart disease and diabetes.

It also said the livestock sector accounts for 15 percent of global



The cattle industry's sustainability reputation could start making a difference at the meat counter. | FILE PHOTO

emissions, which is the equivalent of exhaust emissions from all the vehicles in the world. A shift to healthier patterns of meat-eating could bring about a quarter of the emissions reductions to slow global warming, it added.

This report was in response to a recent study at Oxford University that said "a global switch to diets that rely less on meat and more on fruit and vegetables could save up to eight million lives by 2050, reduce greenhouse gas emissions by two-thirds, and lead to health care-related savings and avoided climate damages of US\$1.5 trillion.

they are not efficient. They need improved fertility, improved health, fewer parasites and better genetics," Mitloehner said.

Fewer and more productive animals release less methane and provide more food.

The U.S. beef herd has dropped to 90 million from 140 million in 1970, but the smaller herd produces the same amount of beef.

Nine million American dairy cows in 2016 produce more milk than 25 million cows in 1950.

"The carbon footprint of a glass of milk has shrunk by two-thirds since the 1950s. When you produce more per animal, you use less

resources, and I think that is an absolute key in livestock production," he said.

Roger Cady, sustainability lead for animal health company Elanco, agreed that technology and improved productivity are the best ways to feed future populations and reduce the environmental footprint.

Thirty-seven percent of the world's protein needs now comes from milk and eggs, 23 percent from pork, 22 percent from poultry 14 percent from beef and 20 percent from wild game.

Improved animal care is one way to produce more meat. Twenty percent of the world's animals are lost because of disease and other production losses.

"This number is also true in the United States when you think about the number of piglets that are lost, the number of calves that are lost, especially at birth, in the dairy industry. It is tremendous," Cady said.

One in four dairy cows in the U.S. faces mastitis, nine in 10 chickens struggle with coccidiosis and one in three pig herds experience ileitis. Improved animal health and production can produce more, but there are problems outside North America.

Average hen production is 290 eggs per year in the United States, but "there are still parts of the world where we are not even close to 150 eggs per year," he said.

A steer may take up to five years to reach maturity in many parts of the world. It can require 28.2 kilograms of feed to produce a kg of beef compared to North America, where optimal steer growth is two years and requires 13.3 kg of feed per kg of beef.

"Feed consumption across the system is an excellent proxy for water use, greenhouse gas production and energy use. It is a way we can get to monitor progress of feed used to produce a unit of beef."

Cady said the world needs to understand that meat matters in the human diet. An African study that worked with elementary school aged children over five school terms added more protein, energy and milk to their diet.

Learning and test scores improved when diets were supplemented with meat and/or milk. Children gained weight and their body structures improved.

All this is possible, but the meat industry needs public support because more investment is going into research for protein alternatives. The livestock community wants to protect the lifestyle but tends to be introverted about explaining the importance of food production or how agriculture can be sustainable.

"We need to learn how to tell our stories," Cady said.

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When you produce more per animal, you use less resources, and I think that is an absolute key in livestock production.

FRANK MITLOEHNER
AIR QUALITY SPECIALIST

Scientists at the conference said the world is not likely to go vegan, but they agreed new ways are needed to satisfy the rising demand for protein without depleting natural resources.

The U.S. Environmental Protection Agency says agriculture contributes 10 percent of greenhouse gas emissions in the United States. Livestock's direct emissions are four percent of all greenhouse gases in the U.S., while transportation using fossil fuels emits the most.

At the same time, the spectre of nine billion hungry people by 2050 hovers.

Technology improvements are the best approach because it is not practical to return to old fashioned farming methods, said Frank Mitloehner, an air quality specialist at University of California in Davis.

"Do we think animal welfare was better in the good old days? Do we think food safety was better? The public believes that to be true by and large," he said.

The need for greater efficiency is the key to producing more food.

A cow that produces very little milk has a high carbon footprint. A cow in India produces 20 times less milk than an American cow. Most of its feed intake goes to keep it alive rather than producing milk.

"In parts of the world we have hundreds of millions of head of livestock where tens of millions are needed. There are large herds, but

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CATTLE DISEASE

Imperfect testing tools makes Johne's disease control difficult

ANIMAL HEALTH



JOHN CAMPBELL, DVM, DVSC

Johne's disease is considered by some to be a disease that primarily affects dairy cattle. While the disease is not as common in beef cattle, it can represent a significant problem in herds dealing with the infection.

Johne's disease was first described in 1826 and is a bacterial infection that results in a syndrome of chronic diarrhea that eventually leads to weight loss and wasting and death.

The disease, sometimes known as Paratuberculosis, is primarily seen in mature cows. The bacterium that causes it is referred to as MAP (*Mycobacterium avium paratuberculosis*).

A survey by the United States Department of Agriculture revealed that more than 90 percent of beef producers were either unaware of Johne's disease or recognized the disease by name only.

The MAP bacterium that causes Johne's disease has a thick waxy cell wall that makes it very resistant in the environment. It can survive in soil or feces for more than a year

and transmission occurs primarily when animals ingest infected manure or milk.

The bacteria are also secreted in milk and colostrum from infected cows. Transmission of the disease is age-dependent and older animals require a much higher exposure to become infected.

Most animals are infected as young calves at less than six months of age, but it is a very slow progressive disease, so clinical symptoms may not appear until animals are four or five years old.

By that time, the infected animals are already shedding the organism into the environment. The infection causes a gradual thickening of the intestines of the animals making them less able to absorb nutrients.

The primary clinical sign is weight loss and chronic watery diarrhea. The affected animals often remain bright and alert and continue to eat, despite continuing to gradually lose weight.

Clinical symptoms often initially occur shortly after calving in many cases.

The major limitation to dealing with Johne's disease is the imperfect diagnostic tests available. There are three primary options available for testing cattle to see if they are infected with the MAP bacterium.

A blood sample can be taken to see if the animal has antibodies to the MAP bacterium, a fecal sample



Johne's disease affects young calves but symptoms may not appear for years and it may have spread throughout the entire herd. | FILE PHOTO

can be taken and a PCR test (polymerase chain reaction) can be used to identify the MAP bacteria in the feces, or a culture of the feces can be taken and incubated on special media to see if the MAP bacteria is present.

Because the bacteria are slow growing, the culture method can take several months before results are known and so it is less commonly used because of the expense involved.

All three test methods suffer from the same problem. They all do a poor job of identifying cattle that are in the early stages of incubating the disease. This makes control difficult because we cannot rely on test results to find all of the positive animals so that we can remove

them from the herd. It results in disease-positive animals being left in the herd and allows the infection to continue to spread.

In addition, the antibody test and the PCR test can have a low rate of false positives. This means that we might cull some animals that we believe are infected with the MAP bacterium that are really not affected.

This may not be a major problem in some circumstances, but if we are dealing with purebred animals or valuable genetics, it might cause producers to unnecessarily cull animals.

Regardless of the testing protocol, biosecurity principles must be in place to limit the spread of the infection. This is based on two main principles:

- Minimize the exposure of susceptible calves to the feces of infected cattle.
- Reduce the environmental contamination by eliminating animals that shed MAP.

Ultimately, in dairy and beef herds we cannot rely solely on a test and cull strategy to eliminate this disease. In dairy herds, one of the important control strategies is to remove the newborn calf from the mother immediately at birth so that it is less likely to be infected.

This is obviously not possible to do in the cow-calf herd.

However, we do have strategies that may provide benefits. The basic principles of minimizing fecal exposure for young calves in cow-calf herds that we use for control of calf scours are essentially the same management principles for the control of MAP infections.

Using systems such as the Sandhills calving system or the Lacombe system, spreading out the calving environment and minimizing fecal contamination are important aspects of MAP control.

Testing and culling alone will prove to be a wasted effort if attempts are not made to minimize spread through biosecurity and management.

Producers who suspect Johne's disease in their herds should consult a veterinarian for the best testing strategy. It may not always be cost-effective to test the whole herd in commercial herds with low levels of infection.

Instituting basic biosecurity principles to minimize calf exposure to adult feces is also essential.

John Campbell is head of Large Animal Clinical Sciences at the University of Saskatchewan's Western College of Veterinary Medicine.



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DISEASE ERADICATION

Support for goat, sheep producers

Ottawa will provide money for a scrapie surveillance strategy

BY BARBARA DUCKWORTH
CALGARY BUREAU

The Canadian sheep and goat industries are stepping up efforts to deal with scrapie, a fatal brain wasting disease.

The federal government recently announced \$345,720 for the Canadian Sheep Federation to implement its scrapie eradication strategic plan for sheep and goats.

The money, provided through Growing Forward 2, will be used to



The Canadian Sheep Federation wants more sheep and goat producers to have animals tested to determine the prevalence of scrapie in Canada. | FILE PHOTO

enhance national surveillance including more testing of animals in provincially inspected facilities, said Corlena Patterson of the Canadian Sheep Federation and Scrapie Canada.

There is a voluntary national surveillance strategy in place, but it needs more participation.

"It is not as comprehensive as it could be," Patterson said

The federation wants to work with farmers and veterinarians to encourage more on-farm brain sample submissions when animals die. It applied for funds to provide producer compensation to encourage more testing but the government did not include it in this

round, she said.

There will also be enhanced risk mitigation efforts to encourage on-farm surveillance, using scrapie-resistant animals for breeding on farms, more education about different elements of the disease and measures to keep the disease off farms.

Scrapie Canada wants to create a databank of which farms have been sampled and what efforts are needed for sheep and goat testing.

A national prevalence study is also needed to update the last review in 2010.

It would measure trends and indicate whether various disease risk strategies helped.

"The idea is not that you can eradicate scrapie in the duration of this funded project. It is one of those diseases based on the epidemiology and it requires a long-term commitment to getting rid of it," Patterson said.

An enhanced testing program and prevalence study could show the world animal health organization and trading partners that Canada is working toward negligible risk status.

The voluntary scrapie flock certification program is a collaboration between the Canadian Food Inspection Agency and producers to control and eradicate the disease through surveillance of flocks.

Scrapie is related to BSE and chronic wasting disease. The disease causes an itching sensation in affected animals and they will rub off their fleece. It shows up when the animals are three- to five-years of age and may be harboured in the soil. Evidence suggests prions, the infectious agents thought to cause the disease, can be shed through body fluids and excrement.

There were three cases of scrapie in 2015 and one case reported in an Ontario goat herd so far this year.

More information is available at Scrapie Canada or by calling 866-534-1302.

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ALMA ELIMINATION

Former chair questions effectiveness of dismantling livestock, meat agency

BY BARBARA DUCKWORTH
CALGARY BUREAU

EDMONTON — The Alberta government promises continued support for research and market development even after it dismantles the Alberta Livestock and Meat Agency.

"I want to assure you, we remain committed to the long-term growth and sustainability of the livestock sector," said agriculture minister Oneil Carlier at Futurefare, an ALMA event designed to highlight the agency's accomplishments.

Alberta Agriculture assumes responsibility of ALMA's duties on Nov. 1, said assistant deputy minister John Brown at the Oct. 13 meeting in Edmonton.

Many former ALMA staff members have been recruited to work at Alberta Agriculture.

The new goal after the change-over will be to offer strategic investment for the meat and livestock sector focusing on profitability, sustainability and differentiation. ALMA administered Growing Forward 2 programs, which will also be taken over by the agriculture department.

Brown said a business unit similar to the ALMA format has been developed to administer research funding and other duties.

But ALMA chair David Chalack said the agency gave the livestock industry value and he expressed anger about the decision to eliminate it.

He said there was no consultation and the minister did not communicate directly with him or the ALMA board of directors. In contrast, he said, the agency was in constant contact with the previous four agriculture ministers.

"ALMA was one of the very significant agencies whose mandate was to stimulate growth in agriculture. We all found this very unusual given the messages that agriculture and diversification away from oil and gas was a priority for this government," he said in his closing address.

During an interview, he said the industry should have been consulted.

"They never engaged us in any sort of discussion. They didn't poll industry stakeholders. I think it was a fait accompli as soon as the election was over," said Chalack.

When ALMA was first created, it generated angst within the industry about its mandate, but the announcement of its end has generated widespread negative reaction.

"It was an entirely new model that took time to prove its independence and its fairness and its astuteness," said Chalack.

He is unsure whether the new structure will support expansive research projects that benefitted the national industry. He is also concerned the government will be slow in approving projects.

"My experience with government is they are not very timely. Do they get politicized? Yes they do," he said. "It was a small, agile entity that was responsive. Now it is layered in all the bureaucracy of government," he said.

"That's not a criticism of individual people who work for government, but the cumulative effect of all the checks and balances and policies and processes (that) bog everything down, so I can't see it being as responsive."

ALMA started with a budget of more than \$40 million, which was cut to \$25 million by the 2015-16 fiscal year. Future support for agriculture could diminish even further, Chalack said.

Since ALMA was formed, it handled more than 1,400 projects and invested about \$230 million, which was leveraged into more than \$946 million, including investment from project partners.

"It has been eight years where we helped the industry be more competitive, profitable and sustainable," said chief executive officer Gordon Cove.

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During its tenure, funds were distributed to:

- equine: \$1.7 million
- goats: \$499, 596
- elk: \$466, 167

- poultry: \$19 million
- dairy: \$19 million
- beef: \$88 million
- pork: \$31 million

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NATIONAL BEEF SUSTAINABILITY ASSESSMENT

BY ANNEMARIE PEDERSEN
FREELANCE WRITER

A time-tested cliché is that you can't know where you are going, until you know where you have been. When discussing sustainability in the Canadian beef industry, this is especially true.

In 2014, the Canadian Roundtable for Sustainable Beef (CRSB) commissioned a comprehensive look at the Canadian beef industry – the National Beef Sustainability Assessment and Strategy.

This October they shared the results and their plan for moving forward. The picture it paints of the industry is fairly balanced and positive, with opportunity for the future.

A snapshot of the Canadian beef industry

The National Beef Sustainability Assessment and Strategy (NBSA) is the first project of its kind in the Canadian beef industry; an industry that contributes more than \$41 billion to the Canadian economy and provides 228,000 jobs.

Approximately 68,500 beef farms from across the country raise more than 1.2 million tonnes of beef every year. Canada is the sixth largest exporter of boxed beef and the fifth largest exporter of beef and cattle in the world.

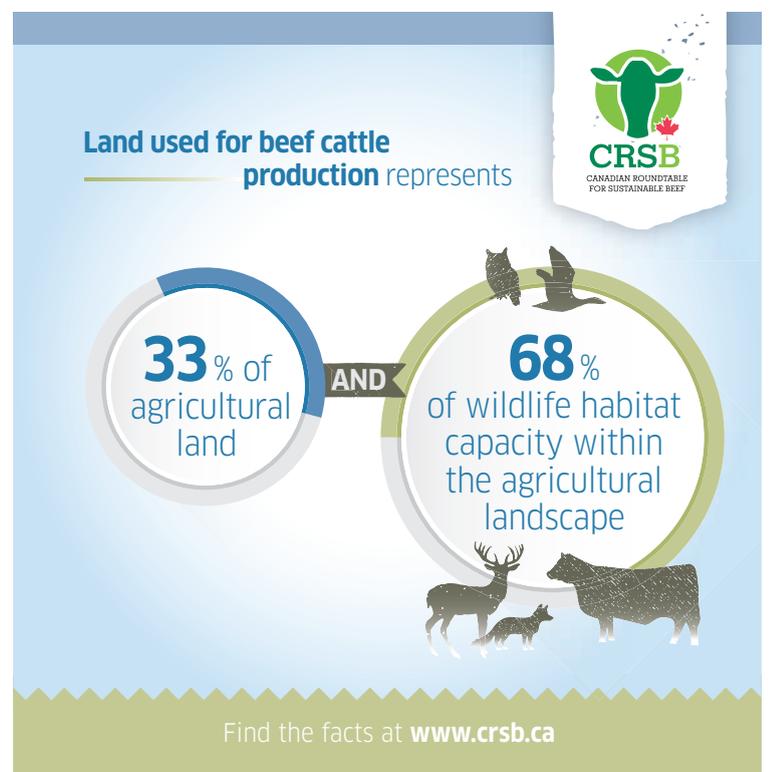
An industry of this size and influence can play an important leadership role in demonstrating a commitment to continuous improvement when producing sustainable

beef. This Assessment and Strategy is the first step in measuring where the industry has been, where it is now and where it needs to go.

Third party credibility

Three assessments were conducted in the areas of environmental, social and economic sustainability, with a number of benchmarks under each area. The study followed international guidelines and standards, was overseen by a CRSB steering committee and reviewed by an external third-party panel of experts.

Deloitte oversaw the collection of data from primary sources (beef producers and others in the value chain) as well as secondary sources such as literature reviews, statistical



and proxy data to be included in their assessment of the environmental and social sustainability conditions in the beef sector.

The economic assessment was completed by Canfax Research Services and looked at factors such as long-term profitability, long-term per unit cost of production, domes-

tic consumer demand and international consumer demand.

Environmental Assessment

The environmental assessment included an Environmental Life Cycle Assessment (E-LCA) and a Land Use Assessment (LUA). The E-LCA looked specifically at the beef industry's impact on climate change, fossil fuel use, water use and air and land pollution.

The LUA was important as it addressed areas not covered in the life cycle analysis, such as biodiversity, soil carbon sequestration, water use and water risk. The Assessment report noted that they felt these assessments were good starting points but that there needed to be more comprehensive research done when global tools and methodologies improved.

The CRSB's environmental goals are broad reaching and speak to many issues currently facing the beef sector.

Climate Change

Climate change is a broad category that includes fossil fuel depletion and air quality. Overall Canada is a very efficient beef producer in regards to greenhouse gas emissions, with a total footprint less than half the world average – 11.4 kilograms of carbon dioxide equivalents per kg of live weight. This is before taking into account the 1.5 billion tonnes of carbon stored in lands used in beef production, both natural pasture land and acres used for crops, tame hay and pasture.

What can be improved? The goal



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of reducing the greenhouse gas footprint of Canadian beef per unit of product produced will be measured against the baseline established in the Assessment. Opportunities to improve this include:

- Optimize diets
- Improve manure management
- Increase carbon sequestration
- Improve feed and forage production
- Support the identification and selection of cattle genetics that reduce the GHG footprint of beef production
- Increase stakeholder awareness

Land Use and Biodiversity

Land use and biodiversity speaks to the CRSB goal of enhancing ecosystem services and biodiversity on lands managed by beef producers. Beef cattle production is currently using approximately one third of the Canadian agricultural land base – 52.2 million acres. Cropland being used to produce cattle feed represents less than nine per cent of Canadian crop and summer fallow land.

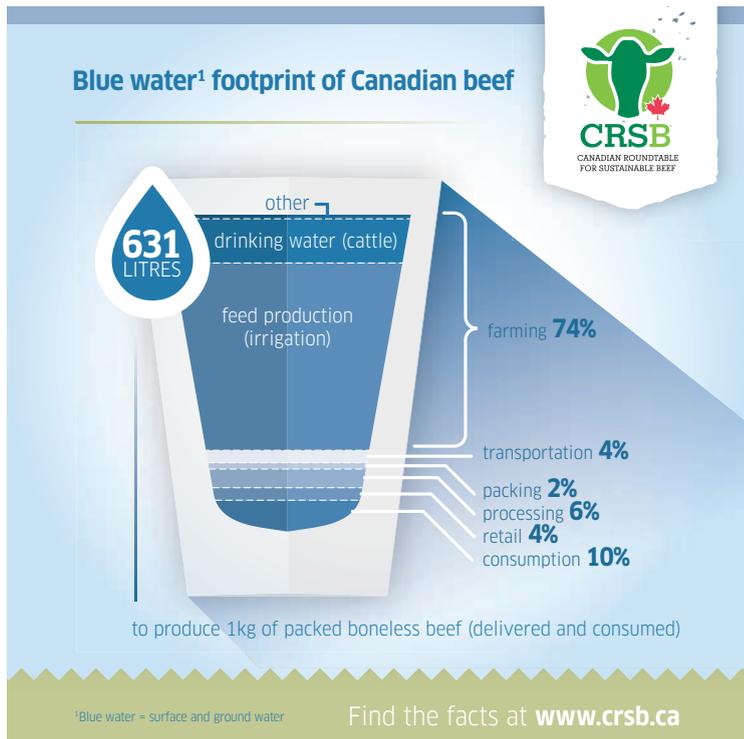
The assessment looked at the ability of land used in beef production to support wildlife habitat. The result shows that the beef industry contributes the largest portion of potential wildlife habitat of all agricultural land, primarily due to the high proportion of grassland used by beef cattle. However, Canadian grasslands are considered an endangered ecosystem as less than 20 per cent remain intact.

The action items in this category include:

- Support ongoing work that enhances habitat quality
- Build relationships between the industry and conservation partners
- Support research to build an understanding of the relationship between beef production and biodiversity;
- Develop of markets and tools to monitor and measure environmental deliverables
- Encourage awareness and use of riparian and range assessments

Water

The impact the beef industry has on water was assessed in three ways: water use, water risk and pollution potential. Blue water use – specifically surface and groundwater – is the baseline being measured for Ca-



nadian's use of and care for water.

Canada's blue water footprint is relatively low in comparison to other beef producing countries because very little of the land used to feed cattle is irrigated, as well as the efficient production systems in place in Canada. To produce one kilogram of packed boneless beef, it takes 631 litres of blue water – of this, 74 per cent is related to growing feed in the farming stage and 19 per cent is drinking water for cattle.

More detailed analysis is needed relating to water risk. Marginal lands, grasslands, and areas with low precipitation, tend to be the ideal locations for beef to graze and be fed. The water risks in these areas can be significant and include water stress and drought.

Pollution potential and eutrophication (where bodies of water receive excess chemical nutrients) of fresh and marine water was assessed to measure the beef industry's potential impact on water resources. Nutrients may come from many sources such as agricultural fertilizers, Nitrogen from the atmosphere, erosion of soil containing nutrients and sewage treatment plant effluent.

The key performance indicator is the blue water footprint intensity - and possibly in the future, a wetland inventory and study of the relationship between beef production and wetland conservation. Action items towards the goal of enhancing ripar-

ian health and reducing the footprint of beef production include:

- Enhance producer riparian health knowledge and tools
- Support research that builds understanding of the relationship between beef production and water
- Support innovation in water use efficiencies; and
- Improve feed yields, drought resistance and irrigation practices.

Meat Waste

Meat waste is part of every sustainability discussion today. Approximately one-third of all food produced for human consumption is lost or wasted. While the results of the study measure wasted meat in North America and Oceania not specifically beef in Canada, they do provide some thoughts into areas for improvement.

The largest environmental impacts from secondary processing to consumption come from meat waste. Approximately 19 per cent of edible bone-free meat is lost post harvest and could be reduced by improving carcass quality and utilization. A reduction of yield grade 3 cattle in Canada would reduce trimming of the carcass that isn't used.

The goal to reduce post harvest meat waste could be achieved. The action items in place are:

- Reduce food waste at the consumer level;
- Enhance the understanding of food waste in Canada and pertinent markets;
- Promote improved product packaging
- Improve carcass quality and utilization

Social Assessment

Social goals include some social license issues that must be addressed to retain consumer confidence. The CRSB took a broad look at social sustainability and used a social life cycle assessment (S-LCA) to review the well-being of stakeholders like workers and local communities as well as the animals. The three main categories are working conditions, animal welfare and antimicrobials.

Working Conditions

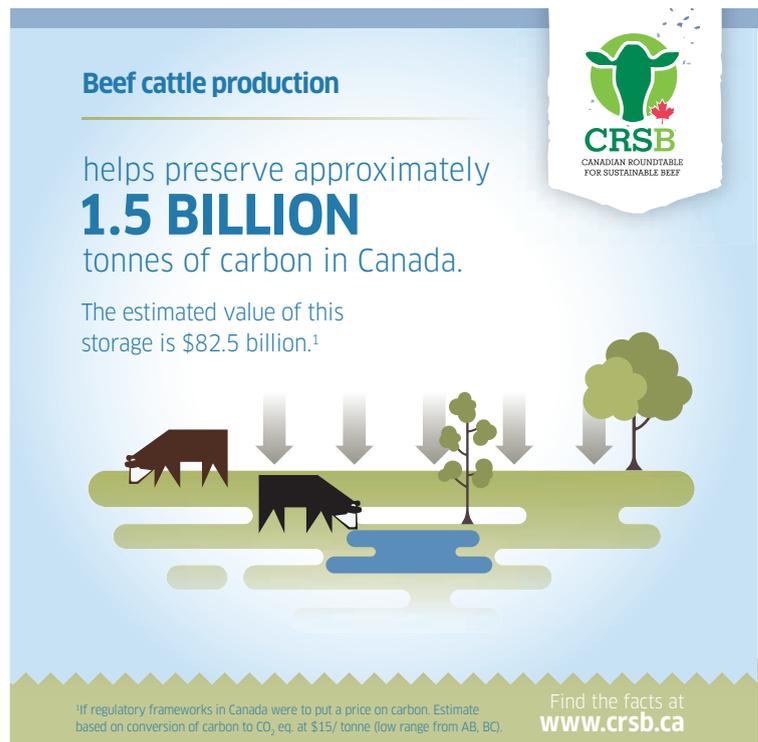
While most indicators related to working conditions showed low risk, four "hotspots" were identified: rights of temporary foreign workers (because Canada has not signed on to a UN Convention regarding the rights of migrant workers); the fatality rate at the supplier level (higher



than the Canadian average); the wage of workers at the distribution level (wages of fast food employees are below the national average); and the work load for beef producers.

Action items outlined to achieve the goal of promoting farm safety

continued on page 68 >>



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and responsible working conditions include:

- Promote best practices in relation to farm safety
- Support conversations about safety, wage equity, and migrant worker rights
- Promote culture of inclusion, diversity and transparency along the supply chain.

Animal Welfare

The recent development and dissemination of the Code of Practice for the Handling and Care of Beef Cattle has a great deal to do with the low risk found in the animal welfare portion of the assessment. The study found very low and low risks to animal welfare throughout the value

chain, with a moderate risk identified under pain control for branding.

Promoting excellence in animal care will be measured by the uptake and adoption of the Code of Practice by those producing Canadian beef. Action items to achieve this goal include:

- Support training for animal transport
- Support research and innovation regarding better pain control protocols and products
- Communicate adoption of pain control protocols and products
- Investigate alternatives to branding older animals.

Antimicrobials

The results of the study found that Canadian beef producers are generally following best practices when it



comes to antimicrobials. Practices such as pre-conditioning calves and following the Verified Beef Program's protocols on the responsible use of antimicrobials reduces the chance of misuse. This leads to a rating of very low to low risk in Canada of misuse of these drugs and the resulting antimicrobial resistance.

However, more can always be done in relation to the goal of supporting the further development, monitoring and dissemination of best practices regarding antimicrobial use.

The action items laid out by the CRSB related to this important issue are:

- Support the development of a database for robust measuring and monitoring of antimicrobial use and resistance, aligned with the National Beef Antimicrobial Research Strategy;
- Support the further development and dissemination of best practices regarding antimicrobial use
- Develop responsible use guidelines for verified sustainable beef
- Support consumer understanding of the importance of responsible use of antimicrobials in the beef industry to ensure animal care.

Economic assessment

The economic goals are future looking; both individual farmers

and ranchers, and the industry as a whole, must be economically sustainable for the industry to be thriving years from now.

Economic sustainability is defined by the CRSB as the ability of a system to maintain productivity in spite of a major disturbance, as well as slow shifts in consumer preferences. Both producer viability and consumer resilience (or demand) must be maintained to ensure the future of the industry.

Producer viability

The beef industry, whether cow-calf, feedlot or packer, is a business of small margins and is vulnerable to weather and market influences. To be viable in the beef industry, a producer should have the financial ability to:

- Return the cost of capital
- Fund all operating expenses via internal working capital
- Pay labourers and owners at least the average standard wage
- Have the capacity to repay debt principal
- Maintain a safe level of equity (e.g. 85 %)
- Provide capacity for independent retirement of owners
- Survive business succession with the family structure intact
- Survive and prosper in the long term without erosion of environmental capital

Based on the research done in the economic assessment, a 200-head operation may only make an annual income of just over \$17,500. This is well below Statistics Canada's low-income cut-off and would not support an average family. It explains why, over the last decade, between 75 and 84 per cent of the cow-calf sector has relied on off-farm income to stay in business.

Unpaid labour, erosion of equity, and the inability to service debt in a timely manner are threats to producer viability at certain times in the cattle cycle. The goal of increasing the financial viability of beef production in Canada is a lofty one but a clear set of action items has been outlined by the CRSB:

- Increase producer financial knowledge and viability
- Increase production efficiency and innovation
- Communicate the role of technology and innovation as it relates to the environmental, social and economic benefits to the beef industry.

Consumer Resilience

Without consumer demand for the product, the Canadian beef industry would be in serious jeopardy. In order to remain sustainable the industry must evolve with the consumer and respond to their changing preferences. The industry must identify fads that are becoming long-term trends and ensure the systems are set up to respond to those consumer demands.

The goal of increasing demand for Canadian beef through consumer awareness of sustainable beef production, addresses the need for the industry to recognize what they are asking for and providing it.

The actions that will bring this goal to reality are far reaching and will require the commitment of the entire value chain and stakeholders.

- Increase the capacity of the beef supply chain to respond to market demands

continued on next page >>



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There is a **NEW** funding category under the Beef Biosecurity program for: **SEGREGATION PENS** (see details below under Biosecurity Funding - contact the office for more info).

Food Safety Funding

50% UP TO \$750/PRODUCER

Eligible equipment includes:

- Extra restraint on squeezes*
- Individual livestock scales (load bars)
- Recordkeeping software

*Note: neck extender, head holder, shoulder holder

Biosecurity Funding

50% UP TO \$1,000/PRODUCER

Eligible items include:

- **Vet Consultation Visits** (Biosecurity assessment & protocol development)
- **Segregation Pens** (isolation/quarantine pens for incoming or sick cattle) **NEW**

Food Safety VBP Registered Funding

50% UP TO \$2,000/PRODUCER

Eligible equipment remains the same as food safety funding*. To be eligible, producers must have their cattle operation VBP Registered (on-farm audit).

*Note: \$750 cap per extra restraint mechanism

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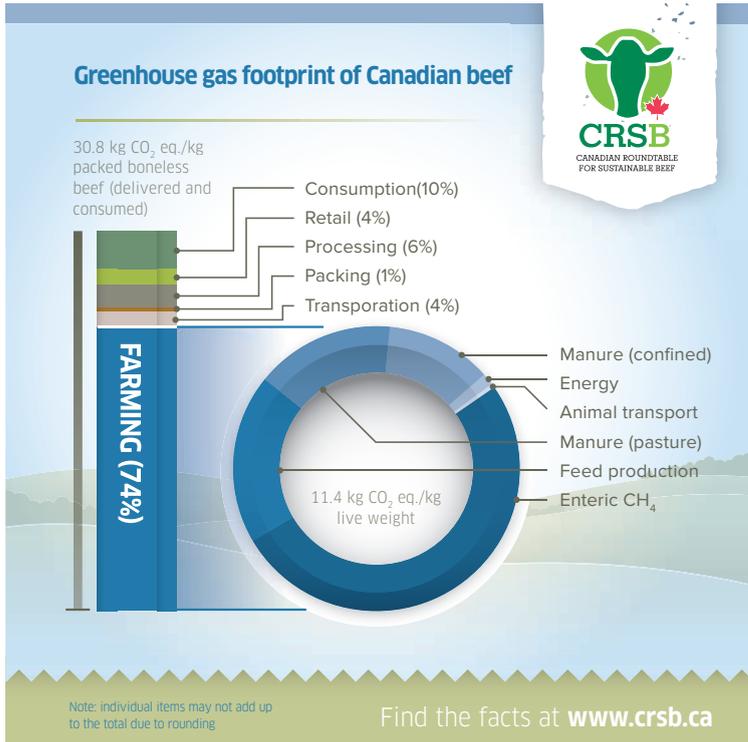
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tion practices that are of interest and concern to the consumer

10 big goals

The CRSB assessment report has painted a pretty clear picture of where the industry is today, and there is a lot to be proud of.

“The results show that the greenhouse gas and blue water footprints of Canadian beef are among the lowest in the world; land used for beef production supports wildlife habitat and biodiversity and also stores carbon; farmers and packers are leaders in animal health and welfare practices; the risk of antimicrobial misuse is low; and social impacts to temporary foreign workers, and in general, working conditions are not a risk.”

There is work to be done on the economic side though where both

producer viability and consumer resilience are factors that put the industry at risk.

The CRSB set itself 10 significant goals related to the sustainability of the beef industry in Canada.

The goals outlined under environmental, social and economic benchmarks will provide the guidance needed as the verification system for

sustainable beef is developed.

The first and overarching goal, “To build a stronger and more united Canadian beef sustainability community” is critical to the success of the other nine goals.

Consumer confidence and support of this industry will not happen if only one sector does the work. Everyone will need to be involved.

>> continued from page 68

- Support the critical examination of newly developed technolo-

gies within a sustainable beef framework

- Support responsible communication and marketing of produc-

Your Financial Source Made Easy for Prairie farmers

Western Cash Advance Program Inc. (WeCAP)

- Cash Advance Payment Program for Alberta and Saskatchewan producers.
- Administrator of the Agriculture and Agri-Food Canada (AAFC) Advance Payment Program covering 27 different commodities including breeding stock in Alberta and 24 different commodities in Saskatchewan including breeding stock.
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- Flexibility to sell your commodity when the market is in your favour.
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- Provides only Alberta livestock producers with a competitive method of financing breeding stock (heifer calves, bred heifers, bred cows, cow/calf pairs, ewe lambs and yearling ewes).
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Contact Information:

Feeder Associations of Alberta Limited
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Toll-free Fax: 1-888-840-8107
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WEATHER

Beware the 'mini-blob' and brace for the cold

BY SEAN PRATT
SASKATOON NEWSROOM

Winter will come in like a lamb and go out like a lion, according to AccuWeather.

December is expected to be warmer and windier than normal because of several Pacific systems from British Columbia sweeping across the region with strong jet streams.

"As we get into January and February, we think the pattern is going to change," said senior meteorologist Brett Anderson.

A "mini-blob" of warm water in the northeast Pacific Ocean will create a high pressure system that will push a series of Arctic blasts south.

"It opens the door to these cold intrusions down into the Prairies," he said. "It's certainly going to feel colder than last winter, which was fairly mild across basically all of Canada."

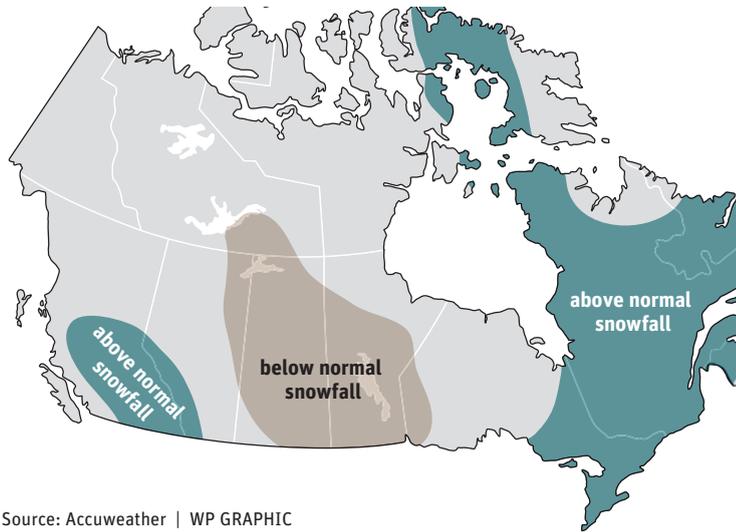
Cold Arctic air doesn't contain much moisture, so it will be drier than normal in Manitoba, Saskatchewan and parts of eastern Alberta.

Western Alberta should have normal snowfall because the mountains and foothills cause the Arctic air to rise.

Drew Lerner, president of World Weather Inc., agrees there will be a cooler trend because of the recent plunge into the negative phase of the Arctic Oscillation climate pattern.

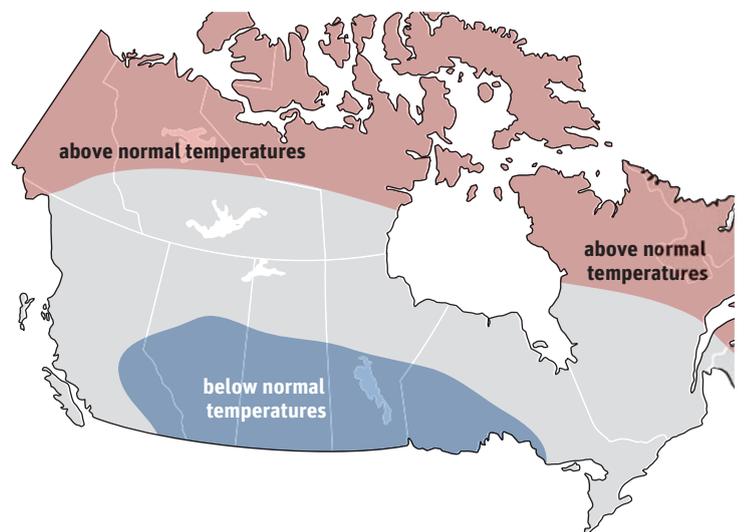
ACCUWEATHER'S 2016-17 WINTER FORECAST: DRY AND COLD

Precipitation outlook, December 2016 to February 2017:



Source: Accuweather | WP GRAPHIC

Temperature outlook, December 2016 to February 2017:



"Anytime you get a significant fall into negative Arctic Oscillation at this time of year, it is not something you recover from," he said.

It means the Prairies will be exposed to Arctic air blasts.

"So we will progressively cool as we go through the autumn and into the winter," said Lerner.

"The only reason why we're not notably cold right now is that the whole Northern Hemisphere is still recovering from the El Nino heat."

That lingering heat should create windows of opportunity for farmers to finish harvest in most areas of the Prairies, although that is unlikely in the really wet areas such as northeastern Saskatchewan and northwestern Manitoba.

The negative phase of the Arctic Oscillation typically lasts three months but can stick around for up to six months.

He believes the colder than normal weather could stay around

through February because of the influence of a weak La Nina forming this fall or early winter.

Lerner does not agree with AccuWeather's forecast for a warmer than normal December or for a drier winter for much of the region.

La Nina years tend to produce above average precipitation in western and southern Alberta and southern Saskatchewan.

He believes it will be dry in Manitoba and northeastern Saskatche-

wan, normal for the remainder of Saskatchewan and above average precipitation in western and southern Alberta.

Anderson said the caveat in his forecast is climate change.

"It's tougher to get these colder winters nowadays, but they're going to happen from time to time and this year is one of the setups we think will do it," he said.

There are too many supporting factors, such as the La Nina favouring Arctic air masses descending across the Prairies.

Another factor pointing to a cold winter are the analogs of this year's weather to date, which suggest a winter similar to 2013-14, which was miserable.

And then there is Siberia's snowfall. When Siberia receives higher than average snowfall in October, it favours a high pressure system setting up over the North Pole in mid-winter, pushing cold air south. That is the case this October.

sean.pratt@producer.com



WILLIAM DEKAY PHOTO





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JOINT FARM OPERATIONS

Ag operations caught in crossfire of business tax changes

MANAGING THE FARM



RON FRIESEN, MNP LLP

Large Canadian farms often have multiple corporate structures, such as when parents and grown children and their families are farming together.

This has allowed farmers to operate more efficiently and share costs, expenses and capital assets.

However, the federal government is amending business tax rules that could affect farm business corporations. Although directed at business in general, the changes did not take into account the unique nature of farms and how they have changed in the past few decades.

Taxable capital threshold

This amendment changes how the taxable capital limits are calculated, which start affecting the small business limit at \$10 million and fully eliminates it at \$15 million.

In the past, corporate structures such as Mom and Dad's business and the son and his family's business could pool their assets in a third company but only include in their capital the pro-rated percentage of the assets held by the third company if the proper election was filed.

This is no longer an option. Within the corporate group, they now have to add their combined capital in the calculation.

Let's say parents and two grown children and their families have four companies in their corporate group.

Before the new rules went into effect, each company had its own taxable capital limit of \$15 million, assuming proper elections.

After the amendment and new rules, the whole corporate group will be entitled to only one taxable capital limit of \$15 million.

Specified corporate income

The government is also cracking down on profit shared between certain companies by defining a new type of income called specified corporate income.

These are costs that might be charged between two related groups such as rent of land or use of equipment. The income transferred through these charges is no longer eligible for the small business limit.

Farmers should work with their tax planner and educate themselves on specified corporate income and find out if their business arrangements are caught by this new regulation.

Capital held inside the corporation, such as land and buildings, is included in the taxable capital limit, while capital held outside the corporation, such as land bought many years ago and personally owned, would not be part of the total capital calculation.

This could benefit those who have owned the land for some time and be a detriment to new owners.

Basing the taxable capital limit on historical cost rather than fair market value also favours more established farmers.

The land might have been bought a number of years ago, but its value at that time is still used to calculate total capital value today.

New owners who bought land recently will use more up-to-date values, which will be significantly higher in most areas and bring them much closer to the taxable limit cap.

However, the biggest issue is that the cap itself has not been re-evaluated or adjusted for inflation since 1994.

The \$10 to \$15 million benchmarks for taxable capital limits were large businesses 22 years ago, but they now affect far more small-to-medium sized agricultural businesses.

When adjusted for inflation, \$10 million in 1994 would likely be worth more than \$20 million today.

The costs and values associated

with farming continue to rise, while the exemption limits remain the same. It takes a lot less for farms to reach the capital threshold and lose their exemptions.

It might have taken a new couple \$2 million to get started in farming in 1994, but today it could take \$10 million, which means many new farmers have hit the first benchmark as they enter the industry.

The good news is that there are still a few tax structures that could provide options for farmers looking to offset these changes.

A joint venture is an arrangement in which two or more producers farm together to benefit from economies of scale. Here's an example:

One farmer has 3,000 acres and another has 7,000. The first farmer

might not be able to make the math work for a new combine, and the second farmer might not be able to justify a second combine, but together they are farming 10,000 acres and now the equipment purchase makes sense for both of them.

A joint venture is not a partnership, which in this example would own the combine.

In a joint venture, each company would own an interest equal to their share. In this example, shares in the combine would be split 70-30.

As well, the farmers pool their results, so the profit would be split 70-30 on the 10,000 acres.

In a cost sharing arrangement, each farmer owns their own equipment but they pool their resources to farm more efficiently. For exam-

ple, one company might own the combine and the other the seeder or sprayer. In the cost-sharing model, each company tracks its own results and the participants pool only expenses, and not revenue, as they would in a joint venture.

Multiple partnerships occur when a farm is effectively working in different divisions, such as grain and cattle. These divisions can be split into two separate partnerships with each potentially retaining its own small business limits.

However, there must be valid business reasons for creating these kinds of structures.

Ron Friesen, CPA, CA, is a Business Advisor, Taxation Services with MNP. He can be reached at 306.664.8324 or email ron.friesen@mnp.ca.

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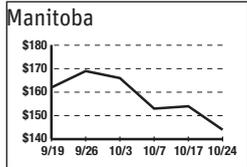
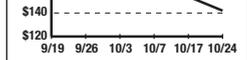
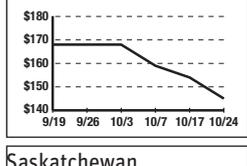
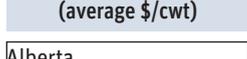
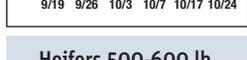
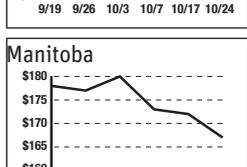
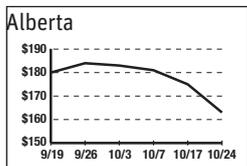
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CATTLE & SHEEP

Steers 600-700 lb. (average \$/cwt)



Canadian Beef Production

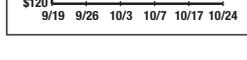
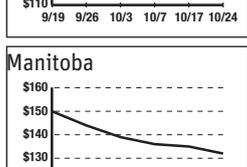
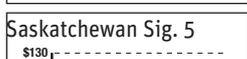
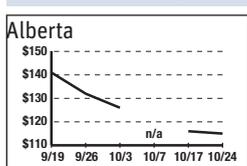
million lb.	YTD	% change
Fed	1,600.5	+10
Non-fed	226.7	+14
Total beef	1,827.2	+10

EXCHANGE RATE
OCT. 24
 \$1 Cdn. = \$0.7492 U.S.
 \$1 U.S. = \$1.3348 Cdn.

HOGS

Due to wide reporting and collection methods, it is misleading to compare hog prices between provinces.

Index 100 Hog Price Trends (\$/c/kg)



ELEVATOR SHIPMENTS

Slaughter Cattle (\$/cwt)

Grade A	Live		Previous	Year ago	Rail		Previous
	Oct 14 - Oct 20	Oct 7 - Oct 13			Oct 14 - Oct 20	Oct 7 - Oct 13	
Steers							
Alta.	133.00	129.75-130.50	n/a	219.00-220.50	213.50-218.50		
Ont.	113.96-130.24	122.27-129.74	162.40	209.00-213.00	212.00-217.00		
Heifers							
Alta.	132.00	129.25-129.50	n/a	220.50	217.00-218.50		
Ont.	113.46-125.77	119.43-128.57	157.40	208.00-212.00	211.00-216.00		

*Live f.o.b. feedlot, rail f.o.b. plant. Canfax

Feeder Cattle (\$/cwt)

	Sask.				Man.				Alta.				B.C.			
	900-1000	800-900	700-800	600-700	900-1000	800-900	700-800	600-700	900-1000	800-900	700-800	600-700	900-1000	800-900	700-800	600-700
Steers	138-150	135-155	147-155	142-158	138-150	135-155	147-155	142-158	138-150	135-155	147-155	142-158	138-150	135-155	147-155	142-158
Heifers	127-143	129-149	132-145	131-144	127-143	129-149	132-145	131-144	127-143	129-149	132-145	131-144	127-143	129-149	132-145	131-144

Average Carcass Weight

Canfax	YTD 16			
	Oct 15/16	Oct 16/15	YTD 16	YTD 15
Steers	932	935	917	884
Heifers	845	855	841	815
Cows	717	702	763	725
Bulls	1,059	991	1,018	1,002

U.S. Cash cattle (\$/cwt)

Slaughter cattle (35-65% choice)	Steers		Heifers	
	National	Kansas	National	Kansas
National	100.40	101.04	101.04	100.00
Kansas	99.78	100.00	100.00	100.00
Nebraska	101.56	102.00	102.00	102.00
Nebraska (dressed)	158.00	n/a	n/a	n/a

Feeders No. 1 (800-900 lb)	Steers		Trend	
	South Dakota	Billings	Dodge City	USDA
South Dakota	120.50-130.60	+1/+2		
Billings	120.50-123.00	n/a		
Dodge City	120.00-121.00	n/a		

Cattle / Beef Trade

Exports	% from 2015	
	Sltr. cattle to U.S. (head)	432,172 (1) +14.9
Feeder C&C to U.S. (head)	162,668 (1)	-38.5
Total beef to U.S. (tonnes)	177,309 (3)	+16.1
Total beef, all nations (tonnes)	230,106 (3)	+12.0
Imports	% from 2015	
Sltr. cattle from U.S. (head)	n/a (2)	n/a
Feeder C&C from U.S. (head)	12,926 (2)	-48.4
Total beef from U.S. (tonnes)	95,091 (4)	-4.9
Total beef, all nations (tonnes)	149,234 (4)	-7.4

(1) to Oct 8/16 (2) to Aug 31/16 (3) to Aug 31/16 (4) to Oct 15/16 Agriculture Canada

Fixed contract \$/c/kg

(Hams Marketing)	Maple Leaf Sig 5		Thunder Creek Pork	
	Week ending	Oct 24	Week ending	Oct 24
Dec 03-Dec 10	93.48-97.74	86.20-89.76	93.48-97.74	86.20-89.76
Dec 17-Dec 24	96.30-99.19	88.10-92.30	96.30-99.19	88.10-92.30
Dec 31-Jan 07	94.01-95.99	98.97-100.53	94.01-95.99	98.97-100.53
Jan 14-Jan 21	97.96-100.37	100.39-103.09	97.96-100.37	100.39-103.09
Jan 28-Feb 04	103.20-108.74	106.53-112.60	103.20-108.74	106.53-112.60
Feb 11-Feb 18	111.55-114.39	111.70-112.65	111.55-114.39	111.70-112.65
Feb 25-Mar 04	113.79-116.63	121.21-123.31	113.79-116.63	121.21-123.31
Mar 11-Mar 18	117.71-118.31	120.90-121.80	117.71-118.31	120.90-121.80
Mar 25-Apr 01	120.96-124.73	124.80-125.20	120.96-124.73	124.80-125.20
Apr 08-Apr 15	128.04-132.60	126.32-127.90	128.04-132.60	126.32-127.90

Hog Slaughter

To Oct 15	Fed. inspections only	
	Canada	U.S.
To date 2016	15,929,621	90,665,918
To date 2015	15,719,668	88,970,823
% change 16/15	+1.3	+1.9

Hogs \$/c/kg

Alta. Index 100	115.10	Man. Index 100	132.00
Sask. Sig. 5	120.35	Que. Index 100	127.00

Hogs / Pork Trade

Sltr. hogs to/fm U.S. (head)	Export		% from 2015	
	Total pork to/fm U.S. (tonnes)	810,826 (2)	+7.9	155,846 (3)
Total pork, all nations (tonnes)	810,826 (2)	+7.9	155,846 (3)	-1.1

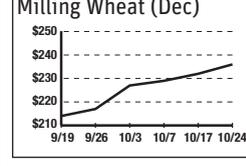
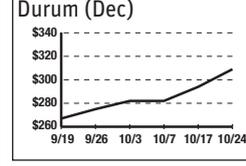
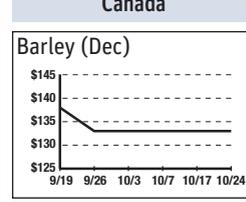
(1) to Oct 8/16 (2) to Aug 31/16 (3) to Oct 15/16 Agriculture Canada

Chicago Hogs Lean (\$/cwt)

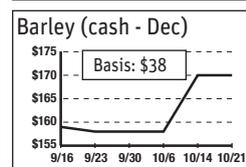
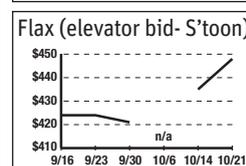
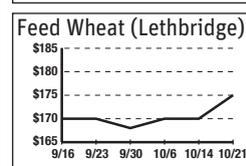
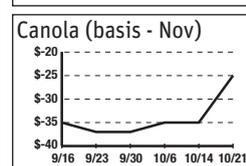
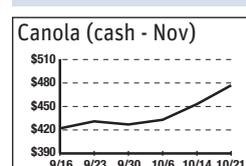
	Close		Trend	Year ago		Close		Trend	Year ago
	Oct 21	Oct 14				Oct 21	Oct 14		
Dec	41.85	42.23	-0.38	63.60	Jun	69.68	71.08	-1.40	77.70
Feb	48.73	50.28	-1.55	66.15	Jul	70.35	71.38	-1.03	77.30
Apr	56.73	58.03	-1.30	69.98	Aug	70.55	71.75	-1.20	76.55
May	66.00	66.33	-0.33	74.98	Oct	60.90	62.40	-1.50	66.58

GRAINS

ICE Futures Canada

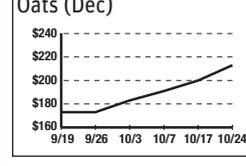
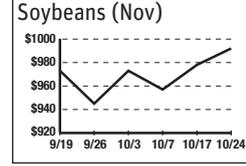
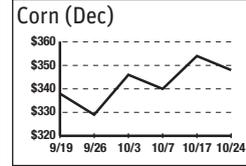


Cash Prices

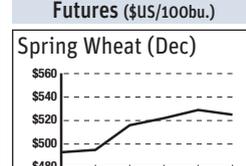


Canola and barley are basis par region. Feed wheat basis Lethbridge. Basis is best bid.

Chicago Nearby Futures (\$/100 bu.)



Minneapolis Nearby Futures (\$/100bu.)



Pulse and Special Crops

Source: STAT Publishing, which solicits bids from Maviga N.A., Legumex Walker, CGF Brokerage, Parrish & Heimbecker, Simpson Seeds and Alliance Grain Traders. Prices paid for dressed product at plant.

	Oct 21	Oct 14	Sept 23
Laird lentils, No. 1 (c/lb)	57.00	57.00	51.00
Laird lentils, Xtra 3 (c/lb)	43.00	43.00	40.00
Richlea lentils, No. 1 (c/lb)	48.00	46.00	48.00
Eston lentils, No. 1 (c/lb)	43.50	43.00	43.00
Eston lentils, Xtra 3 (c/lb)	35.00	35.00	35.00
Sm. Red lentils, No. 2 (c/lb)	33.00	33.00	30.00
Sm. Red lentils, Xtra 3 (c/lb)	27.00	27.00	26.00
Peas, green No. 1 (\$/bu)	8.00	7.75	7.50
Peas, large, yellow No. 1 (\$/bu)	7.50	7.50	7.25
Peas, sm. yellow No. 2 (\$/bu)	7.50	7.50	7.25
Feed peas (\$/bu)	6.35	6.35	6.35
Maple peas (\$/bu)	12.50	12.00	11.50
Mustard, yellow, No. 1 (c/lb)	29.00	29.00	29.00
Mustard, Oriental, No. 1 (c/lb)	31.00	31.00	26.00
Mustard, Brown, No. 1 (c/lb)	29.00	29.00	30.25
Canaryseed (c/lb)	22.00	22.00	23.00
Desi chickpeas (c/lb)	31.00	31.00	31.00
Kabuli, 8mm, No. 1 (\$/mt)	1,190.50	1,168.40	1,168.40
Kabuli, 7mm, No. 1 (\$/mt)	925.90	903.90	859.80
B-90 ckpeas, No. 1 (\$/mt)	970.00	948.00	903.90

Cash Prices

	Oct 19	Oct 12	Year Ago
No. 3 Oats Saskatoon (\$/tonne)	154.66	143.16	145.59
Sfnlwr NuSun Enderlin ND (c/lb)	16.15	16.60	16.55

U.S. Grain Cash Prices (\$/bu.)

USDA	Oct 21
No. 1 DNS (14%) Montana elevator	4.64
No. 1 DNS (13%) Montana elevator	4.20
No. 1 Durum (13%) Montana elevator	5.98
No. 1 Malt barley Montana elevator	3.36
No. 2 Feed barley Montana elevator	2.04

Grain Futures

	Oct 24	Oct 17	Trend	Year ago
Wpg ICE Canola (\$/tonne)				
Nov	508.10	496.10	+12.00	466.00
Jan	514.10	503.30	+10.80	474.70
Mar	519.20	506.10	+13.10	480.10
May	520.90	508.90	+12.00	481.60
Wpg ICE Milling Wheat (\$/tonne)				
Dec	236.00	232.00	+4.00	235.00
Mar	242.00	238.00	+4.00	

ON THE RUN

A mule deer runs past a pair of grey partridges in a stubble field east of High River, Alta. | MIKE STURK PHOTO



THE WESTERN PRODUCER

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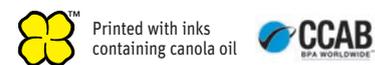
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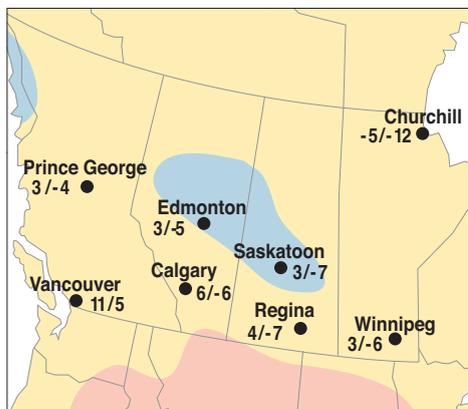
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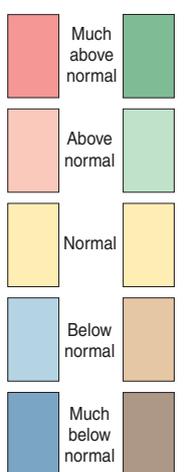
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TEMPERATURE FORECAST

Oct. 27 - Nov. 2 (in °C)

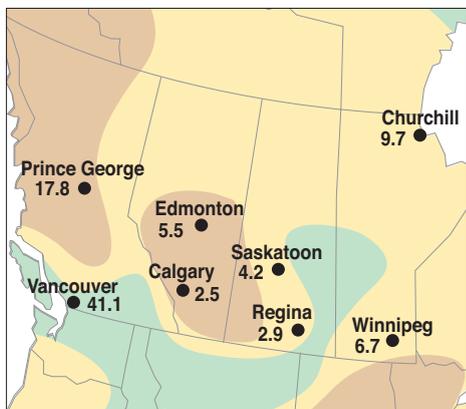


TEMP. MAP



PRECIPITATION FORECAST

Oct. 27 - Nov. 2 (in mm)



The numbers on the above maps are average temperature and precipitation figures for the forecast week, based on historical data from 1971-2000. Maps provided by WeatherTec Services: www.weatherotec.mb.ca n/a = not available; tr = trace; 1 inch = 25.4 millimetres (mm)

LAST WEEK'S WEATHER SUMMARY ENDING OCT. 23

SASKATCHEWAN

	Temperature last week		Precipitation since April 1		
	High	Low	mm	mm	%
Assiniboia	14.1	-2.7	15.0	426.6	148
Broadview	14.0	-4.7	16.3	382.2	113
Eastend	13.2	-3.3	12.8	409.5	143
Estevan	15.8	-1.5	0.8	493.8	151
Kindersley	12.5	-3.0	0.3	554.7	215
Maple Creek	15.4	-5.5	0.2	447.5	164
Meadow Lake	7.2	-15.9	1.8	297.1	94
Melfort	7.6	-6.2	0.2	395.1	125
Nipawin	8.1	-5.3	2.0	450.3	133
North Battleford	9.3	-4.7	2.4	285.5	97
Prince Albert	8.4	-6.2	0.7	385.2	116
Regina	14.5	-5.2	20.4	399.9	132
Rockglen	14.9	-1.4	13.5	475.7	172
Saskatoon	12.4	-3.8	0.5	287.8	99
Swift Current	11.6	-3.7	0.9	502.0	178
Val Marie	16.3	-7.2	5.3	504.0	202
Yorkton	12.3	-2.8	3.8	495.0	141
Wynyard	11.2	-3.7	1.3	483.8	147

ALBERTA

	Temperature last week		Precipitation since April 1		
	High	Low	mm	mm	%
Brooks	15.2	-7.8	0.0	324.3	129
Calgary	13.9	-5.1	0.4	374.0	108
Cold Lake	8.4	-5.1	1.2	392.3	122
Coronation	12.3	-6.0	0.0	392.3	136
Edmonton	12.2	-8.1	0.6	405.6	112
Grande Prairie	9.2	-10.1	2.7	522.1	166
High Level	5.1	-5.3	8.1	320.3	116
Lethbridge	15.8	-5.5	1.4	254.0	90
Lloydminster	9.0	-4.0	0.2	447.9	144
Medicine Hat	16.5	-5.0	0.0	389.4	159
Milk River	17.5	-6.2	0.0	288.2	96
Peace River	7.3	-10.1	1.0	441.6	152
Pincher Creek	13.9	-5.4	1.4	373.5	100
Red Deer	12.1	-7.3	0.0	389.3	98
Stavely	13.9	-3.4	0.0	430.0	128
Vegreville	11.0	-5.6	0.0	397.1	128

All data provided by Agriculture and Agri-Food Canada's National Agroclimate Information Service: www.agr.gc.ca/drought. Data has undergone only preliminary quality checking. Maps provided by WeatherTec Services Inc.: www.weatherotec.mb.ca

MANITOBA

	Temperature last week		Precipitation since April 1		
	High	Low	mm	mm	%
Brandon	15.3	-4.3	8.3	525.9	147
Dauphin	11.2	-1.4	5.9	533.9	146
Gimli	13.5	-2.1	1.8	370.3	94
Melita	16.7	-3.4	5.5	452.2	138
Morden	16.3	-0.4	3.9	534.3	135
Portage La Prairie	16.0	-0.3	19.0	484.6	126
Swan River	12.1	-2.6	8.6	425.2	110
Winnipeg	14.6	-3.8	19.3	437.0	108

BRITISH COLUMBIA

	Temperature last week		Precipitation since April 1		
	High	Low	mm	mm	%
Cranbrook	11.5	-2.1	22.0	284.3	112
Fort St. John	7.9	-6.1	3.2	458.2	147
Kamloops	18.6	0.9	0.8	199.8	106
Kelowna	14.4	-0.2	19.3	201.3	90
Prince George	10.0	-2.5	7.5	404.8	115

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BrettYoung: Shaking Up the Canola Market

Introducing 6074 RR, the only canola with yields to challenge InVigor®.

Over the past two years, 6074 RR has been the highest-yielding Roundup Ready (RR) canola in the Canola Performance Trial and has the agronomic traits to make it one of the best performing hybrids no matter whether Liberty Link® or Roundup Ready traits. "6074 RR has very high yield potential. Three years ago, our breeders visually saw this in our research trials; they just pointed it out every trial. I said the next big one has been exciting and to have that variety to the marketplace," Kevin McCallum, Manager of DL Seeds, Morden, Manitoba.

DL Seeds was formed in 2008 as a joint breeding venture between DSV and NPZ, leading European breeding companies with a long history in plant breeding. DL is BrettYoung's breeding partner and source of 6074 RR.

6074 RR is produced as the outstanding variety in the Genuity® Roundup Ready Canola.

combine wide adaptation, unsurpassed yield, Blackleg resistance (R) and improved tolerance (IT) to Sclerotinia in a single package.

"6074 RR is a hybrid that combines good disease resistance, yield, and agronomic traits. It has a good yield potential and is a very good performer in our research trials. It has been exciting and to have that variety to the marketplace," Kevin McCallum, Manager of DL Seeds, Morden, Manitoba.

harvestability and great yields like we haven't seen before," says Rene Mabon, Agronomic and Regulatory Services Manager with BrettYoung in Winnipeg, Manitoba.

"6074 RR is a hybrid that combines good disease resistance, yield, and agronomic traits. It has a good yield potential and is a very good performer in our research trials. It has been exciting and to have that variety to the marketplace," Kevin McCallum, Manager of DL Seeds, Morden, Manitoba.

The InVigor Challenge Trials.

In addition to leading the market in performance, 6074 RR is a very good performer in our research trials. It has been exciting and to have that variety to the marketplace," Kevin McCallum, Manager of DL Seeds, Morden, Manitoba.

in BrettYoung Comparison Trials (BCTs) for canola. These sites represent BrettYoung's commitment to leading the market in performance, yield, and agronomic traits.

"6074 RR is a hybrid that combines good disease resistance, yield, and agronomic traits. It has a good yield potential and is a very good performer in our research trials. It has been exciting and to have that variety to the marketplace," Kevin McCallum, Manager of DL Seeds, Morden, Manitoba.



6074 RR — Now with DefendR™ Sclerotinia-tolerance trait.

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InVigor®

I will be a trailblazer by recognizing opportunity and embracing the future. I will meet challenges head-on, adapt and overcome. I will continually challenge the status quo and place my trust where it is deserved.



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I WILL TAKE PRIDE.

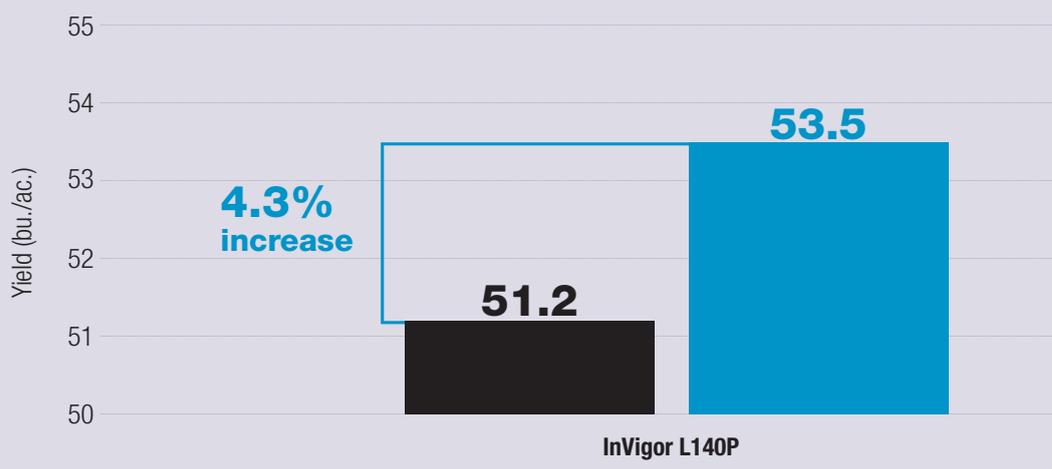
STRAIGHT CUT YOUR WORKLOAD

In Demonstration Strip Trials (DSTs) for the past three years, InVigor® L140P, using the same agronomic practices, has shown a 4.3%* yield increase when straight cut over normal swath timing.

To see how InVigor L140P performed, check out yield results at InVigorResults.ca

Harvest Management DST Yield Summary

■ Normal Swath ■ Straight Cut



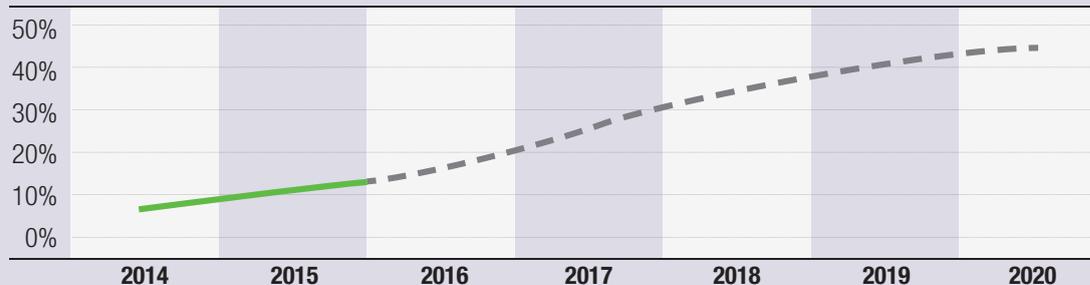
* Source: 64 Bayer DSTs (2013–2015). Results may vary on your farm due to environmental factors and preferred management practices.

MAKING THE CUT

Big changes are coming to the way growers approach their canola harvest. Bayer is predicting that by 2020, as much as 40% to 50% of canola in Western Canada will be straight cut.

Percentage of Market Straight Cutting

■ Actual* ■ Bayer Forecast



Source: Bayer straight cutting canola forecast prediction. * Stratus Market Research

The game-changing pod shatter reduction technology of InVigor L140P and NEW InVigor L233P offers growers excellent yield protection from adverse conditions at harvest and the ability to straight cut canola. Stronger pod seams and stems firmly adhere to the plant longer and enable seeds to more fully mature safely within the pod until harvested.

A FIT FOR EVERY FARM

InVigor hybrids can address the specific growing challenges of any field across a broad spectrum of growing conditions. The InVigor offering is designed to provide you with more options to mitigate the environmental challenges that Western Canadian growers face.

Maturity



Average maturity in days versus the average maturity in days of InVigor 5440 from the Bayer internal trials.

Lodging Resistance

