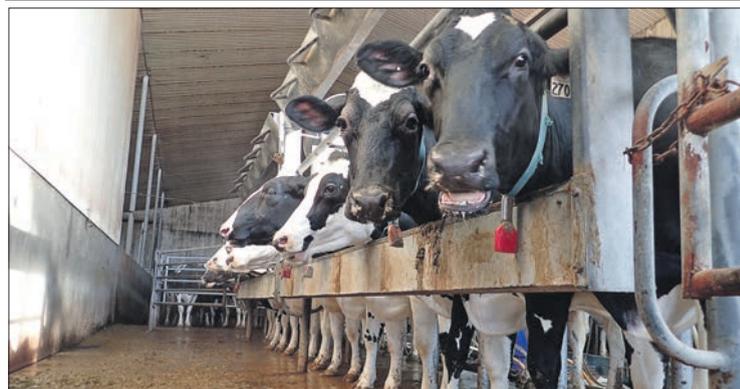


# THE WESTERN PRODUCER

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MICHELLE HOULDEN ILLUSTRATION

## Three million & climbing

Prairie farmers appear to be getting a good start on their efforts to meet Soy Canada's ambitious soybean targets. Statistics Canada's first seeding intention survey of the year has found that farmers plan to grow almost three million acres of the crop in 2017.

BY SEAN PRATT  
SASKATOON NEWSROOM

**C**ANADIAN FARMERS will be growing 10 million acres of soybeans by 2027 if Soy Canada has its way.

The industry association has established a series of targets, including doubling production to 13 million tonnes.

"We think these are aggressive targets but achievable," said executive director Jim Everson.

"We want to set out some goals that motivate the industry."

Average yield is forecast to increase to 48.2 bushels per acre from 44.1, but most of the production increase is expected to come from expanded acreage, and most of that will occur in Western Canada.

The association is forecasting six million acres in the West, up from 1.9 million in 2016 and four million acres in the east, up from 3.6 million.

Francois Labelle, executive director of Manitoba Pulse and Soybean Growers, said the western Canadian acreage goal is attainable.

"There's a potential to see a jump of a million acres this year," he said.

Soybeans delivered "tremendous yields" under wet conditions last year and solid economic returns.

"A lot of growers are interested in looking at soybeans and are trying them and sometimes are trying them in a big way," said Labelle.

SEE THREE MILLION, PAGE 4 >>

RENEWABLE ENERGY

## Irrigator plans to run pivots with solar

BY BARB GLEN  
LETHBRIDGE BUREAU

GRASSY LAKE, Alta. — Alberta's first solar-operated irrigation pivot will start making its rounds this spring as soon as water starts flowing in canals.

The 136.4 kilowatt solar array was installed at Merlinds Farms Ltd., operated by brothers Cory and Lindsay Nelson, in November, so they have yet to see how it functions in terms of electrical production in the growing season.

However, until the pivots begin to irrigate some of the 12 crops grown at Merlinds Farms, the solar panels are having a welcome effect on electrical bills.

SEE SOLAR FARMING, PAGE 5 >>



CORY NELSON  
ALBERTA FARMER



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**Polled Texas Longhorns:** A 15-year effort to find low birth weight bulls resulted in this unique herd. See page 22. | KAREN BRIERE PHOTO

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## CORRECTIONS

The mug shot on page 16 of the April 13 was of Stewart Stone, outgoing president of Canadian Western Agribition.  
 One of the stories featured on page 2 of the April 20 issue was not a profile of the Preston family but a story about a sheep shearing clinic in which they participated.  
 A story on page 60 of the April 13 issue should have said accreditation can be applied for from American Humane Certified.

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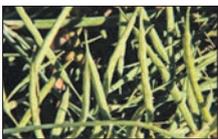
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# WHAT'S HAPPENING @ PRODUCER.COM

## FEATURES



**CANOLA POLL**  
Viterra president Kyle Jeworski says he "thinks canola can stay king, but it's going to be challenging." What do you think?



**#PLANT17 POLL**  
Canola swaths were still under snow April 20 in Alberta's Peace district. How is #plant17 shaping up for you?



**SOYBEAN POLL**  
Prairie farmers appear to be getting a good start on their efforts to meet Soy Canada's ambitious soybean targets. Could soybeans one day take "king canola's" crown?

## VIDEOS

**HORSE RESCUE**  
Seven rodeo horses have been rescued after falling through thin ice near Hythe, Alta.



**MARKETS WRAP**  
WP Markets editor D'Arce McMillan looks at the week's top developments in crop markets.



▶ **PLUS:** Check out our "Cattle Call" special section, this week featuring "grazing & feed."

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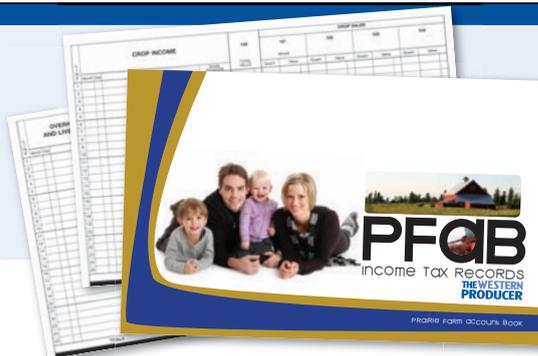


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## SEEDING OUTLOOK

# Spring snow plagues farmers in northern Alta.

Recent snow in some areas has added to the problem of getting unharvested crops off before seeding

BY BARB GLEN  
LETHBRIDGE BUREAU

April showers bring May flowers but April snow brought doldrums to farmers in northern Alberta and the Alberta-British Columbia Peace region.

Many fields were saturated last autumn so the snow and cold this spring have not been conducive to harvesting the remainder of the 2016 crop or the start of seeding.

"It's as wet as we've seen for a long, long, long, time, which is fine,

but the forecast isn't really in our favour for at least another week and even then it's highs of 10 or 12 and plus one at night. Not exactly optimal," said South Peace Grain Cleaning Co-op general manager Shaun Grant April 19.

He said farmers around Dawson Creek, B.C., are still pondering their seeding plans, and soggy conditions have affected the seed cleaning business because of that uncertainty and because of road bans.

"Guys just don't think they know



Canola swaths were still under snow April 20 in Alberta's Peace district, which reflects the challenges facing many farmers in the region this spring as they struggle to harvest last year's crop and get this year's crop in the ground on time. | RANDY VANDERVEEN PHOTO

what they want to do and they're still kind of reeling from the \$4 feed wheat market," said Grant.

"All the wheat up here was feed, just like it was in most places, so trying to dig your way out of that... and take whatever losses that were accrued on \$4 wheat, nobody makes money on \$4 wheat."

Grant predicts a major drop in wheat acres in the region this year but if fields don't dry up soon, peas, barley and oats will be the primary options, even though prices for those crops aren't particularly attractive.

In the Manning region north of Peace River, Alta., nobody had turned a wheel as of last week on either the combine or the seeder.

"Everybody is waiting. People have their combines ready to go, but no go yet," said North Peace Applied Research Association manager Nora Paulovich.

"I haven't talked to many of the guys that have crop out but I'm thinking their plan is going to be, once it dries, they might just concentrate on seeding what they can and then go and get the combine.

"It's a small window there if you're going to seed your canola and wheat in a timely manner."

Ralph Wright, Alberta Agriculture's manager of agro-meteorology, reported that 20 to 60 milli-

metres of snow fell on Easter weekend over a large part of the province north of Wetaskiwin, extending into the Peace region.

The Municipal District of Bonnyville got 50 millimetres, while Swan Hills and the western Peace got more than 60 mm.

**74,000**  
ACRES STILL NEED  
TO BE COMBINED  
AROUND  
FAIRVIEW, ALTA.

Snow in April is not unusual for the area. Historically, there is snow north of Red Deer on April 18 more than half the time, according to Wright's statistics.

However, recent years of early start dates for seeding have made farmers more anxious to get going and less patient with Mother Nature, said Alberta Agriculture crop specialist Harry Brook.

"It's early yet," he said. "Part of the problem is that because last year was such an aberration, it was so out in left field, people got seeding early and we actually didn't have a lot of killing frost late.

"People are thinking last year was average. Well no, last year was a real outlier. Most of our seeding gets done in May and that won't change, I don't think."

Seeding is one thing, but finishing the harvest of the 2016 crop is another.

In the Fairview area, there are about 74,000 acres left to combine. According to crop insurance figures, there are 212,000 acres of insured crop in the Spirit River, Grimshaw, Grande Prairie and Falher areas that remain to be harvested.

For those farmers, financing this year's crop on top of losses from last year will be a worry, said Brook.

In Dawson Creek, Grant said farmers are more worried about excess moisture than unharvested crops. Some of the latter acres have already been burned, although they are still hoping to salvage some canola.

"The basic theme is the ground is completely saturated and the weather is not co-operating, so there's going to be significant delay whether you're trying to seed or combine," said Grant.

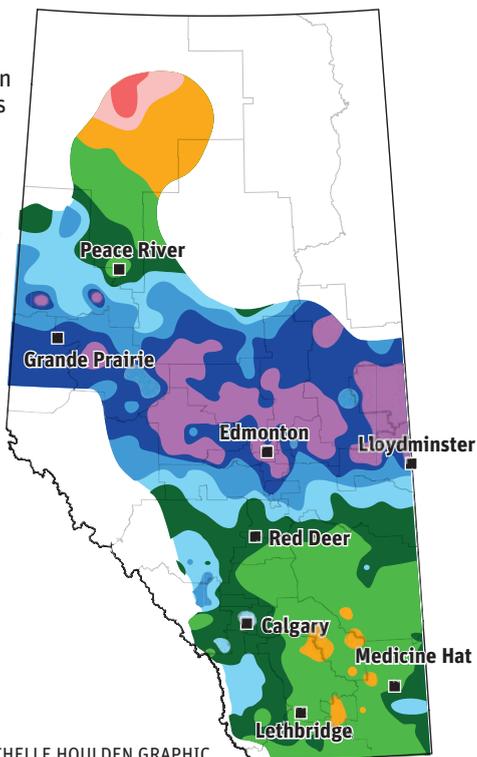
"The next six weeks will be interesting."

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FOR A RELATED STORY, SEE PAGE 4

## ALBERTA'S SOGGY SPRING

This map shows moisture conditions from March 29 to April 10 using the standardized precipitation index (SPI). The SPI helps analyze the severity of drought or flooding for any rainfall station with historic data. Alberta's SPI map shows extremely high precipitation throughout most of northern Alberta compared to historical averages.



Source: Alberta Agriculture | MICHELLE HOULDEN GRAPHIC

## SEEDING OUTLOOK

# Waterlogged soil puts seeding in jeopardy in parts of Manitoba

BY ROBERT ARNASON  
BRANDON BUREAU

Farmers in certain areas of southern Manitoba need four to five weeks of ideal weather or they won't be planting a crop this spring.

The spring weather in late April has been far from ideal with successive storms dumping wet snow on parts of Manitoba from April 22-24. On top of that, temperatures for the final week of April were expected to hit daily highs of 3 to 5 C.

Bill Campbell, who produces crops and raises Limousin cattle near Minto, Man., said fields remain extremely wet in his area.

Getting a crop in the ground around Minto will require a best case scenario.

"In a nutshell, we're two weeks from being on the land, we need

two weeks to prepare the land and we need two weeks to sow the land. So, we're looking at a very optimistic completion date of the 4th of June. Any weather that is detrimental to that (schedule) puts us in jeopardy of not being able to seed a crop," Campbell said at an April 20 Keystone Agricultural Producers meeting in Portage la Prairie.

"If the forecast for the next 10 days (late April-early May) is correct, there will be acres unseeded in our particular area."

Fields in many parts of southwestern Manitoba remain wet because fall rain saturated soil before freeze-up. Then, an early March blizzard brought 25 to 40 centimetres of snow to the western half of the province.

David Rourke, who also farms near Minto, has lived through wet

springs and he's trying to remain hopeful.

"The weather could change and it... could be seeding as usual, but we're so saturated right now, a couple of untimely rains and we might not get it in."

Campbell and Rourke said it's hard to estimate how many acres are in jeopardy in southwestern Manitoba.

However, there are pockets, especially regions with flat terrain, that have waterlogged soil, snow still in the bush and ponds of water on the field.

"I think it is smaller areas... where topography and historical rainfall last year are more of significance," Campbell said.

The situation is less severe north and northwest of Brandon. Rolling land is more prevalent, and water ponding on fields isn't an issue.

"We didn't have a lot of creek flooding or overland flooding," said Justin Jenner, who farms near Minnedosa, Man.

**We've got ruts that are 18 inches deep that we have to deal with ... (and) we still have crop that is unharvested. I don't know how we're going to deal with that.**

BILL CAMPBELL  
MINTO, MAN., PRODUCER

"We were drying up pretty good, except for the bushes."

Neil Galbraith, who farms northwest of Minnedosa, said at the KAP

meeting before the snowstorms that seeding will likely begin in early to mid-May in his region.

"We went into freeze-up the wettest we've ever been. Having said that, things are looking better than I thought they would," he said.

"If we don't get a lot of rain, things could play out OK."

Unfortunately, Campbell has more than just rain to worry about. He wasn't able to work the land following harvest because of frequent and heavy downpours last fall.

He needs to wait for fields to dry up and then prepare the land for seeding.

"We've got ruts that are 18 inches deep that we have to deal with ... (and) we still have crop that is unharvested. I don't know how we're going to deal with that."

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## THREE MILLION

» CONTINUED FROM PAGE 1

He said the crop has taken off faster than corn in Western Canada because soybeans are easier to grow and farmers can use their existing equipment rather than investing in new seeders and grain handling infrastructure.

In Manitoba, soybeans have displaced canola in the Red River Valley and wheat on the western side of the province. Breeders are producing shorter season soybean varieties that are allowing the crop to migrate west into Saskatchewan.

Labelle said the challenge will be to grow the acres sustainably without introducing yield-robbing agronomic headaches such as root rot and the soybean cyst nematode.

Everson said the exponential growth in acreage and production is expected to attract investment in a new crush facility. He believes it will be built in Western Canada.

Manitoba Pulse and Soybean Growers commissioned a study that shows it would be feasible to build and operate a crush facility in that province.

Labelle believes it's just a matter of time. He thinks companies are waiting for a sustained critical mass of acres and production before investing because it will likely be an expensive, large-scale facility.

"From what I understand, the margins are tight in that industry all the time, so people want to build a larger plant," he said.

He acknowledged that one consideration for any company planning to build a plant is that soybeans grown in Western Canada have slightly lower protein levels than those produced in the United States because of the shorter growing season and cooler weather.

"That being said, it is a priority of the soybean industry to work with the plant breeders to improve the protein," said Labelle.

Soy Canada has set an average protein content target of 40.2 percent for Western Canada in 2027, up from 38.7 percent in 2016.

The association is forecasting 2.5 million tonnes of crush capacity by 2027, up from 1.89 million tonnes in 2016.

That compares to a forecast of 10.5 million tonnes of whole seed exports, up from 4.5 million tonnes last year.

In that way it is a different model of growth than the canola sector, which is forecasting more domestic crush than exports by 2025.

Everson said another goal of the industry is to expand production of high-quality, food-grade soybeans destined for markets like Japan, Malaysia, Singapore and Taiwan.

It would like to see 1.8 million tonnes of food-grade soybeans produced by 2027, up from 1.25 million tonnes in 2016.

"Those soybeans attract a higher value on the market because of the segregation and cleaning and quality of the product," he said.

Companies have invested heavily in identity preservation systems for food grade soybeans in Eastern Canada.

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FOR A RELATED STORY, SEE PAGE 6 »

What's your take? Join us at [www.producer.com](http://www.producer.com) or follow us on social media.



## PICKING UP SOME CHICKS

Piet Jan van Iperen picks up a batch of broiler chicks that were delivered to the post office at Lacombe, Alta., from the Rochester Hatchery in Westlock, Alta. Canada Post employees said on average they receive one to two orders of chicks per day each spring, sometimes beginning in February. The chirping chicks received much attention and were the topic of numerous conversations before heading to their new home. |

MARIA JOHNSON PHOTO



## DID YOU KNOW ...

- Chickens descend from a species of pheasant native to Asia called the red junglefowl.
- There are about 25 billion chickens, more than any other bird species on Earth.
- The chicken was the first bird to have its genome (genetic blueprints) sequenced in 2004.
- Chickens are omnivores, and will eat plants, seeds, insects and even larger animals such as small mice or lizards.

Source: smithsonianmag.com

## CROP INSURANCE

## Farmers seek insurance promise

Inspection needed before using crops for some other purpose, says AFCC

BY BARB GLEN  
LETHBRIDGE BUREAU

Commissions for Alberta's major crops are pressing the provincial agriculture department and the Agriculture Financial Services Corp. to ensure farmers are covered for the many acres of unharvested 2016 crop.

The Alberta Wheat Commission, Alberta Barley, Alberta Canola Producers Commission and Alberta Pulse Growers Commission scheduled a meeting with the agriculture minister and AFSC April 26 to discuss the issue.

One million acres are left to harvest in the province, most of them north of Highway 16. Snowfall on Easter weekend and snow in this week's forecast are keeping farmers from harvesting last year's crop or seeding this one.

"We're hearing too many tales, and they just might be tales, but a lot of farmers are calling us saying



Snow is keeping Alberta farmers from harvesting last year's crop or seeding this one. | FILE PHOTO

they are very concerned that they're going to be standing there waiting for an agent," said Alberta Canola Producers Commission general manager Ward Toma.

"They don't want to be outside their contract and somehow lose coverage by doing something they shouldn't have. We have been hearing a lot of reports from farmers that they're unsure of what AFSC's procedures on some of these things are."

Mustafa Eric, media co-ordinator for AFSC, said no adjuster needs to visit if farmers intend to harvest their 2016 crops for the purpose insured.

However, a crop inspection is necessary if they put it to another use, such as livestock feed or burning simply to remove it from fields.

Eric said the same weather conditions affecting farmers are a challenge for AFSC.

"Precipitation is making it difficult for us to inspect the crop," he said. "It is not easy to inspect the crop still under snow. Our inspectors are doing their best to cope with the demand."

Toma said there have been no reports of anyone being denied coverage.

The commissions, in a joint

release under the Team Alberta banner, said they want to ensure that farmers meet AFSC requirements so they can get moving as quickly as possible when weather does allow field access.

"In many areas, destroying last year's crop is the only solution that ensures farmers can seed this year's crop early enough to avoid fall frost damage," said Alberta Wheat Commission chair Kevin Auch in a Team Alberta news release.

Added Alberta Barley chair Jason Lenz: "If harvesting simply isn't an option because of timing and wet conditions, the procedures around crop insurance payouts will need to be adjusted so farmers' crops aren't compromised two years in a row."

On its website, AFSC advises that producers who can't seed the 2017 crop are entitled to the unseeded acreage benefit as part of their annual production insurance.

To qualify, they must have an active 2017 crop insurance contract and unseeded acres because of excess moisture as of June 20. Also, the number of acres they intend to seed must be declared by April 30.

barb.glen@producer.com

## SUPPLY MANAGEMENT

# Dairy producers respond to Trump's attack on industry

BY KAREN BRIERE  
& BARBARA DUCKWORTH  
REGINA, CALGARY BUREAUS

Canadian dairy farmers say they won't be cowed by criticism from other countries — or other Canadians — about their supply managed system.

However, they are getting weary of being under attack.

"It would be nice to not be the centre of attention," said Dairy Farmers of Manitoba chair David Wiens.

The system set up in the 1970s to manage the supply of domestic milk, eggs and poultry has long had its critics. Countries such as New Zealand, Australia and the United States haven't been shy about their anti-supply management opinion, particularly during trade talks.

At home, federal Conservative leadership hopeful Maxime Bernier made the end of the system one of his first policy priorities when he launched his campaign a year ago. Former Liberal leadership candidate Martha Hall Findlay has also said it should go.

However, the attack by U.S. President Donald Trump during a recent visit to Wisconsin heightened the rhetoric from all sides. While announcing a new Buy American policy, he said the North American Free Trade Agreement was a "disaster" and Canada's dairy system "very unfair."

"It's another typical one-sided deal against the United States, and it's not going to be happening for long," he said.

That prompted David MacNaughton, Canada's ambassador to the United States, to issue a letter pointing out that Canadian dairy farmers and policies aren't causing the problems that American dairy farmers are currently facing.

"The facts do not bear this out," said the letter.

MacNaughton pointed to a U.S. Department of Agriculture report that said the financial woes are a result of overproduction in the U.S. and globally.

As well, he said the U.S. dairy industry is clearly more protectionist.

"Canada imports 6.3 percent of its

cheese, 10 percent of its butter and 10 percent of its milk powders, while the U.S. imports three percent of its cheese, three percent of its butter and eight percent of milk powders," he wrote.

Prime Minister Justin Trudeau, when asked about the situation during a Bloomberg News interview, said the U.S. has a \$400 million dairy surplus with Canada, and he repeated the government's support for the sector.

"Let's not pretend we're in a global free market when it comes to agriculture," he said.

Dairy Farmers of Canada spokesperson Isabelle Bouchard said producers are confident that the government will defend and protect the industry.

She said there is no formal NAFTA negotiation underway and that the Americans are using "alternative facts."

"Let's keep calm," she said.

"The way Canada is responding to the U.S. on this is excellent. We might be small and we might be very polite, but we're going to stand

firm on our ground."

That's the plan for Wiens and his prairie counterparts Melvin Foth at SaskMilk and Tom Kootstra at Alberta Milk.

They all say that critics are either misinformed or missing facts.

"We're not overly worried," Foth said, but added there is concern anytime anyone starts to spread misinformation about how the system works.

Fluid milk is more expensive in New Zealand, he pointed out.

Trump and others have said a new milk class for components introduced in Canada has cost U.S. producers tens of millions of dollars.

In a statement, Kootstra pointed out that Canadian processors are buying Canadian ingredients at a more competitive price because the industry adapted to its changing market.

A policy note released by Agri-Food Economic Research Systems late last week said there is no evidence that changes in Canada's domestic policy had affected U.S. producers.

In fact, said research lead Al Mussell, the value of U.S. dairy exports to Canada is increasing.

"The data show no dramatic change in the value of U.S. exports to Canada of milk protein isolates and diafiltered milk," said Doug Hedley, who co-wrote the policy note.

"The U.S. has open access to the Canadian market in these products. There are no tariffs or volume restrictions applied on U.S. exports of milk protein isolates/diafiltered milk to Canada. It is a matter of U.S. competition with Canadian product in the Canadian market."

At the Stampede Dairy Classic in Calgary, Holstein Canada president Orville Schmidt said people have to educate themselves about what supply management really means. It's not about price, but supply, he said.

"People have to realize it is cheaper than water, cheaper than pop, cheaper than beer," he said.

He added that dairy is likely only the first target of U.S. criticism among the supply managed commodities.

## SOLAR FARMING

» CONTINUED FROM PAGE 1

"Actually, I've got a credit on my bill," said Cory Nelson.

"That's kind of neat. It's interesting to see a little bracket beside the number."

As far as he knows, the two ground-mounted systems — one producing 44.6 kilowatts and the other 91.8 — are the first solar operated pivots in Alberta, but Nelson said he doubts they will be the last.

"I think this is the right location for them."

"You're going to see quite a few of them up," he said. "Through Lethbridge, Medicine Hat and north a little ways to past Brooks, we are just in a really good location to capture the power of the sun."

Nelson said he and his brother considered the solar option carefully, given that there is an estimated 15-year payback on the investment.

However, the array also has an expected lifespan of 35 to 40 years.

"We thought it would be interesting to be kind of right at the start of it. The program looked like the payback was reasonable enough."

They used the provincial Climate Change and Emissions Management Corp. program offered by the previous government with Enmax as the provider. It will cover about 25 percent of the cost. Even so, it wasn't cheap, said Nelson.

"The price of power has been low recently because I think overall the energy industry is struggling, but long term I would say that the trend is that we're going to see the price of power, over time, go up."

"When you produce your own, for this site, you don't have to worry about the price, really. The part that I have to worry about is the transmission and distribution charges."

The latter charges are about eight cents per kilowatt hour, he said, "so that's a fairly significant portion of your bill."

The system is net zero, meaning it is set up to produce as much electrical power as the farm operation



The solar array installed on Merlinds Farms near Grassy Lake, Alta., will power irrigation pivots this summer. | BARB GLEN PHOTO

needs annually with about 10 percent extra capacity built in as a contingency.

Merlinds Farms has each of the two arrays running section-wide pivots, one using a 125 horsepower pump and the other a 75 h.p. pump.

"I get a few people phoning and asking if it's a good investment," said Nelson. "We don't know for sure, but when we put our numbers down ... 15 years seems like a long time for break-even, but time goes by pretty quick."

He said Enmax has been a co-operative partner in the project. It has a lease and financing program that Nelson described as inexpensive over the long term.

Solar Optix, a Lethbridge company, installed the system, which has a 15-year parts and labour warranty.

The panels are hail resistant and

have sturdy mounts. Though there are solar array options that allow the panels to move with the sun, those are more expensive and have moving parts, so the Nelsons opted for the stable array.

"That's one of the other reasons why we were comfortable with it," said Nelson.

He can monitor the electrical output on his cellphone using a program that can provide data by day or month. It also gives information on carbon emissions saved or cost savings measured in terms of light bulbs.

Nelson called that information "tree hugger stuff," and admitted he takes some ribbing from his friends about becoming a green energy convert.

"We don't view it from a global warming standpoint. We view it based on the economics of it. Does it have a payback? Is it a good in-

vestment? That's how we view it."

Solar Optix hired staff for the installation so it has generated employment in the region. Nelson said he is pleased about that, given the loss of Alberta jobs in recent years because of the slump in oil and gas activity.

Cory and Lindsay's father, Merle, died in March but not before welcoming the venture into solar power.

"When we put this in, Dad was 85 years old. He thought it was quite interesting that we were doing something that was relatively new. He always supports that. He likes it any time we try something new," Nelson said.

"It doesn't always work out, but you try to make your best decision based on the data you have and this looked like a pretty good investment. We'll have a better idea this time next year."

"I'm kind of curious to see, on a real nice day in July, whether it will produce all the power that I need on that particular day."

Weather statistics show that Medicine Hat, which is 85 kilometres east of the farm, receives an average 2,544 hours of annual sunshine and 330 sunny days and is among the sunniest places in Canada. Lethbridge, 85 km to the west, is a close second at 2,507 hours, but it gets 333 sunny days on average.

Southern Alberta's many hours of sunlight are a boon to solar production, and other agricultural operations are using it for things such as hog and poultry barns.

Several rural municipalities have also installed solar systems to take advantage of provincial grants.

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# MARKETS



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## SEEDING INTENTIONS

# Less lentils, more flax: farmer survey

Flax acres are forecast to rise 19 percent, while a 25 percent drop in lentil acres surprised many analysts

BY SEAN PRATT  
SASKATOON NEWSROOM

Canadian pulse crop seeding intentions for 2017 are down more than analysts expected but in line with what the trade was thinking.

According to Statistics Canada's March survey of 11,600 farmers, growers plan to seed 4.39 million acres of lentils, down 25 percent from last year, and 3.99 million acres of peas, a six percent reduction.

Jon Driedger, senior market analyst with FarmLink Marketing Solutions, said the lentil number surprised analysts. The average pre-report estimate was 5.1 million acres, down from 5.86 million last year.

"That was a bigger drop than just about anyone was expecting," he said.

Colin Topham, managing director of Agrocorp International, said the lentil number was very much in line with trade expectations.

"There is no question that after being on a long run of supply growth you've got to take a breather," he said. "A lot of guys pushed their rotations last year."

Topham said lentils have been hard to move because of quality problems and stiff competition from other exporters such as Australia, so an adjustment was necessary.

There was no breakdown by class, but Stat Publishing said the numbers suggest 3.21 million acres of reds and 1.14 million of greens.

Stat expects a 1.2 million acre drop in reds, a 232,000 acre decline in large greens and a 38,000 acre reduction in small greens.

Topham disagreed with the large green estimate. He thinks those acres will be retained because of good returns.

Driedger believes one of the reasons the lentil number was so low is that the survey was conducted in the last half of March when the pulse industry was still under threat of los-



Page Ranches near Cheadle, Alta., takes advantage of the only day of co-operative weather to get barley in the ground early. | KEVIN LINK PHOTO

ing access to the Indian market over a non-tariff trade barrier.

"There was a bit of a cloud over the pulse sector during that time," he said. "Some of that stuff has been cleared up since then."



JOHN DRIEDGER  
FARM LINK MARKETING SOLUTIONS

That's why he believes lentil acres will be higher in subsequent reports.

Stat said there is a tendency most years for lentil acres to rise between the first and final estimates of the crop.

They have climbed an average of

16 percent over the last five years.

Stat believes lentil acres will once again be higher than the intentions estimate but not by 16 percent. The increase will be smaller than average because the crop is losing ground to soybeans in Saskatchewan due to root rot concerns.

Chuck Penner, analyst with Left-Field Commodity Research, said the guesswork with pulses was harder than usual this year.

"I knew it was a bit of a crapshoot, especially on lentils, because the price signals are saying one thing but last year's disease problems were saying the opposite," he said.

Penner said a large lentil carryover from last year and a return to average yields would offset the drop in acres. Stat Publishing expects 3.23 million tonnes of supplies, which is only three percent lower than 2016.

However, the supply of No. 2 or better lentils could still be constrained.

"The quality of that carryover is

pretty lousy," he said.

Penner believes pea supplies could be tight in 2017 if growers harvest an average crop compared to the second biggest yield on record last year.

Driedger has no problem with Statistics Canada's pea number. He expected a slight increase but is fine with the small decline.

"New crop pea prices are OK but not as sexy as they have been," he said.

Topham thinks the pea number is reasonable, despite being the second biggest crop on record.

"The demand situation with peas has been very robust and it looks to continue that way," he said.

Stat Publishing expects 3.45 million acres of yellows and 520,000 of greens. Topham thinks greens will be closer to 400,000 acres.

Chickpea plantings are expected to fall 13 percent to 140,000 acres. Beans will drop slightly to 260,000 acres. Driedger said they are both such small acre crops that he

doesn't put much faith in the Statistics Canada numbers because of the sample size.

"It really lends itself to big revisions going forward," he said.

Flax acres are forecast to rise 19 percent to 1.12 million acres. Penner thinks it could end up a little larger than that. He was surprised to see canaryseed climb four percent to 270,000 acres because prices have been dismal, but growers are looking for a cereal crop that won't be ravaged by fusarium.

Mustard plantings are forecast to plummet 26 percent to 390,000 acres. Penner thought it would have been even lower because of poor prices, while Driedger was surprised by the magnitude of the drop.

Sunflower seed is forecast to be down 29 percent to 50,000 acres. The small sample size argument is even more pronounced for this crop than chickpeas and beans.

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## QUALITY CHALLENGES

# Canadian lentil quality issue of contention with buyers

BY SEAN PRATT  
SASKATOON NEWSROOM

Canada's lentil industry is again facing customer complaints about the unpredictable quality of its shipments.

Stat Publishing reports that overseas buyers are unhappy with inconsistencies in Canada's green lentil exports.

"Some traders believe over half of the country's exports have been

subject to quality claims because of wide variation in the No. 2 grade fraction," stated Stat in an article published April 15.

"From their perspective, product that should be graded no higher than an Extra 3 Canada has been graded as No. 2."

Similar complaints were raised last year at the Global Pulse Convention in Turkey where buyers from Egypt and United Arab Emirates talked about the inconsistency

in Canadian shipments.

Colin Topham, president of the Canadian Special Crops Association, said 2016 was the third year of quality challenges with the lentil crop and that has led to increased customer complaints but not to the extent Stat is reporting.

"That seems very high to me," he said. "That is the first that I've ever heard of anything close to that."

Topham said the quality was variable, with lots of damage in west-

ern Saskatchewan and plenty of good crops in southern Alberta, so it depends on where the processing plants are located.

He said every processor is looking at their quality protocols to ensure they're doing everything possible to meet buyer expectations but sometimes they fall short.

"There's a lot of complaints this year over blended quality," he said.

"The general comment has been that quality has been over-blended

and the lack of uniformity has been challenging to process."

Stat said there is a lack of trust in the Canadian grading system, which provides a competitive advantage to other lentil exporters.

Stat said Canada is losing market share in places like Peru where buyers feel the U.S. delivers lentils with more consistent quality attributes.

CONTINUED ON NEXT PAGE >>

STATISTICS CANADA

# Canola, soybean acres surge in seeding estimates

The increase exceeded expectations but analysts concede they are the biggest profit makers

BY ED WHITE  
WINNIPEG BUREAU

Somewhere, somehow, farmers have found more than two million extra acres for the 2017 crop production season, according to Statistics Canada.

That will allow farmers to boost canola acres to a stunning 22.4 million, expand Manitoba soybean acres to 2.2 million and raise oat acres 20.6 percent to 3.4 million — all while allowing them to keep all-wheat acres stable at 23.2 million.

It's a puzzling situation for analysts because it doesn't seem like a year when all crops will be big moneymakers.

"You can understand people pushing to the max on canola and soybeans ... but I wouldn't think the present price structure of grains and oilseeds (would be) encouraging the most marginal land to be brought back into production," said Neil Townsend of FarmLink Marketing.

Total Canadian crop area, not including tame hay and summer-fallow, increased to 77.57 million acres, up from 75.53 million the year before.

Brian Voht of IntelliFarm said he was also surprised by the high total acreage.

"Are they breaking up pastures? Are they going corner to corner? Are they seeding sloughs?" Voht wondered an hour after the Statistics Canada March estimate of principal field crops acreage was

released April 21.

The surge in canola and soybean acres went well beyond most analysts' expectations, but the likely cause was well-accepted before the report: canola and soybeans generate the best profits for most farmers.

Townsend said FarmLink's internal numbers almost matched StatsCan's record 22.4 million acre estimate, as numerous clients said they planned to favour the crop. That is up almost 10 percent from last year.

"They're definitely responding to incentive," said Townsend.

"Those are probably the two that pencil out the best."

Brennan Turner of Farm Lead summed up the report this way: "Every durum and lentil acre that you lost appears to be going into flax, spring wheat, canola or oats."

Spring wheat acres surprised many analysts. Durum fell by one million acres, which was expected, but spring wheat area rose 1.26 million acres.

Spring wheat and durum crops had terrible disease problems last year, but while farmers fled from durum, there appears to be even more desire to grow spring wheat this year, especially in Alberta, where area is expected to grow by about 800,000 acres to 6.2 million.

Turner noted that while the number seems high compared to last year, it is similar to the spring wheat area in 2013 and 2014.



Canadian farmers had high hopes for increased seeded area when Statistics Canada surveyed them in March, but recent cold, wet weather is leading to concerns about muddy fields and hard to manage unharvested crop. | FILE PHOTO

## OILSEEDS WIN

Canadian farmers plan big increases in canola and soybean planting, according to the Statistics Canada seeding intentions report. Oat area is also expected to rise and spring wheat hold steady, but decreases are expected in pulse crops and durum.

Canadian spring seeding intentions (million acres):

Crop	StatsCan 2017 survey	Trade 2017 estimate*	StatsCan 2016 actual
All wheat	23.18	22.40	23.21
spring wheat	16.66	--	15.40
durum	5.15	5.00	6.19
winter wheat	1.48	--	1.68
Canola	22.39	21.30	20.37
Soybeans	6.96	5.90	5.47
Barley	5.88	6.00	6.39
Lentils	4.39	5.10	5.86
Peas	3.99	4.30	4.24
Corn	3.75	3.20	3.33
Oats	3.42	3.20	2.83
Flax	1.12	1.13	0.94
Mustard	0.39	--	0.53
Canaryseed	0.27	--	0.26
Dry beans	0.26	--	0.28
Chickpeas	0.14	--	0.16
Sunflowers	0.05	--	0.07
Summerfallow	1.77	--	1.99

\* Reuters poll  
Source: Statistics Canada | WP GRAPHIC

Soybeans, as expected by most in the trade, will see substantially bigger acreage, but many were surprised by the size of the increase. Manitoba's acreage will swell to 2.2 million, jumping 34.6 percent from last year. Saskatchewan soybean area is expected to triple to 730,000 acres from 240,000.

Oats were expected to increase, but the almost 600,000 acre projected increase is much more than most trade expectations.

In Manitoba, corn acreage could reach 475,000 this year, StatsCan said.

However, Canadian barley acres should fall eight percent to 5.9 million.

Townsend said the big overall acreage number is a surprise, but cautioned that farmers still have crops in the field from 2016 and might not be able to push as hard when they get into their fields.

"They (were) operators feeling the most optimistic," said Townsend about farmer attitudes in March when the survey was done.

Statistics Canada surveyed about 11,600 farmers March 16 to 31.

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## » CONTINUED FROM PREVIOUS PAGE

Daryl Beswitherick, program manager of quality assurance with the Canadian Grain Commission, said nothing has changed with Canada's grain grading system.

He believes part of the customer confusion and angst stems from lentils being marketed as No. 2 or better.

In a year with good growing and

harvest conditions, that means the shipments will be full of No. 1 lentils. In a bad year, it could be full of product that is at the bottom of the No. 2 grade.

"They're comparing what they received one year to what they're receiving this year and saying, 'this is not the same product,'" said Beswitherick.

Another complicating factor is that the Canadian Grain Commis-

sion assigns grades only on bulk shipments but a lot of lentils are sold in containers.

Container shipments receive grades from private companies and they can be sold on specifications that are outside of statutory grade requirements.

Beswitherick said those shipments sold on spec may come into play in some of this buyer confusion.

He said there is no doubt that this year's lentil crop was subpar, especially the greens, in which 12 percent of the crop graded No. 1 and 50 percent No. 2 compared to 14 percent No. 1 and 71 percent No. 2 the previous year.

Topham said there is another reason that complaints are rising.

"Moving from a high-priced environment into a lower price environment tends to drive a lot of this

conversation," he said.

"There is a big amount of added stress to the buyers and distributors."

Topham said some buyers who are using the quality issue as an excuse to get out of unfavourable contracts may find it difficult to buy Canadian pulses in the future.

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## ALGERIAN IMPORTS

# Algeria's goal for self-sufficiency in durum a stretch

BY SEAN PRATT  
SASKATOON NEWSROOM

Attempts by Canada's top durum customer to end imports of the crop have fallen short of the mark.

Algeria has stated that it will become self-sufficient in durum production by 2019.

The government hopes to achieve that goal by boosting the amount of land under irrigation to five million acres.

Algeria's agriculture department is paying for half the cost of irrigation equipment and supporting the increased use of fertilizer, certified seed, specialized equipment and new silos, according to a report by the U.S. Department of Agriculture.

The North African country was the top market for Canadian durum in calendar year 2016, buying 944,965 tonnes of the crop for \$343 million. It beat out Italy, which had been the top buyer the previous two years.

"It's concerning just because they're such a large part of our exports," said Bruce Burnett, director of markets and weather for Glacier FarmMedia.

Burnett said it is conceivable that

Algeria could achieve self-sufficiency, but he doubts it would happen within the next two years. It will be an expensive proposition for a country suffering from reduced oil revenues.

The policy does not seem to be having the desired effect. Total durum imports are up in the 2016-17 marketing year.

Algeria is again the top destination for Canadian durum, buying 636,890 tonnes through the first seven months of the marketing year. That represents 28 percent of Canada's exports and is down only slightly from the 688,300 tonnes shipped during the same period a year ago.

"Really, it hasn't had a material impact yet," said Burnett.

However, Canada would lose more than one-quarter of its durum market if Algeria was eventually successful in its attempt to become self-sufficient.

"If they withdraw from the market because they're producing it internally, well then, that does make a big difference," he said.

"We would reduce our durum production in Western Canada under that circumstance."



Algerian farmers have combined three to four million tonnes of wheat in recent years. The government is investing in irrigation to lift durum yields and limit import spending. | REUTERS PHOTO

This isn't the first time Algeria has attempted self-sufficiency. The government made a similar announcement in 2010.

Back then the government set a target of cutting durum and wheat imports by at least two-thirds by 2014 by boosting domestic production.

The government said it would provide its farmers with subsidies of US\$2.7 billion per year to make that happen.

It didn't happen. Algeria imported 7.26 million tonnes of wheat and durum in 2014-15, which was quite a bit more than the 6.3 million tonnes it imported the year the self-sufficiency policy was announced.

Tunisia is another North African country pursuing self-sufficiency. The government has set a goal for

1.5 million tonnes of durum production, up from an estimated one million tonnes in 2017-18, according to the USDA.

It is using many of the same techniques to achieve that goal as Algeria in addition to setting a guaranteed farm price for the crop.

Tunisia was the ninth largest importer of Canadian durum in 2016, buying 98,900 tonnes worth \$41 million.

## 2017 production

For the time being, all North African countries are expected to continue being large importers of durum.

Burnett said Morocco's crop is off to a good start after a drought in 2016-17 caused durum production to plummet to 874,985 tonnes, a 64 percent decline from the previous year.

"They had more timely rains through their wet season," he said.

The USDA is forecasting a 53 percent increase in production this year to 1.66 million tonnes. However, the crop is behind schedule due to late seeding and could be

## ALGERIAN IMPORTS OF CANADIAN DURUM

	(in tonnes)
2012	856,523
2013	567,714
2014	855,005
2015	731,272
2016	944,965

Statistics Canada

confronted by yield-robbing high temperatures during grain fill.

The crop looks good in western Algeria, but the eastern part of the country is dry and requires rain soon.

Burnett expects normal demand from Morocco, which is Canada's third largest durum customer, and increased demand from Algeria.

He said the global durum market is not only focused on production prospects around the world but also quality.

"Although there's a lot of supplies in Canada and even in the (European Union), the quality aspects are a bit concerning," said Burnett.

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## WEATHER WOES

# Snow trumps Stats Can report

## MARKET WATCH



D'ARCE McMILLAN

A second snowfall on the Prairies this month provided support to canola prices even as farmers planned to seed a record acreage.

The snow and rain that fell during Easter weekend and again April 23-24 increased worries that farmers will be under extreme time pressure this spring, especially those who have yet to harvest crop left over from 2016.

The cold and wet will push more of the unharvested canola into the category unfit for human consumption.

This weather problem offset the bearish Statistics Canada seeding intentions report April 21 that pegged canola at 22.39 million acres, up about 10 percent from last year and a new record high.

The new crop November contract fell when the report came out but

partly recovered as the day progressed.

And by the close of trade April 24 the price was back where it was before the report came out.

Old crop May and July contracts did not fall at all. Indeed, the most-traded July contract had closed higher for eight straight trading days by April 24, posting a gain of about \$30 a tonne or six percent over that period.

In the same period, July soybeans rose only 1.9 percent, so canola gained on its rival.

Canola's strength is focused in the old crop because of the expectation of tight year-end stocks.

New crop months face downward pressure from the expected record soybean acreage in the United States and rising palm oil production in Indonesia and Malaysia.

Expect the spread between old and new crop months to remain fairly wide.

How high can July go? It depends on how far crushers and exporters have committed themselves for the rest of the crop year and how desperate they will become to pry the remaining bushels from farmers.

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

## SUPPLY AND DEMAND

# U.S. March feedlot cattle placements carve new monthly high

CHICAGO (Reuters)—American cattle ranchers in March placed 11 percent more cattle into feedlots than a year ago, the U.S. Department of Agriculture reported last week, which topped analysts' forecasts and notched a record high for the month.

In March, packing plants paid feedlots more money for cattle, which enhanced feedlot profits enough for them to buy more

calves for fattening.

Ranchers moved animals to feedlots as quickly as possible to take advantage of higher cattle prices.

Cattle driven into feedlots in March may begin arriving at meat packing plants in September, which could mean US\$111 to \$112 per hundredweight cattle prices then, said Allendale Inc. chief strategist Rich Nelson.

How beef prices will respond dur-

ing that period will largely depend on demand and competition from higher pork supplies, analysts said.

USDA's report showed March placements at 2.102 million head. That was up 11 percent from 1.892 million last year and bested the average forecast of 2.015 million. It was the most since USDA began tabulating the data in 1996.

The government put the feedlot cattle supply as of April 1 at 10.904

million head, up from 10.853 million a year ago.

Analysts, on average, forecast a .3 percent decrease.

The government said the number of cattle sold to packers, or marketings, grew 10 percent in March from a year ago to 1.914 million head.

Analysts expected a 9.4 percent rise from 1.911 million last year.

Record-high March placements

reflect feedlots' return to profitability after cattle sold to packers \$6 per cwt. higher than in February, Nelson said.

Commodities analyst Don Roose described last month's larger-than-anticipated cattle placement result as "a perfect storm" of good U.S. beef exports, strong cattle prices and tight supplies in parts of the Plains based on reduced animal weights.

## CANFAX REPORT

### TIGHT SUPPLY LIFTS PRICE

Alberta fed steers on average fetched \$175.05 per hundredweight, up \$2.97, and heifers were \$172.76.

A new annual high was set with values at the highest point since February 2016.

Dressed prices ranged widely on a mix of calves and yearlings for various delivery dates. Most sales for immediate delivery were \$294-\$295 delivered. A few sales were set for four to five weeks out at \$288 delivered.

There was U.S. buying interest, but bids were not competitive.

Alberta cash cattle were trading at a premium to the Nebraska market recently, but last week the cash basis weakened to -\$2.92.

Weekly western Canada slaughter for the year is up four percent to 436,701.

Steer carcasses rose five pounds but were an incredible 47 lb. smaller than the same week last year.

Weekly exports to April 8 fell from the previous week's annual peak to 6,094 head.

Tight North American fed supplies will support prices, and U.S. buying interest should pick up.

Alberta fed steer calf supplies have been thinned, and more light heifer calves will soon be offered.

Smaller carcasses should support an aggressive kill if packers want to maintain current production.

U.S. live prices in the south generally rose US\$2-\$4 and dressed sales in the north were mostly \$5-\$7 higher.

Most live sales were \$130-\$133, and dressed sales were \$210-\$212.

The U.S. marketing rate in the first quarter was the highest for the period since 2003, which was when the U.S. limited imports from Canada because of BSE.

### COWS RISE

A few calving culls have appeared, but non-fed volumes through commercial auction facilities have been light.

Slaughter volume is being supported by feedlot or speculative purchased cows that were put on feed in the first quarter of this year.

Cow slaughter volumes for the first half of April are up 16 percent compared to last year.

D1, D2 cows ranged C\$97-\$116 to average \$107 per cwt., up 88 cents. D3 cows ranged \$89-\$104 to average \$95.75.

Price are \$6 higher than the same time last year.

Slaughter bulls averaged \$125.64, up \$2.42.

Canadian bull exports are down seven percent this year and western Canadian slaughter is up 31 percent.

### FEEDERS STRONG

It was the first week since November 2015 where short-keep feeder prices were higher than year-ago levels.

The largest week-over-week price increase was on 850 pound steers. New annual highs were established.

## WP LIVESTOCK REPORT

### HOGS FALL AGAIN

Hog supply remains at a surplus to demand and prices continued to weaken.

The U.S. national live price average for barrows and gilts was US\$42.80 per cwt. April 21, down from \$44.33 April 14.

U.S. hogs averaged \$53.41 on a carcass basis April 21, down from \$56.04 April 14.

The U.S. pork cutout was \$75.47 per cwt. April 21, up from \$74.58 April 14.

The estimated U.S. weekly slaughter for the week to April 22 was 2.287 million, up from 2.223 million the previous week.

Slaughter was 2.233 million last year at the same time.

In Canada the April 22 Signature Five price was C\$143.36 per 100 kilograms, down from \$147.85 the previous week.

On a per hundredweight basis, the price was \$65.03, down from \$67.06 the previous week.

### BISON PRICES FIRM

The Canadian Bison Association said Grade A bulls in the desirable weight range sold at prices up to C\$6.30-\$6.50 per pound hot hanging weight. U.S. buyers are offering US\$4.75 with returns dependent on exchange rates, quality and export costs.

Grade A heifers sold up to C\$6-\$6.30. U.S. buyers are offering US\$4.50.

Animals outside the desirable buyer specifications may be discounted.

### SHEEP RISE

Ontario Stockyards Inc. reported that 396 sheep and lambs and one goat traded April 17. A light offering of wool types sold at steady prices on new crops while heavy type lambs sold \$5-\$10 per cwt. higher. Sheep traded \$5-\$7 stronger. There were too few goats to establish a market.

grass-weight cattle, it would not be surprising if there were grass orders that still need to be filled.

Saskatchewan and Manitoba feeder prices have closed ground against the Alberta market. Saskatchewan heifers 500-900 lb. were steady to a slight premium over the Alberta market.

The calf and feeder market looked another \$2-\$5 higher toward the end of the week.

### U.S. BEEF HIGHER

Choice was up US\$5.05 per cwt. at \$215.72. and Select was up \$4.81 at \$203.57.

Post-Easter demand for grilling items is expected to pick up, supporting middle meat and ground beef prices.

Weekly Canadian boxed beef prices to April 15 saw AAA up

C\$6.53 at 282.67 per cwt., and AA was up \$5.53 at \$271.10.

The March Consumer Price Index shows a 1.3 percent month-over-month increase in CPI for beef and a .6 percent increase for chicken, while pork was down .8 percent.

The indices for red meat and chicken were all down compared to last year with beef down seven percent, pork down 6.8 percent and chicken down 1.3 percent.

*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.*

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## Miami Colony Farms Ltd.

has acquired the shares of

## Hansen Creek Farms Ltd.

Miami Colony Farms Ltd. has acquired the shares of Hansen Creek Farms Ltd. MNP Corporate Finance Inc. acted as exclusive financial advisor to Hansen Creek Farms Ltd. in structuring and negotiating this share transaction with Miami Colony Farms Ltd.

This share transaction has allowed the shareholders of Hansen Creek Farms Ltd. ("Hansen Creek") to implement their succession strategy while maximizing overall value and reducing the administrative burden of selling the farmland and equipment piecemeal. By structuring a share sale and selling the farm as a going concern, all farmland, equipment and working capital were sold.

Hansen Creek is a 6,000-acre grain farm located in Ste. Rose du Lac, Manitoba, that produces barley, canola, soybean and wheat.

Miami Colony Farms Ltd. ("Miami Colony") is a Hutterian Brethren colony located in Miami, Manitoba. It was founded in 1966 as a division from the James Valley Hutterite Colony. Miami Colony operates grain and hog farms, in addition to light manufacturing enterprises.

For more information, contact:

Brett Franklin, CPA, CA, at 204.336.6190 or email [brett.franklin@mnp.ca](mailto:brett.franklin@mnp.ca)

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## NUMBERS TELL STORY

## CFIA glyphosate testing shows Canada's food is safe

The Canadian Food Inspection Agency's tests on glyphosate residues in food show what those who follow the science had expected — Canada's food is well protected.

Said Aline Dimitri, the CFIA's deputy chief food safety officer and executive director, "...what this (report) is saying to us is that the Canadian food system is safe."

But given that glyphosate is now the subject of intense debate — indeed, it can be argued that politics, especially in the European Union, now overshadow the science on glyphosate — it's essential that reports such as the CFIA's withstand the microscope of criticism.

In that sense, there are issues.

The CFIA did the responsible thing. It initiated tests on glyphosate residue in food in 2015 after the International Agency for Research on Cancer, a division of the World Health Organization that co-ordinates research on cancer, classified glyphosate as a "probably carcinogenic to humans." (It did so emphasizing the laboratory-based "hazard" approach rather than the risk-based approach that considers real-world exposures.)

Because many other scientific agencies did not agree with this conclusion, the debate over glyphosate has simmered. Indeed, a 2016 report issued by the WHO in conjunction with the Food and Agriculture Organization concluded that glyphosate is "unlikely to pose a carcinogenic risk to humans from exposure through the diet."

The science hasn't changed through numerous studies. Typical lifetime consumption of caffeine is likely to have more toxic effects than expected lifetime exposures to glyphosate through diet.

And considering that the maximum residue limits in Canada are usually set at least 100 times below what can reasonably be expected to have any effect, the CFIA glyphosate report joins the long list of studies that consider it safe for use as directed.

The agency tested 3,188 samples — as it turns out, with an emphasis on imported foods — and found that glyphosate exceeded the MRLs in only 1.3 percent of those samples. Many of those exceedances were in grain. Buckwheat, quinoa, millet, rye, amaranth, barley, rice, spelt, kamut and teff were tested.

However, a glaring omission from grain testing was wheat, oats and corn, all of which are commonly subject to glyphosate use before harvest.

About 30 million acres of wheat, oats and corn are grown in Canada each year. We now know that testing on flour, oats and corn will be conducted next with results expected in 2018.

Still, given that these crops are ubiquitous in Canadians' diet, especially as ingredients — as opposed to kamut and teff — their omission in this round of testing is a bit of an eyebrow-raiser.

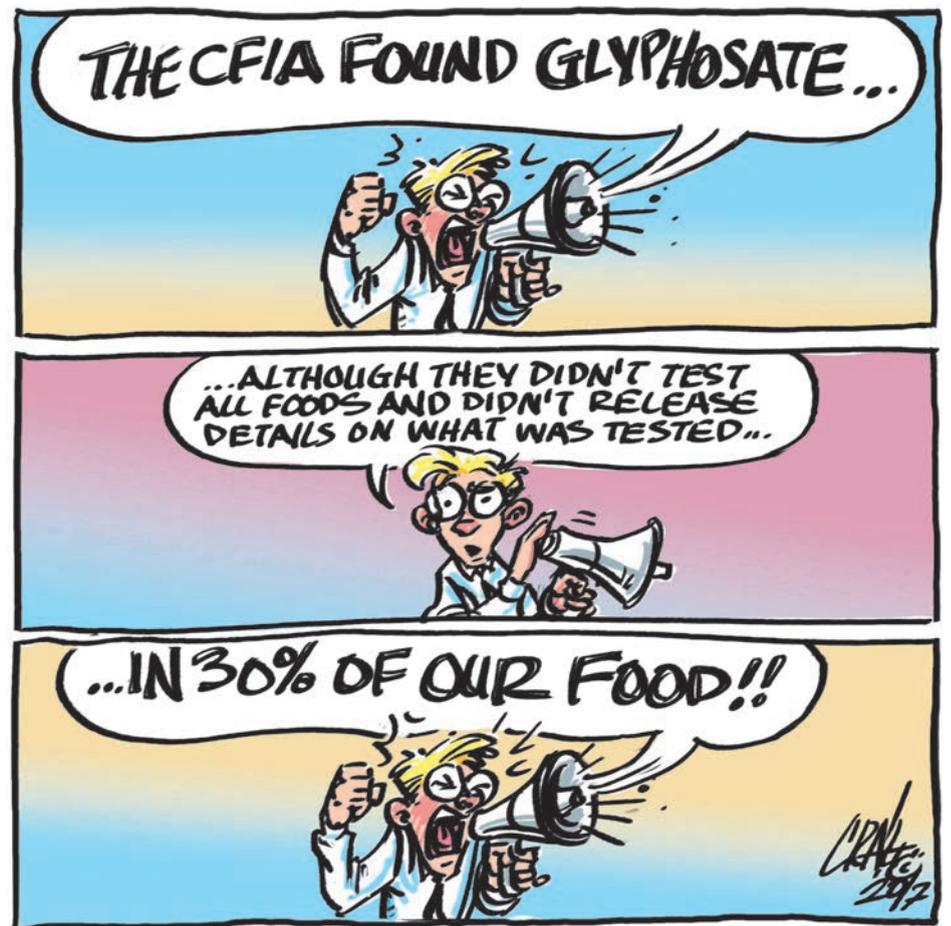
There is also the issue that science is getting better at detecting infinitesimally small glyphosate residues, which can now be identified in parts per billion, a measurement of no significance. It's more prudent to focus on the MRLs, explaining that some ingredients tested used a "default" MRL of .1 part per million, which itself is 50 times lower than the actual MRL for wheat and 200 times lower than the MRL for soybeans. Detection of residue in these default MRLs is inconsequential.

The context of this report is vital. The CFIA is trusted by Canadians, so officials should provide as much information, in full context, up front.

And farmers should heed the advice of Sask Wheat Chair Bill Gehl, who advised they "tweak" their practices to ensure proper application of glyphosate, especially ensuring that moisture levels are appropriate.

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

## CRAIG'S VIEW



## SOLAR POWERED IRRIGATION PIVOT

**We don't view it from a global warming standpoint. We view it based on the economics of it. Does it have a payback? Is it a good investment? That's how we view it.**

**CORY NELSON,**  
MERLINDS FARMS LTD., PAGE 1

## CANADA, U.S. TRADE

## President Trump puts supply management on the chopping block

## CAPITAL LETTERS



KELSEY JOHNSON

It's on.

Canada's dairy industry has officially caught U.S. President Donald Trump's attention.

The American president vowed to "stand up for our Wisconsin dairy farmers" during a speech in the milk-rich state April 18.

"Because in Canada some very unfair things have happened to our dairy farmers and others and we're going to start working on that," Trump promised.

"Yeah, we'll get that done. We're going to work on that very hard, we're going to work on it immediately — in fact, starting today. It's a terrible thing that happened to the

farmers of Wisconsin."

He doubled down on that pledge two days later from the Oval Office.

"Canada, what they've done to our dairy farm workers, is a disgrace. It's a disgrace."

Anyone who follows Canada-U.S. trade knew this day was likely coming. After all, farmers played a key role in getting Trump in the White House in the first place.

Ever since, Canada's supply managed sectors had been watching the unpredictable president with bated breath. More than a few farmers have said they would check Twitter on a daily basis to see whether the file had made the president's radar.

Political battles between Canada and the United States on dairy aren't new. The Americans have been very clear that they aren't a fan of Canada's supply management system. They've long argued for more access to Canada's dairy and poultry markets — a demand they voraciously battled for during the recent Trans-Pacific Partner-

ship negotiations.

Under that deal, Ottawa agreed to give foreign suppliers access to 3.25 percent of Canada's dairy industry annually. The Americans wanted 10 percent.

The Trump administration formally withdrew the U.S. from the TPP earlier this year. However, it's expected Washington will try to recoup the previously promised Canadian market access in the pending renegotiation of the North American Free Trade Agreement.

The U.S. president's hatred of NAFTA is well known. Trump has vowed repeatedly to "rip up" the deal, which he told the Associated Press in a recent interview is hurting American dairy farmers. Farmers in Wisconsin and New York, the president said, "are getting killed by NAFTA."

Canada's supply management system is largely exempted from the NAFTA trade agreement. Ottawa has vowed to defend the quota-based farming system in the pending renegotiation.

It's worth noting the current dispute between Wisconsin, New York and Canada isn't so much about NAFTA as it is about American diafiltered milk exports and a new pricing policy, called Class 7, which the Americans insist has cut them out of the Canadian market.

Canada vehemently disputes those claims, insisting the current financial strife facing American dairy farmers has more to do with overproduction and weakening global dairy markets.

Prime Minister Justin Trudeau, Canadian Ambassador to the United States David MacNaughton and Ontario Premier Kathleen Wynne have all publicly defended Canada's supply management system in light of Washington's latest remarks.

However, no Canadian official has responded to the president's remarks directly. Instead, MacNaughton and Wynne have both written letters to New York Governor Andrew Cuomo and Wisconsin Governor Scott Walker, while the

prime minister has responded to questions from the press.

One thing is certain. The president's latest remarks have done little to ease jittery Canadians who are nervous about what a NAFTA renegotiation might entail.

And, with several Canada-U.S. trade files set to heat up in the coming weeks, including the equally controversial softwood lumber file and pending action from Washington on the tax file, it's safe to say Canadian industry remains on edge.

Canadians have long prided themselves on having an amicable relationship with their southern neighbour — a mutual respect some fear may be upended by an unpredictable White House.

Trudeau has vowed Ottawa will not overreact. Still, now that Trump has said the words "dairy" and "Canada" in the same sentence, Canadians likely won't be breathing easier any time soon.

Kelsey Johnson is a reporter with iPolitics, [www.ipolitics.ca](http://www.ipolitics.ca).

## &amp; OPEN FORUM

STANDING PROUD

## Agriculture should be seen as positive

BY CAM DAHL

There are some organizations that don't like modern agriculture. I really don't understand why.

My personal hero is Dr. Norman Borlaug, who led the green revolution, which lifted millions of people out of poverty and provided food for millions more who would have otherwise starved.

The green revolution and the many innovations that have followed are the product of science. Because of this, most of us involved in agriculture tend to rely on scientific arguments to counter those who want to shut down modern practices and tools.

However, the language of science does not lend itself to telling our story, and agriculture has a fantastic story to tell. We need to adjust our approach.

We can't dismiss those who want to turn back the clock just because we might not understand them. Campaigns aimed at eliminating crop protection products such as glyphosate, or inputs like fertilizer, are tapping into an emotional appeal that is real and is driving consumers.

Pulling out science to say "you're wrong" gives some personal satisfaction. However, the approach does little to counter the activists. Instead, we too need to reach beyond science and talk to consumers in their day-to-day life. To do this, we need to stand up and talk about what agriculture has delivered.

A Monty Python bit asked "what have the Romans ever done for us?" To paraphrase, what has modern farming done for us?



Modern farming has brought us a sustainable and plentiful supply of food. It's a story that farmers need to tell. | FILE PHOTO

Well, there is all this food, of course. The developed world spends less time and energy putting food on the table than any other group of people in the history of the planet. Food has never been safer or cheaper.

Activists say we could feed the world without modern agricultural practices. But reverting to the time before Dr. Borlaug would mean less, but more expensive food, and greater hunger for many that have abundance today.

But what about the environment? Isn't all this food coming at an environmental price that future generations will have to pay?

Well no, actually. Here too, agriculture needs to stand up and be proud of our sustainability record.

To me, sustainability means growing food in a way that gives a good living to farmers and leaves the land and water in better shape

for those who will be farming after us. Canadian farmers are doing just that.

In the last 20 years, the amount of fuel used to produce a tonne of wheat has gone down by 39 percent. At the same time, farmers are producing more grain from every acre of land.

This is an incredible story, especially in a time when governments around the world are searching for policies and programs to reduce energy use.

Each year, Canadian farmers are increasing soil organic matter and every bit of that increase is sequestered carbon. Farmers do this without any government regulations forcing them to action.

Modern agriculture is also reducing soil erosion. Unlike the dust storms of the 1930s, Saskatchewan does not blow into Ontario anymore and we have modern agriculture to thank.

Who should be telling this good news story? Our best spokespeople are farmers themselves. Producers are trusted by consumers. The public wants to know why farmers do what they do.

Reaching out to customers and sharing agriculture's good news story should be part of every farm's business plan. If we in the industry are not telling our story, others will speak for agriculture and we may not like what they say. Some want to take away modern farming tools.

By proudly speaking up, we preserve the gains of the past and help drive forward to a more sustainable and profitable future.

Social media gives farmers an outlet to tell their story. This should become a tool as familiar on the farm as a tractor.

Cam Dahl is president of Cereals Canada.

CHANGING WITH THE TIMES

## Newspapers, libraries keep on truckin'

EDITORIAL NOTEBOOK



MICHAEL RAINE  
MANAGING EDITOR

Many times I have heard the end of newspapers is near. The same has gone for libraries, book publishers and magazine makers.

Unlike the move from horses to mechanized farming or livery hauling to trucks, which lasted about 15 years, the end for these things is still over the horizon.

It was said 20 years ago, and still is, that news and information consumers would become their own editors, choosing to pick through the exploding myriad of information sources available to them on the internet, and legacy publishers would die off without so much as a whimper from their users.

We have seen our markets change, but *Western Producer* readership has stayed on par with the number of professional farmers in the marketplace (almost everyone in the business reads it).

Demand is related to supply. While there is far more material available to today's prairie farmer, the quantity of quality material delivered at the right time and in the right format has fallen over the past two decades.

The loss of funding for extension agricultural specialists at post secondary institutions and from governments, the loss of the prairie pools and consolidation of the grain and livestock companies have conspired to reduce the flow of impartial, useful information.

Publications like ours fill some gaps in that regard but in daily newspapers, the public support for journalism has been on the wane for more than a dozen years.

However, a new American president is changing that. His attacks on what he calls mainstream media's "fake news" have backfired, boosting subscribers to those reputable news sources he vilified.

The *New York Times*, along with hundreds of other national and local newspapers across the U.S., have seen subscriptions rising as the public looks to trusted sources for real information.

It appears that Saskatchewan's libraries are not a thing of the prairie past either, as the governing Saskatchewan Party found out in the past few weeks.

Rural and urban protests pushed massive library funding cuts back off that government's chopping block this week.

When it comes to quality information, delivered in the right time, in the right place, the public can be trusted to choose what it needs.

mike.raine@producer.com

INFORMATION SOURCE

## Ag extension starts with easy-to-use website

HURSH ON AG



KEVIN HURSH

Saskatchewan Agriculture has great people doing a lot of great work.

However, the ministry's lousy website is detracting from its overall efforts.

"I can never find anything on your website," I often find myself telling staff members.

The usual reply is a sigh of resignation.

Maybe it's because all of the provincial government is linked under one website umbrella, and agriculture has lost control over how its information is presented. Maybe it's because communications

efforts are being diverted into other social media channels.

While it's no doubt difficult to categorize all the information posted in a way that makes it easy to find, using the website is far more frustrating than it should be.

A lot of good reports posted somewhere on the site might as well have been dumped down a big black hole. Even when you know what you're looking for, good luck actually finding it.

On Twitter, I saw a mention about a newly released land lease survey. Even with the help of the website's search function, I couldn't find it. Finally I emailed someone with the ministry who sent me the specific link.

There was a time when new reports such as this one were highlighted on the home page of the website or at least under some sort of link such as "New Postings." Now, stuff is added, and unless you know to look for it, it's seldom accessed.

The ministry stopped doing paper copies of its Crop Planning Guides. That's fine, but without adequate visibility for the guides, I'll bet very few producers used them this spring.

Regular cattle and hog market reports are generated by the ministry. If you're signed up, you can get them by email. Of course, they're posted somewhere on the website, but you have to dig.

It must be incredibly frustrating for professionals to be assembling good information only to have it buried where few people will ever see it.

Eventually some politician or bureaucrat will question why the report is being done at all.

The ministry delayed publishing the 2017 *Crop Protection Guide* until closer to spring so that product registration information would be more up to date.

The big books weren't handed out in January and when I checked at a Saskatchewan Agriculture

regional office in late March, they still weren't available.

However, I was told that it was posted on the website. Yes, but it's a 724 page book and you have to go page by page to find anything. A tremendous amount of work goes into this guide, and it's highly valuable, but to be useful on a website it needs a different format.

A review of agriculture extension activities is underway and online surveys have become the new way for governments to consult without actually talking to stakeholders.

From my vantage point, good extension needs to start with a strong website. Dedicated, smart people are trying to do good work for farmers and the entire industry. A discombobulated website design, a product of bureaucracy, masks much of the good work being done.

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.

### DEFERRED PAYMENTS

To the Editor:

The federal budget proposes to do away with the deferred payment program on sales for barley, wheat, oats, flaxseed, canola, and rye. That means farmers will no longer be able to defer a portion of their income into the following year.

Farmers have until May 24 to submit comments to: consultation tax 2017@canada.ca.

The government needs to hear from farmers, en masse. This has huge (negative) tax implications to farmers who have been "deferring" payments for their grain, from one year to next, to try to equalize income from good to bad years.

As Kevin Auch, chair of Alberta Wheat Commission, stated, "some years we'll have a great crop, the next year we'll have a hailstorm and get wiped out. Our production can vary quite a bit."

Whether it's hailstorms, a drought (like 2002), or lousy harvest weather like last fall, which meant that crops stayed out all winter, weather of all sorts can play havoc with our crop-yields.

And, this proposed tax change eliminates an option that has proved to be helpful to farmers in the past. (Is this just a tax grab by this government?)

I thought I should bring this to your attention, so that all of us can submit our concerns before the May 24 deadline.

Marion Leithead  
Bawlf, Alta.

### PROPERTY RIGHTS

To the Editor:

After reading "Sask. farmers fight to protect property" (March 23, WP), I had to reply. What's the best way to fight crime in rural Saskatchewan, or elsewhere for that matter?

Seems everyone is asked to let the crooks be, call the cops, don't defend yourself, your property or anyone else. If you do, you are called a vigilante.

For one thing, there will never be enough cops to prevent crime unless each of us has a personal bodyguard. I think Canadians in general watch too many police shows and get a completely wrong idea how most cop and crook situ-

ations play out.

You've seen how the cops storm in at the last minute and save the victim in the nick of time, over and over again. If that happens once in the average cop's lifetime, that is more realistic.

In general, cops investigate crime after the fact, after there are victims.

In all fairness, they are severely stressed and can't be everywhere. What to do? If our elected politicians, mainly the liberal and left wingers, would look south to the U.S. for sensible solutions our crime problems could go a long way to being solved.

Take Arizona and Montana. State after state is going to concealed carry of firearms. What this does is drop the crime rates, theft, assault,

homicides at an amazing rate, and they have the FBI crime statistics to prove it.

But you'll never hear of this in Canada, anti-gun politicians, chief's of police, media, gun control advocates only want you to hear negative things about guns.

This unfortunately messes with their agendas, which is to get rid of guns.

In Canada we basically don't have the right to defend ourselves, our families or our property. Crooks have free rein to assault, cheat, steal or murder because they know the victims are unarmed and will be in worse trouble than them if they defend themselves. That's why the Canadian crime rates keep getting worse.

If you are a crook in Arizona and

want to practise your trade there, you have picked the wrong place.

The very fact that the bad guys don't know who is armed and legal to use force keeps them away.

The fact is firearms in the hands of the law-abiding and honest citizens saves lives and prevents crime, proven over and over again.

The citizens get background checked and training and there's no blood running in the streets like what we're told by our country.

I challenge our government to look at what works to reduce crime and quit feeding the populace lies, deception, half truths and fear mongering.

Bruno Gross  
Fairview, Alta



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RESIDUE REPORT

# Wheat, oats not included in CFIA glyphosate tests

BY ROBERT ARNASON  
BRANDON BUREAU

Canadians wanting to know how much glyphosate is in wheat flour or oatmeal will have to wait until next year. That's because a recent Canadian Food Inspection Agency survey of glyphosate residues omitted wheat and oats.

The CFIA published a report on glyphosate residues in food two weeks ago that tested 3,188 food samples in 2015-16, including grain, juice, fruit, lentils, beans, peas and baby food. About 1.3 percent of the samples exceeded the maximum residue limits for glyphosate.

Health Canada experts reviewed

the cases that exceeded an MRL and concluded there were no concerns for human health.

Cereal crops were a large part of the survey, as CFIA scientists tested 869 samples of grain products. However, the agency's definition of "grain products" doesn't match what is grown or consumed in Canada.

Farmers seed about 30 million acres of wheat, oats and corn. Instead of testing those grains for glyphosate, federal scientists studied amaranth, quinoa, millet and teff, an Ethiopian grain.

"The CFIA did not test oat or wheat products in the first year (2015-16) of the survey. That year of the survey focused more on

imported products," an agency spokesperson said in an email.

The CFIA will look at wheat, oat and corn products in its next round of glyphosate residue testing.

Those results will likely be released in early 2018, but the survey will not include some familiar foods.

"Breads/bagels, granola bars and some breakfast cereals are not part of the survey," the CFIA spokesperson said. "The agency (is) focused more on the ingredient level of the food, i.e. flour and oats. These ingredients are less complex to analyze and this allows for lower detection limits. Some breakfast products were part of the survey (such as cream-of-wheat, oatmeal,

grits) and will be included in the next report."

In a separate email, the CFIA provided a list of grains tested for glyphosate in its April 13 report:

- buckwheat
- quinoa
- millet
- rye
- amaranth
- barley
- rice
- spelt
- kaput
- teff

Rice is definitely a staple grain for millions of Canadians and barley is a common livestock feed, but the other grains are not standard pantry items for most Canadians.

## GRAIN TEST RESULTS

Researchers tested 869 grain products for glyphosate and found 34 samples exceeded a maximum residue limit (MRL) of 0.1 parts per million. Some findings:

grain type	total samples	# over MRL	range (p.p.m.)
buckwheat	90	13	0.112 - 2.1
quinoa	31	2	0.19 - 0.52
millet	26	11	0.112 - 1.5
rye	66	8	0.201 - 5.9

Source: Canadian Food Inspection Agency

Aline Dimitri, CFIA deputy chief food safety officer and executive director, said agency scientists tested both grains and grain products.

"It can be in the form of a breakfast product, or could it be, say, just quinoa on its own," she said.

"We try to be representative of what is out there in the market, within the retail outlets."

The next series of tests will likely be more representative of grain products because spring wheat, durum and oats are cornerstones of the national diet.

The Canadian National Millers Association website says the average Canadian eats more than 70 kilograms of wheat flour and other milled grains a year.

In Western Canada, farmers grow more than 25 million acres of wheat and oats in a typical year.

A percentage of the crop is sprayed with glyphosate before harvest to aid dry-down and control late season weeds.

Neil Harker, Agriculture Canada weed scientist, said applying glyphosate before harvest is the source of residues in grains and pulses.

Agronomists recommend spraying the herbicide at 30 percent crop moisture or less because applying at higher moisture levels can increase residue levels in the grain.

The CFIA began testing for glyphosate residues in 2015 partly because the herbicide became extremely controversial that year.

In March of 2015 the International Agency for Research on Cancer concluded that glyphosate is "probably carcinogenic" to humans. Many toxicologists have ridiculed the IARC decision, saying the panel relied on shoddy science and ignored more robust studies on glyphosate.

As well numerous regulatory and scientific agencies, including Health Canada, the European Food Safety Authority and the United Nations' Food and Agriculture Organization and World Health Organization, studied the herbicide's safety and concluded it's not carcinogenic and not a threat to human health.

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## NATIONAL INFORMATION

# Livestock traceability systems in place but future uncertain

The industry still has questions after TraceCanada lost its funding last year

BY MARY BAXTER  
FREELANCE WRITER

Nearly a year after the federal government quietly axed funding for developing a central database to support new livestock traceability regulations, the project's main supplier has still not been paid and its former chair says he doesn't know where the government plans to redirect the money.

Marie-Christine Talbot, president of Agri-Traçabilité Québec (ATQ), the non-profit organization that had been chosen to develop the TraceCanada database, said ATQ is owed more than \$1 million for work it did on the system.

"It's a lot for us."

Terry Kremeniuk, TraceCanada's former chair, said he expected the money the government clawed back would stay within the traceability file but did not know for sure.

"That's somebody else's ultimate decision."

Uncertainties dominate TraceCanada's final chapter, just as they have throughout the organization's three-year existence.

Nevertheless, those involved say livestock groups' ability to meet new traceability regulations won't be jeopardized.

Other systems can keep track.

"The needs of the systems are at, or going to be at a level that will support the new regulatory infrastructure," said Kremeniuk.

Launched in 2013 with \$7.5 million in federal funding, TraceCanada aimed to establish a central, multi-species database to track livestock movements throughout the country.

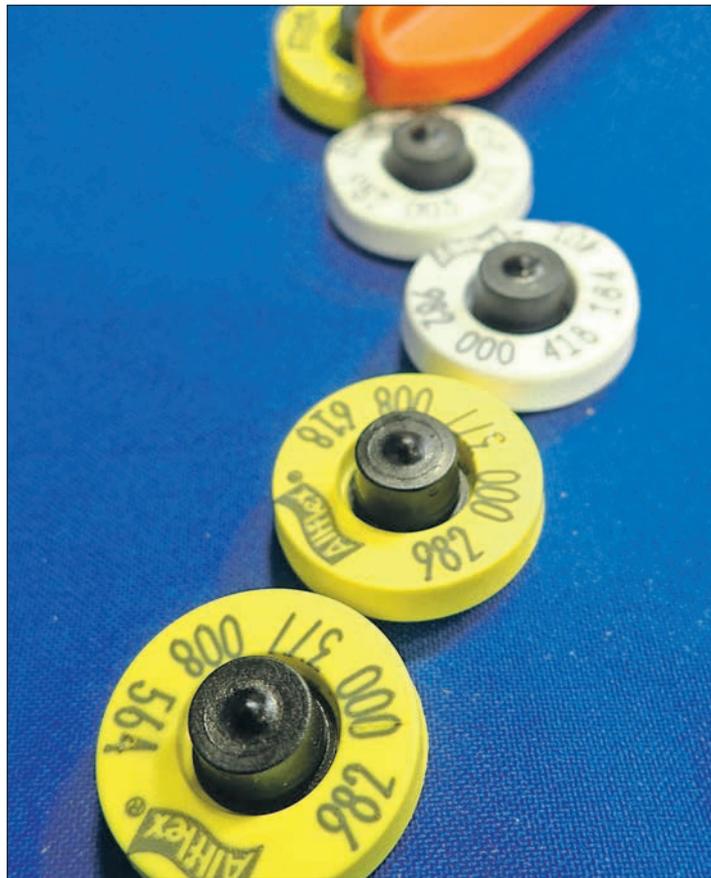
It brought together the three groups that operate national livestock databases — the Canadian Cattle Identification Agency (CCIA), PigTrace Canada and ATQ.

The Alberta-based CCIA tracks some beef and dairy cattle movements (as well as movements of some other species) throughout Canada with the exception of Quebec.

PigTrace tracks pig movements throughout the country. In Quebec, where traceability is already regulated for cattle, sheep and cervid species, producers must register their animals with ATQ's system at birth for tracking or on entry into the province.

The effort was intended to support the flow of information for proposed Health of Animal Act regulations that will make it mandatory to identify, trace and record the movements of cattle, bison, sheep, goats and cervid species.

The Canadian Food Inspection Agency plans to roll out proposed



TraceCanada was formed to combine data from the Canadian Cattle Identification Agency, PigTraceCanada and ATQ in Quebec to improve national livestock traceability. | FILE PHOTO

regulations this fall for public comment.

Agriculture Canada and TraceCanada "mutually terminated" the federal funding agreement because it had been determined "TraceCanada no longer had the capacity to complete the project," James Watson, a department spokesperson, said in an email.

Watson said the federal department plans to transfer the "traceability database assets" that TraceCanada brought to the sector "to help build the capacity of traceability databases that meet federal regulatory requirements and allow industry to implement the proposed regulatory changes."

**It's unfortunately been a bit of a battle. It seems to have kind of divided into them and us.**

MIKE MCMORRIS  
BIO GENERAL MANAGER

The department also plans to recover about \$2.7 million from the defunct organization and offer it to industry "for use towards other purposes (including traceability) under Growing Forward 2."

Watson did not respond to a question about why ATQ had not yet been paid.

Kremeniuk said the effort failed because it became clear they could not structure the business in a way that could meet the

needs of everyone.

Some ground was gained for the industry, he said: ideas were developed and systems worked on.

"Having all the livestock sectors get together was certainly beneficial in terms of sharing ideas and working on partnerships."

Talbot said the project fell apart because the partners lacked common understanding.

The project was ambitious and also very technical, she said.

Because it was taking place at the same time that traceability regulation was being discussed, she wondered if people confused the vision for the regulation with the practicalities of database support.

"As we were the service provider with our solution, some people may have thought that (the regulation) would have been close to the Quebec requirement, which is not the case."

Kremeniuk, who is also executive director of the Canadian Bison Association, said his industry will use the CCIA's Canada Livestock Tracking System Database to comply with the regulation when it comes into effect.

The Alberta agency's system is also expected to track sheep and goat movements throughout the country with the exception of Quebec.

In a prepared statement to *The Western Producer*, Anne Brunet-Burgess, CCIA general manager, said her agency "is moving forward with plans to prepare the Canadian Livestock Tracking System database to host multiple species in need of livestock traceability services."

Jeff Clark, PigTrace Canada program manager, said losing Trace-

Canada wouldn't affect the establishment of a national livestock traceability program.

But lack of a centralized system could create problems for the program's implementation, such as the potential for confusion to occur in areas where the existing traceability systems overlap, he said.

For example, he said an agency inspector responding to a foot-and-mouth disease outbreak that affects cattle and pigs on the Ontario-Quebec border now must go to three systems to obtain location information: "ATQ for Quebec cattle stuff; PigTrace for the pig stuff, and CCIA for the cattle stuff outside of Quebec. So it's not the most efficient thing in the world."

Plan B, said Talbot and Clark, has involved the agency building a traceability national information portal to pull information from the three industry databases.

PigTrace is linked to the system and daily synchronizes its data with the agency's system.

Clark said the agency is not ready yet to incorporate all of the information PigTrace produces.

Once all systems are up and running, Clark would like to see a disease simulation take place to ensure the portal works.

## Different views

Mike McMorris, general manager of Ontario-based BIO, noted that Canada has spent more than 15 years on the issue of livestock traceability and at least \$1 billion.

"It's unfortunately been a bit of a battle. It seems to have kind of divided into them and us," he said.

One of the biggest issues is traceability means different things to different people, he said.

BIO offers producers a farm management database tracking system. When the traceability regulation comes into effect, farmers can use such a system to track a range of individualized information, such as health details, McMorris said.

At the same time, the system will automatically stream the regulated animal movement information to the appropriate national tracking database.

For many farmers, the new rules will mean some changes to tracking practices, he said. And how much compliance will cost farmers is not yet known.

"There are lots of different scenarios; it's not going to be zero," McMorris said.

"There's at least going to be time involved. Even if they currently have a wand reader and they're already putting tags in, there will still be time involved to use a system and go to the CCIA website and record a movement."

Agri-Traçabilité Québec has discussed the money it is owed with TraceCanada and Agriculture Canada representatives. Taking legal action remains on the table.

"We can look at different options," said Talbot.

## USER FEES

# Farmers may see CGC fee changes by August

BY KAREN BRIERE  
REGINA BUREAU

Proposed Canada Grain Act regulatory amendments would see two Canadian Grain Commission user fees eliminated and two others reduced by Aug. 1, about seven months ahead of schedule.

The measures would save industry millions and limit the accumulation of surplus funds.

Consultation had been underway since March 1 on proposed changes to the fees as well as potential uses for the \$107 million surplus that has built up at the commission because of higher than expected grain volumes and lower than expected spending.

However, fee changes were not expected until next April, and Grain Growers of Canada welcomed the early reduction of outward inspection fees.



JEFF NIELSEN  
GRAIN GROWERS OF CANADA

"We applaud this regulation and look forward to working with government on the consultations around the new fee schedule and use of the current surplus," said president Jeff Nielsen.

Reduced user fees are proposed for official weighing and official inspection. The changes would also eliminate supplementary fees for time-and-a-half and double overtime. Instead, these costs would be included directly in the official inspection fee.

Changes will save \$9.99 million for this fiscal year and \$15.14 million in subsequent years.

"This represents approximately \$72.07 million in present value terms over a six-year period from 2017-18 to 2022-23," said the regulatory impact analysis statement filed with the regulations in the *Canada Gazette*.

"CGC user fees revenue would be reduced by the same amount for this time period, which results in a zero sum net benefit proposal, but any monies that might contribute to the surplus under the status quo would appropriately remain with the grain sector."

The statement notes that grain companies could reduce costs and increase competitiveness.

"Producers could also benefit through higher net delivery prices, as cost savings are generally passed down from grain handlers by way of lower handling tariffs that include CGC fees," it said.

Proposed regulations were published April 22 and stakeholders have 30 days to comment. The comment period on the surplus continues until May 1.

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## FERTILIZER IMPORTS

# India's self-sufficiency goal for urea unlikely: analysts

Experts say the high cost of nitrogen and gas make it uneconomical

BY SEAN PRATT  
SASKATOON NEWSROOM

Urea fertilizer prices will stay depressed for years if India follows through with plans to become self-sufficient, but that is highly unlikely, say analysts.

According to a Bloomberg story, the world's biggest importer of urea fertilizer intends to produce as much as it consumes within five years.

"We are in the process of reviving ailing plants, restarting closed units, expanding existing projects and building new ones," Dharam Pal, joint secretary at India's fertilizer ministry, said in the Bloomberg article.

"The target is to wipe out urea imports completely by 2022."

His comments raised the eyebrows of David Asbridge, president of NPK Fertilizer Advisory.

"That's a very interesting proposition," he said.

India imports about eight million tonnes of urea annually, primarily from Oman, China and Iran. That is almost double what the United States, the world's next biggest importer, will be buying after its third new urea plant is up and running.

India produced 24.5 million tonnes of urea in the year that ended March 2016 and consumed 32 million tonnes during that same period.

If it is successful in eliminating that gap, it would add to an already oversupplied market and keep prices depressed for a long time, said Asbridge.

Jason Newton, head of market research with Agrium, said self-sufficiency has long been a goal of the Indian government.

"It hasn't happened," he said.

"A major constraint that limits



An oversupply sent urea prices down to 2004 levels last year.

| FILE PHOTO

the expansion of nitrogen production in India is the lack of gas and particularly the lack of globally competitive gas."

Natural gas in India sells for about US\$7.50 per mmbtu (one million British Thermal Units), which is more than double the going rate in North America. That is why a new production plant that was built in India two years ago still hasn't opened.

"It's just not economical at current nitrogen prices and those gas prices," said Newton.

It is not even economical to build a new plant in North America where gas is selling for just above \$3 per mmbtu.

Newton expects India's production of urea to remain stable and will not come close to annual consumption, which is steadily growing.

Asbridge expects urea prices to remain low for another two to three years even without additional output from India.

If India managed to add another

eight million tonnes of annual production to the world supply, it would drive down prices to the lows of last summer when urea traded at a barge price of \$177 per tonne in New Orleans. Prices haven't been that low since 2004.

Prices have risen since then because China curtailed production due to rising coal costs. The country has idled about 20 percent of its production capacity.

China exported nine million tonnes of the nitrogen fertilizer in 2016, down from 13 million tonnes the year before.

Asbridge is not convinced that India's plans are genuine.

"It doesn't make a whole lot of sense to me, to be honest with you," he said.

It is an odd time to fire up inefficient, mothballed plants and build new ones when urea prices are depressed. That kind of activity tends to happen when prices are soaring.

He thinks India would be better off continuing imports at rock bottom prices.

"They may be trying to beat the price of urea down a little bit more by threatening to build new plants and open old plants," he said.

"They do stuff like that."

Although, he did note that India's annual production has risen by about 4.5 million tonnes over the last decade, so it is possible the government is sincere.

The Bloomberg story noted that increasing domestic production would help shield Indian farmers from urea price fluctuations and limit government subsidies to farmers.

It also is aligned with Indian Prime Minister Narendra Modi's plans to boost domestic manufacturing.

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## WATER RESCUE

# Alberta horses recovering after near drowning

BY BARB GLEN  
LETHBRIDGE BUREAU

The seven rodeo horses rescued from what would have been an icy grave near Hythe, Alta., were doing well April 21, almost one week after their harrowing escape.

On April 16, Easter Sunday, 10 horses fell through the ice on a dugout, sparking a rescue effort involving crews and members from six fire and rescue stations.

One horse was dead when crews arrived and another two later died of exposure or exhaustion but seven were saved.

County of Grande Prairie Fire Chief Trevor Grant said the call came in at about 4:15 p.m.

"Once we had confirmation on how many horses were in trouble, we knew that there was at least 10 that were through the ice, so we knew we were going to need a lot of help," he said.

"We sent our crews out from a number of different stations. From the County of Grande Prairie we had LaGlace, Clairmont and Dunes stations and then we also have departments that work with us, Beaverlodge and Hythe, were all dispatched as well as Grande Prairie search and rescue."

Personnel from the LaGlace station have taken training in large animal rescue so they took the lead. Some horses were rescued by cutting through the ice with chain saws so the animals could work their way to shore.

Others required the use of straps, slings and heavy plastic sheeting to lift and drag.

The rescue also required some

firefighters to enter the water with the horses.

"I don't know how long (the horses) had been in the water before (crews arrived) but they were pretty exhausted already."

"The risk was there but the crews did assess the risk and if they felt it was safe, they entered the water with the horse. It was about an hour and 45 minutes to rescue all seven," said Grant.

He declined to identify the horses' owner but said the animals are rodeo bucking stock and were in their usual winter pasture.

Animal rescue training paid off that day, said Grant, and it has also done so in the past.

"We have actually done other animal rescues. It seems like one of our firefighters has been on every rescue we've done for animals. It's just his luck, I guess."

"We've rescued a dog out of ice previously. Last January, we pulled a baby deer out of the ice just down from our station here."

The rescue ended well for seven of the horses involved but Grant said it should serve as a warning.

"This time of year the ice can be a very dynamic place from morning to evening. Not only should people be aware of themselves with ice conditions but they should be making sure they're looking out for their animals and pets as well."

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33  
YEARS

OKANAGAN VALLEY FRUIT

# Apples, cherries off to slow start but no lingering effect

No unusual pest issues are expected

BY TERRY FRIES  
FREELANCE WRITER

Apple and cherry trees throughout British Columbia's Okanagan Valley are behind average development this spring, but that isn't necessarily a bad thing.

Fred Steele, president of the British Columbia Fruit Growers' Association, said the valley's many microclimates make estimates patchy, but generally the trees are about three weeks behind.

"We had blossoms on cherries in many places this time last year," he said.

However, last year was exceptionally early, about a month ahead of the average.

"Three weeks behind is not a bad thing," said Steele, adding that the winter's high snowfall delayed spring pruning for many orchard operators, so the later start should give many time to catch up.

As well, the later start reduces the risk that threatening spring frosts will hit vulnerable buds.

"It mitigates some things. It creates problems in other areas."

Steele doubts the slower start will affect fruit quality or quantity over the course of the growing season. Winter damage caused by extended cold snaps might affect cherries.



Cool weather has slowed cherry development, but it reduces the risk of spring frosts that threaten buds. | FILE PHOTO

"Right here in Glenmore (a region of Kelowna), we had -23 C for about three, four days in a row at night," said Steele.

"We're going to be keeping an eye on that, too. So far we are seeing some budding. We don't know what the damage is going to be on that yet."

The outlook for pests appears the same as usual with no overriding concerns.

"There are the usual suspects: aphids, codling moths and things of that nature."

He said one thing he has noticed recently is how much more rapidly new pests arrive on the scene. The

Okanagan Valley used to get a new pest every five or 10 years but now sees new arrivals every three to five years.

Clearwing moths and spotted wing drosophila are two of the most recent pests to which growers in the region have had to adapt.

The valley remains the only fruit growing region in North America that remains free of the apple maggot.

A couple of dead flies were found last year in a commercial area — not in an orchard — but it is expected to become the next major obstacle Okanagan growers will have to face.

Steele said growers have stepped up monitoring, and the Canadian Food Inspection Agency has become involved with the effort to keep apple maggot out of the valley as long as possible.

"The other one that has everybody on edge is the brown marmorated stink bug," Steele said.

"That can do untold damage and not just to tree fruit. That does damage to everything."

He said a few were found along the Penticton canal outside the edge of the city, and the trees were removed.

Officials are not sure if the appearance was an anomaly or if more will appear this year.

The RV park and extensive campgrounds in the immediate area make the area vulnerable to insects and weeds carried in by tourists and transport trucks, Steele said.

He said many orchards will soon begin spraying dormant oil, which

is a food grade oil, to discourage bugs from laying eggs on branches.

Steele also said growers must remain on guard for fungal problems. The valley has recently seen a resurgence of fire blight, which is mainly weather dependent, encouraged by rain followed by sunny, warm temperatures.

The markets this year also appear to be strong as Canada remains a dominant supplier in Asian markets, he said.

That's largely because of the quality assurance systems that B.C. and Canada have in place.

Programs such as the On Farm Food Safety Program, FoodSafe and environmental safety programs have boosted Asian consumer confidence in their products, he said.

"We can sell what we can produce."

*Terry Fries is a freelance writer based in Summerland, B.C.*

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RESEARCH

## New E. coli test more accurate

BY TERRY FRIES  
FREELANCE WRITER

Scientists have developed a new testing method that detects all known harmful E. coli strains.

Scientists at the U.S. Department of Agriculture's Agriculture Research Service developed the test to detect bacteria that produce the shiga toxin, which causes diarrhea and disease.

Xiaohua He, a molecular biologist with the ARS in Albany, California, said the new test uses the same basic procedures as existing tests and could fit in with procedures now used at many slaughter plants.

"Yes, it can be used alone or as a confirmation test after traditional PCR (polymerase chain reaction) tests," she said.

"It helps eliminate false positive and false negative results often derived from PCR methods."

She said the sample enrichment step, which is the same for the new test and the existing PCR test, takes about eight hours, and then the test itself takes about two more hours.

E. coli responsible for human illnesses are better known in the laboratory as shiga-toxin producing E. coli (STEC).

These bacteria are responsible for

about 265,000 cases of illness each year in the United States.

In Canada, 470 cases of illness due to E. coli O157:H7, the most well-known of the shiga-toxin producing bacteria, were reported in 2013. Many strains of E. coli cause disease, but until now tests detected only some of them.

"We developed a set of novel monoclonal antibodies (mAbs) that can bind to all (shiga toxin) subtypes (of the E. coli bacteria)," he said. "Our assay uses a cocktail of these mAbs. Therefore, it can detect all STEC strains."

She said the antibodies developed by her team also have potential to treat humans with STEC infections.

"Our study showed neutralizing mAbs could clear lethal doses of shiga toxin 2 from intoxicated mouse blood within minutes and protect mice from such doses for at least four weeks. We are currently working on a project to humanize these mouse derived mAbs for potential therapeutic uses."

Patent licences have already been granted to commercial suppliers. A test kit for 96 samples costs about \$700.

*Terry Fries is a freelance writer based in Summerland, B.C.*

# FARMLIVING

## FINDING HER HAPPY PLACE

Killarney Sheffield combines her love of horses, writing, books and rural life on the farm at Loughheed, Alta. | **Page 18**



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University of Saskatchewan researchers are looking at ways to bridge the gaps in Canada's health-care system, focusing on improving communication between practitioners. | GETTY PHOTO

ELDERLY HEALTH RESEARCH

# Team approach needed on elder care

Co-ordinated system linking medical assessment, diagnosis and follow-up are needed to improve health-care delivery

BY KAREN MORRISON  
SASKATOON NEWSROOM

A specialty in geriatrics, a mother in her 80s and an upbringing in Cabri, Sask., keep one doctor's research clearly in focus for seniors in Saskatchewan.

Dr. Jenny Basran, an associate professor at the University of Saskatchewan in geriatric medicine, is working on projects ranging from developing devices to analyze falls to closing gaps in health-care delivery.

She is one of 13 researchers at the University of Saskatchewan who were showcased in the recently released report, *Impacting Seniors' Health, The Value of Aging-Related Research in Saskatchewan*.

It addresses Canada's aging population and the challenges the health-care system faces as the number of Canadian seniors, aged 65 and older, is projected to double to 25 percent of the population within two decades.

"For now, we need to get everybody to a certain standard of care because the baby boomers are coming and we're not quite ready yet," she said.

Today, her mother and her own insights into realities in rural versus urban health-care settings continue to keep her grounded, said Basran, whose parents operated the Chinese restaurant in Cabri.

She is currently collaborating with groups such as the Canadian Geriatrics Society to push for training in her specialty for all medical practitioners.

Basran, the only geriatrician in Saskatchewan, said new approaches are needed when complex medical concerns such as dementia are in play.

"Each area focuses on our own

area. We haven't really looked at how we can do this altogether," said Basran.

She suggested care plans that could be updated as the elderly patient moves through the system.

Current electronic health records often have gaps in information or require significant searching.

She said the health system was set up to find and fix problems.

"If you have more than one prob-



DR. JENNY BASRAN  
UNIVERSITY OF SASKATCHEWAN RESEARCHER

lem going on at a time, the health system is not set up for that," said Basran, noting that multiple health concerns will be more common as seniors live longer.

"We need to adjust the system to recognize that. Patients don't just come into the system and get fixed. It's a journey through a continuum," said Basran, stressing the importance of a team approach and good communication between all involved.

"When the baby boomers come into health care, that's when the system will really be in trouble," she said.

In order to modernize the current system, she is helping to evaluate dynamic models of care to study such problem areas as the numbers of patients coming to emergency wards.

Many could be taken care of by family doctors, if they were available, while others aren't admitted to wards because beds are needed for patients who cannot be discharged due to a lack of appropriate supports in their home communities.

"We can make things really great for one part of the continuum but that impacts other parts. In medicine, we often find we just pushed the delay further down the road."

Andrew Kirk, head of neurology at the U of S, agreed with a broad-based team approach. He cited the Rural and Remote Memory Clinic at the Canadian Centre for Health and Safety in Agriculture on campus, which can provide a diagnosis for patients displaying dementia symptoms.

They spend a day being assessed by a neurologist, neuropsychologist, geriatrician and physical therapist. The patient and family then meet to discuss the diagnosis and a plan for care.

Patients are then followed via telehealth, which reduces trips back to the city.

He said the only problem is the clinic is open just one day a week and has a long waiting list.

"We have a huge tide of people getting diagnosed with dementia as the population ages," Kirk said.

"The oldest baby boomers are just getting into the dementia years."

The incidence of dementia is not increasing, but the numbers of elderly are rising dramatically.

"Just as there was a huge boom in schools in the 1950s and '60s, now there is a huge boom of diseases that affect the elderly."

Kirk cited studies underway with primary health-care teams in

Kipling, Sask., and Weyburn, Sask., to create co-ordinated and efficient management of people with dementia and their care and determine what tests are needed.

"Primary care teams should be able to look after these people," he said of people with frontotemporal or Lewy body dementia and Alzheimer's, among the most common types of dementia.

These conditions can complicate investigations into why the elderly fall, something Basran is hoping to improve on through a wearable device that would give doctors more information when falls occurred.

The elderly may fall because medications blurred vision or blood pressure suddenly dropped when they stood up, she said.

"It's hard to recall that information, and if you have cognitive impairment, it's really a lot harder to figure that out," Basran said.

Saija Kontulainen, a professor in the U of S's kinesiology college who is studying fall prevention and bone health, said it all begins with promoting good nutrition and an active lifestyle in childhood.

"That's when you build the foundation for bone strength. It helps to prevent fractures in later ages," she said.

Exercise is key.

"We need to do it or we lose it."

Her recent research exploring bone strength looks beyond just measures of bone density.

She compared it to building a bridge and examining the strength of the structures supporting the body.

Kontulainen stressed the importance of exercises to improve balance to prevent falls and specific weight bearing exercises.

## TYPES OF DEMENTIA

There are many types of dementia, but symptoms generally include loss of short- and long-term memory, judgment and reasoning, changes in behaviour and changes in the ability to communicate.

- Alzheimer's disease is the most common dementia, at about 63 percent of cases. It is a progressive, degenerative and fatal brain disease in which cell connections in the brain are lost.
- Vascular dementia is the second most common at an estimated 20 percent of all cases. Problems with the blood supply to the brain, like during a stroke, is a common cause.
- Frontotemporal dementia tends to occur in younger people and primarily affects the areas of the brain associated with personality and behaviour.
- Lewy body dementia occurs because of abnormal deposits of a protein inside the brain's nerve cells. Why or how this happens is unknown.

Source: Alzheimer Society of Canada

For hip health, she recommended squats, lunges and high impact jumps.

"After a hip fracture, only one-third will return to normal activities," said Kontulainen.

Walking is good, but it isn't sufficient on its own. She cited research showing a thinning of the shell around the bones in post-menopausal women.

"It's hard to build anymore bone," she said.

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ON THE FARM

# Horse lover combines the best of breeds

Alberta breeder says she wants the bones and body of Quarter horses and speed and athleticism of Thoroughbreds

BY KAREN MORRISON  
SASKATOON NEWSROOM

LOUGHEED, Alta. — A tiny foal stays close to its mother, wary of the new face in the barn, while in an adjacent pen, a black mare bulging from her sides waits to disgorge her leggy bundle hours later.

Horse trainer and breeder Killarney Sheffield tries to be on hand for her horses' births. Out of 50 mares, she said she's missed only a few births.

The mother of five children and stepmother of one keeps her horses in corrals near her house on farmland where her husband, Rob Feild, works as a farm hand near Lougheed, Alta.

Feild tends the owner's bulls here in winter and cattle housed on nearby land, while the yard affords Sheffield a training arena, barn and corrals for the 10 horses currently on site.

She gives riding lessons, starts colts and shows animals. At one time, she also provided farrier services, but now only takes care of her own stock's needs because of arthritis in her hip.

Sheffield said she is among a small group of breeders who likes to combine thoroughbred stallions and foundation Quarter horse mares to produce a filly foal.

"So it keeps the bones and body of the Quarter horse and adds the height, speed and athleticism of a Thoroughbred. I went back to doing it the old way," said Sheffield, who has sold horses across Western Canada and recently in Oklahoma.

Her love of horses grew through a turbulent childhood and placement in foster homes at the age of 13. As a teen, Sheffield worked in riding stables, earning money sweeping and exercising horses to buy an animal bound for the meat market for \$600.

She competed at shows, including Spruce Meadows near Calgary, where she was pitted against horses valued in the thousands of dollars.

"Here I am in my hand-me-downs with a \$600 meat horse I rescued and trained myself," she said. "For a poor foster kid to get into Spruce Meadows, it was just mind blowing."

She got a coaching degree at the Okanagan Community College in Kelowna, B.C., and later Level 1 English and Western designations.

This summer, she will host young people for three months from Germany who are interested in learning more about horses through the Internex program, which provides real world hands-on experiences.

She met Feild while both were working at a dairy operation; she with horses and he with cattle.

On their first date, he took her to an auction where he was selling the dairy's bull calves. After she took pity on "a decrepit old pony with curled up nails" bound for the meat market, he bought it for her.

"This was a guy worth dating, who has empathy for animals, he's not someone who will hurt me," Sheffield concluded.

She has a special attraction to



Killarney Sheffield raises and sells horses at Lougheed, Alta. She says she always dreamed of a life on the farm and bought her first horse as a teen. | KAREN MORRISON PHOTOS

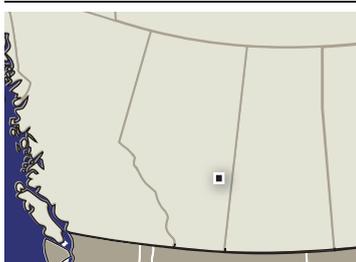
rescues and damaged horses, remembering one that had broken its knee.

It was tied to a post and shattered its knee trying to get away and was left to heal without any veterinary care, she said.

Sheffield spent more than a year working with the horse. Its gait never returned to normal but she produced a foal.

"It was the only horse I was attached to in an emotional way. Her abuse brought back a lot of my abuse as a kid," she said, noting both mare and foal died within days of the birth.

## ON THE FARM



KILLARNEY SHEFFIELD & ROB FEILD  
Lougheed, Alta.

"Losing a mare is really tough.... It hurts my bottom line," she said of

mounting costs from paying for veterinary bills and feed.

"I break even on horse sales, I cover my costs. Some years are better than others."

Sheffield said she always dreamed of this life on a farm.

"It's a great way to raise kids," she said. "You do it because you love it. We try to do our best for our animals. ... Farmers are really dedicated people who will go above and beyond for their livestock and to help others. It's a neat community to be involved with."

She cited support from other farms in providing affordable feed

or loading up a trailer with supplies to help horses displaced by the wild fires in Fort McMurray, Alta.

Feild helps her when necessary but prefers cattle.

"He's not into horses at all," said Sheffield.

He is kept busy through many 12-hour days in his farm job.

She praised Feild for supporting both her and her horses, quoting a line from the horse movie *Seabiscuit*: "You don't throw a whole life away just because he's banged up a little."

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ON THE FARM

## When horses are down for the night, it's time to write

BY KAREN MORRISON  
SASKATOON NEWSROOM

LOUGHEED, Alta. — Killarney Sheffield's affinity for animals is evident within the pages of the 23



Killarney Sheffield says royalties from books she has had published provide extra income.

books she has written and published since 2010 with independent and small publishing houses.

"My books are light on romance and more on adventure, intrigue and personal growth," Sheffield said about titles such as *Love's Magic*, *Stand and Deliver Your Heart* and *The Emperor's Concubine*.

She always loved books but disliked school, where bullying was commonplace.

"I hated school. It was like trying to do the Olympics. Math, science was just like pulling teeth for me. I couldn't make sense of it," said Sheffield, whose diagnosis of dyslexia in Grade 12 explained some of her challenges.

Horses, reading and writing were her escape from that world, she said.

"For me, it was an escape from

bullying, from my reality because life wasn't so great getting bullied every day," said Sheffield.

She was encouraged by an editor to start writing novels after penning an opinion piece on horse slaughter. Sheffield found online support and critique groups and endured numerous rejections from publishers before finding a Canadian publisher. She now works with two publishers.

She fits in writing on a laptop at the kitchen table when time permits, with winter allowing more time for such pursuits. She has been rewarded with awards and nominations and most recently, interest from a screenwriter in her recent apocalyptic romance.

One of her publishing houses recently sold to Simon and Schuster so Sheffield is hoping that opens up more opportunities, provides

more assistance with promoting the books and increases royalties by 20 to 30 percent.

Royalty cheques have grown from as little as \$20 every few months to money in the "three figures," she said.

She does much of her own promotion through blogs, websites and social media, often sharing details of her day-to-day work with horses with her 600 Facebook friends and 2,200 Twitter followers.

"My income is icing on the cake. It's the extra, it's certainly not something we could live on. It's my way of contributing and doing something that makes me happy," said Sheffield.

"It's important for farm wives to have a little something of their own."

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LOOKING BACK

# The ripple effect of war

Peter and Douglas Wilde recall their years in Europe and settling in Canada

BY BERNIE CRUIKSHANK  
FREELANCE WRITER

The darkness of war had descended on England in September 1940. The German Luftwaffe attacks on Liverpool, this incalculably important port city, were leaving significant collateral damage already.

This is the reality that the Jim and Elsie Wilde family faced. Jim was recently transferred to Grantham from North London and was well aware that more perilous times were ahead. An aunt in Canada had offered to take their sons, Douglas, 9, and Peter, 7, so the family completed the Children Overseas Reception Board application. Their sister, Pauline, was too old to qualify.

The British Parliament first discussed evacuation of children from high risk areas in early May 1940. Following the Dunkirk withdrawal of troops, CORB came into operation and from June to September, a total of 2,664 children were evacuated. Private agencies and companies sent another 14,000 away from danger but it was not without risks.

Standing on a wind-swept railway station at Grantham Lincolnshire waiting for the train to Liverpool, the brothers were dressed in their school uniform of a white shirt, grey jumper and short trousers and navy overcoat.

They carried gas masks with the obligatory name label attached. They were Douglas Wilde CORB No. 5339 and Peter Wilde CORB No. 5340 and each had a suitcase with the yellow CORB label affixed.

"We were going cross-country to Liverpool. I can't remember the goodbyes or much of the journey except for two things. We had a long stop in a tunnel not far from our destination, and reaching Liverpool we had to go into an air raid shelter due to a raid. We eventually arrived at our destination near the dock and were housed in a reception centre to await the CORB ship," wrote Douglas in *The Evacuee* memoir in 2003.

It makes no mention of how difficult it must have been for the rest of the family. Jim and Elsie must have felt great distress hearing of the sinking of the City of Benares as part of the convoy O B 213 that left on Sept. 13.

"The actual details of date of sailing and port of embarkation were not released due to wartime security. Our parents were in the dark as to whether we were on it or not. Remember, we left Grantham in early September and the report of the sinking was reported in the press on the 23rd September. Had it not been for our delay in the tunnel and the air raid in Liverpool, we would have been on the City of Benares," wrote Douglas.

Instead, they sailed on the Nova Scotia.

"Our names were found to have been added at the end on a supplementary list. When the facts of this discovery began to sink in, it was a weird and very emotional experience. To think that fate had decided we were literally to have missed the boat and made our journey some

eight days later," he wrote.

Life on board the ship, with just a few escorts, could have been like a strange vacation or an adventure. Without a lot of supervision and the company of other children, the days could have flown by if you weren't seasick or homesick.

The danger likely didn't seem real and the reality of the trip was only beginning to sink in for the brothers.

"We had been out some four days by this time, we had a call to boat stations. ... What we took for granted as another boat drill was in fact the real thing. A U boat 43 piloted by Capt. Ambrosius had torpedoed a ship called the Sularia. This was at 12.30 BST while she was sailing astern of us and some way behind. At our boat station and facing out to sea, we were looking at the hospital ship.

**I can vividly remember seeing a ship sinking in the distance.**

DOUGLAS WILDE  
THE EVACUEE MEMOIR

"In a matter of moments, it surged forward disappearing in the distance. Some time passed but what we saw next gave us a fright as, facing our boat station beyond and to the rear of where the hospital ship had been sailing, I can vividly remember seeing a ship sinking in the distance. This was probably the Eurymedon. It was hit by U29 with Capt. Schuart at 13.05 BST. We being a faster ship than many freighters in the convoy, we steamed off on our own."

On Oct. 31, British children ranging in age from five to 15 stepped ashore in Canada. Most were bound for Nova Scotia homes, with the two boys joining relatives in Winnipeg. They travelled by train on the Canadian National Railway line.

"We travelled in open carriages and went to the dining car for meals. We had individual sleepers (bunks) but used the general washroom. The curtained bunks were set length ways in the carriages

and were made up each night by Negro porters. This was quite a novelty as we had never seen a Negro before."

They arrived at Winnipeg on Oct. 7 expecting to stay with their father's aunt, Hilda Barton Smyth, and her husband at Eriksdale, Man. She was elderly and had been taken ill so they stayed in a hostel awaiting another placement.

Les and Blanche Kerr had read an ad in a newspaper that implored Canadians to take in evacuee children. Since they had no family of their own, they applied for one child. At the time, they were living in Morden, Man., where Les was the manager of the Morden Experimental Station. The site was one mile from town and gave the boys a taste of rural life as well as small town living in a tiny bungalow.

"On the domestic front, we had chores to do. In the winter when wood was delivered, it was dumped on the drive and we had to take it around the back to make a wood pile. Each morning, the ashes had to be removed from the stove.

"One winter morning it was my turn. I took the ashes, still hot from the night before from the stove taking them to the usual place behind the garage and dumped them in the snow. Apparently I put them too close to the garage, which was made of wood and some time later it caught fire.

"The Fire Brigade came and put out the fire, it was then discovered that our pet rabbits were not so lucky. They were in a cage just inside the door and had perished."

In the spring, the boys learned why windows were covered in muslin to prevent insects from coming into the house. The brothers were playing with matches and accidentally made a hole in the screen. Punishment followed and that led to the brothers being split up.

"I am led to believe we were not rude but mischievous and quite a handful to say the least."

Douglas stayed with Rev. and Mrs. Henstock in Carman until the arrival of a newborn forced another move. He landed in the Knowles Boys School in Winnipeg for a few months where he was able to visit with his father's



The brothers were keen to see a Canadian Mountie when they were transplanted to the Canadian Prairies from war-ravaged England in the 1940s. | WILDE FAMILY PHOTO

## Family reunites after 35 years

By Karin Melberg

During the Second World War, hundreds of young children were sent in an unprecedented move by the government, from the middle of the bombing in Europe to war-torn Canada and the United States. One such youngster, not quite eight years old, necessities, came into the lives of Les and Blanche Kerr of Saskatoon in 1941. Four years later, nearly 13, Peter Wilde returned to his real parents and a more peaceful England, leaving his surrogate parents, the Kerrs, behind.

It's been 35 years since Blanche Kerr watched her young son climb aboard the train for the last time and wave goodbye through the window. She thought that she would likely never see him again. Two weeks ago, however, she stood in the Saskatoon bus terminal and found herself watching a tall, grey-haired man of nearly 50 step off the Greyhound and heard him ask, "Mum?"

"We had kept in touch with cards on birthdays and Christmas," said Blanche, "but I never really thought we'd see little Peter again, but here he is." Wilde's first impression was "she's a lot shorter than I remember."

It was ironic that some weeks previous, Blanche had spoken with a Saskatoon man who had asked if, during the war years, she had taken in a young English boy. He was sure it must have been the one he used to play with after school on his grandfather's farm in Sutherland. That same day when Blanche picked up the afternoon mail, she found an air mail letter from England. Wilde, who is now a pilot with British Aerospace, wrote asking if he might come for a visit at the end of May. Blanche was overjoyed.

"I phoned England right away; I was so excited," she said. "When he did arrive, he came by bus from Calgary. I had studied his wedding picture before I left the house so I knew what he looked like. When he got off the bus, we just looked at each other for a minute but it didn't take long to catch up. I said, 'Peter?' and he said 'Blanche!'"

The Kerrs had read an ad in a 1941 newspaper which implored Canadians and Americans to take in "evacuee" children while the war was endangering their safety in Europe. Since they had no family of their own, the Kerrs applied for a child.

"I remember it was all a very big deal," recalled Wilde, who now has a 17-year-old son of his own. "My brother, who was two years older, and I were together although we went to separate families once we arrived. I

devaluated that there were no Mounties in sight. We had heard so much about them and we just thought we were with some around which we got off the train." The two boys did not know their real parents' names until they were taken to a meeting in the middle of the month to be taken to their real parents and the first Mountie they came across. The photo was proudly sent home to England.

After two years in Manitoba, Les Kerr was transferred in the Forestry Service to Sutherland, near Saskatoon. The Kerrs had to obtain special permission to move their evacuee son.

"I suppose a certain number of evacuees were assigned to each province and the States," said Blanche. "They had to know where each child went so they could send him home again when the war was over."

Wilde, who celebrated his eight birthday two weeks after arriving in Canada, says his memory of the first few months in a Sutherland country with a real set of parents is vague.

"I seemed to fit in quite well as I recall," he said. "It became a normal parent-child relationship very shortly." Wilde returned to England in 1945 and eventually joined the RAF where he stayed for 23 years. Since the end of the war, he had allowed scheduled rights to Canada's east coast and to the States, but never for enough visits to visit his old parents. The Kerrs had received a letter from Labrador in which he wrote, "So near and yet so far..." and said he hoped someday he would be flying further west.

"Les had always told me to go to England and see Peter," said Blanche. "But it was always just too far away. Les has a cabin at Emma Lake and doesn't like to go too far from there." Wilde agreed that it was something that he, too, had thought of often.

"My wife Pam had been pressing me to go to Saskatoon for years to see Les and Blanche again," he said. "Finally, the corporate aircraft I fly was having some engine work done and was out of commission for a couple of weeks so I said, 'Right, it's time to go before we all get too old!'"

Wilde's own son, Mark, who has climbed in the Alps was also eager to come and see Canada's famous moosehorns and to meet the "Granma" he had heard so much about. "Unfortunately, he's right in the middle of year-end exams and just couldn't get away."

The Kerrs attempted to contact old school friends of Peter's, but even after going through old photo albums, it was difficult to remember names after nearly two decades.

"Harold Dunlop is really the only name I could remember and he was away when we

and an old friend of Blanche's who hasn't seen since 1941. "Perhaps," said Blanche, "it's our old photo albums, endless cups of tea and each of them saying 'over and over.'"

"Remember when...?"

After leaving Saskatoon, Wilde headed for Winnipeg to see a relative of his real father.



"She's shorter than I remember," jokes an evacuee who...



The Saskatoon Commentator newspaper clipping featured an article about the Wilde-Kerr reunion in 1981 in Saskatoon.

LEFT: A Christmas postcard from the Kerr family to the Wildes in England, Dec. 1941. | KERR FAMILY PHOTO

For more information, visit <https://equipoiselife.wordpress.com>.

cousins and their sons.

The next stop was with the Rowe family in Manitou.

The brothers were not allowed to see one another because it was considered disruptive.

By the spring of 1942, Les accepted a job at the Sutherland Forest Nursery Station in Saskatchewan so the Kerrs had to obtain special permission to move their evacuee.

Peter spent time hunting with Les, riding ponies and going to school in Sutherland. The bond between Blanche, Les and Peter grew strong during this time.

By January, 1945, the war was winding down and the evacuees were starting to return home.

"The journey took three days and two nights on a Pullman to New York via Montreal where we changed trains.... The ship we were to sail in was the New Zealand Shipping Line M.S. Rangitara, 16,000 tons. We set sail on Feb. 2 and disembarked at Liverpool on Feb. 14 1945.... On the approach to the dock at Liverpool, coming up the River Mersey one thing that is a very clear memory was that the water was a murky yellow. This was in complete contrast to the crystal clear waters in the rivers in Canada."

In England, Douglas waited for his father, who arrived in uniform to take him home.

Douglas returned home earlier than Peter but they both faced challenges with a return to the English school system. Peter arrived home as the school year started and never had a chance to reconnect with his siblings.

"This then started me back on the process of readjustment to a still wartime Britain and the way of life

that I had left behind four and a half years before.... My parents arranged an appointment at the Kings School — the local grammar school. The place was quite foreboding, going into a cobbled quadrangle, which was enclosed by stone buildings with leaded windows. Inside the corridors were long and dark. I was taken to a room in which I sat alone and carried out some tests.

The upshot of which was that my Canadian education was not compatible with that in England. For example, up to the point of leaving Canada, I had not taken any English history, only Canadian."

In 1981, Peter returned to Canada for an emotional reunion with Blanche and Les. Six years later, as a widow, she travelled to England to see him, his wife, Pam, and son, Mark, and met his mother. During the visit, Blanche revealed that she had wanted to keep the brothers together but Les was a hard man and his will prevailed.

Peter became a navigator and spent 24 years in the Royal Air Force. He then became a pilot and logged 8,700 hours in more than 40 aircraft. He rarely talked about his experiences to his son, Mark, but after his death Mark found many mementos.

Douglas also returned to visit Canada, visiting his relatives in Manitoba as well as the other families he stayed with during his time as an evacuee. He joined a local engineering firm, worked as a fitter and served in the RAF.

Peter and Doug Wilde returned to England but Canada, its people and spaces, had a corner in their hearts and minds. The ripple effects of war are still felt within their family circles today.

TOTALLY CANADIAN

# Maple syrup — sweet, flavourful and good for you

## TEAM RESOURCES



SARAH GALVIN, BSHEC

**M**aple syrup is a pure, natural sweetener with the only other liquid natural sweetener being honey.

Maple syrup is a good source of riboflavin and manganese and has the trace minerals potassium, magnesium, phosphorus, iron and zinc.

Canada supplies about 80 percent of the world's maple syrup, and 90 percent of the Canadian syrup comes from the 10,000 farms in Quebec.

However, long before our country was colonized, the indigenous peoples were using maple syrup for curing, cooking and medicinally.

McGill University in Montreal recently released results of its study on the effects of using maple extracts with antibiotics.

Nathalie Tufenkji's research team is finding that 90 percent fewer antibiotics are needed when paired with maple to achieve the same antimicrobial results.

Tufenkji says other products are on the market that enhance the effectiveness of antibiotics, but maple may be the only natural one.

Warm days and cold nights below freezing start the flow of sap. The sap flow usually stops when nighttime temperatures go above freezing.

The later you go into the season, the darker the syrup becomes.

Light syrups are preferred for maple sugar and maple cream.

The season usually lasts four to six weeks in Canada and ends in April.

The maple syrup industry is not escaping the effects of global warming.

Montana State University assistant professor Selena Ahmed, who is looking into these effects, says producers are collecting less light coloured syrups and more dark and amber syrups during the warm years.

Canadian maple syrup has two grades — Canada Grade A and Canada Processing Grade — and four colour classes: golden with a delicate taste, amber, dark and very dark with a strong taste.

The only difference between maple syrup and other maple products is the amount of moisture. All the products are pure maple.

The maple water is boiled to 104 C (219 F) to make syrup, while maple butter is formed when it reaches 112 C (234 F) and contains 86 to 87 percent sugar.

Maple taffy is boiled until it reaches 113.8 C (237 F). Makes snow taffy at home by boiling it to this temperature and then spooning it over snow to cool.

The syrup has only three to four percent moisture left by the time it reaches 123.3 C (254 F) and is made into granulated maple sugar.



**TOP:** Indulge with maple butter tarts or apple cake drizzled with maple cream. | SARAH GALVIN PHOTOS

**ABOVE:** A simple grilled peanut butter and banana sandwich becomes a special treat with a generous serving of maple syrup.

**LEFT:** The best syrup is still made in the traditional way with a wood fire to boil down the maple water into syrup. Gabriel Morin tends the fire at Erabliere Maurice Jeannotte near Montreal. It is then filtered, tested for water content and tasted before packaging.

### TARTER AU SUCRE (SUGAR PIE)

2 c.	maple sugar	500 mL
1 c.	heavy cream	250 mL
	store bought pie shell or homemade	

Cook maple sugar and cream over low heat for 15 to 20 minutes and then let cool. Pour into a pre-baked crust and bake at 375 F (190 C) for about 40 minutes.

<b>Pastry</b>		
1 1/2 c.	flour	375 mL
1/2 tsp.	salt	2 mL
1/4 c.	butter	60 mL
1/4 c.	shortening	60 mL
2 tsp.	sugar	10 mL
1	egg	

Heat oven to 350 F (180 C). Mix dry ingredients together. Cut in the butter and shortening until crumbly. Lightly whip the egg and add to dry ingredients. Gently mix until the dough comes together.

Knead one or two times. Chill.

To bake, roll pastry a little larger than the pie pan. Fit into the pan and trim the edges. Lightly prick the pastry all over with a fork. Bake for about 15 minutes or until lightly browned. Remove from the oven and cool before adding the filling. Adapted from Erabliere Maurice Jeannotte.

### ONE BOWL APPLE CAKE WITH MAPLE CREAM

2 c.	finely diced, peeled and cored apples	500 mL
1 c.	sugar	250 mL
1/4 c.	vegetable oil	60 mL
	1 egg	
1 tsp.	baking soda	5 mL
1 tsp.	cinnamon	5 mL
1/4 tsp.	salt	1 mL
1 tsp.	vanilla	
1/2 c.	chopped walnuts	125 mL
1 c.	flour	250 mL

Heat oven to 350 F (180 C). Add diced apples and sugar to a

large bowl. Let stand for about 15 minutes. Pour in oil and egg. Stir. Add dry ingredients. Stir.

Add vanilla and walnuts. Stir. It will be quite stiff.

Pour into a well greased and floured eight inch (20 cm) square pan. Bake for 45 minutes.

Cool in pan for 10 minutes on a cake rack.

### MAPLE CREAM

1 c.	maple syrup	250 mL
1/2 c.	heavy cream	125 mL
1 tbsp.	butter	15 mL
	pinch of salt	

Boil until it reaches 240 F (115 C) or the soft ball stage. Stir in butter and a pinch of salt. Cool. Serve at room temperature or warm slightly. Store in the refrigerator.

### MAPLE BUTTER TARTS

12 purchased tart shells or homemade pastry

1 c.	raisins or walnuts, optional	250 mL
3	eggs	
1 c.	maple syrup	250 mL
2/3 c.	brown sugar, packed	150 mL
1/3 c.	butter, melted	75 mL
	pinch of salt	

Roll out pastry and cut into 12 circles and place in tart tin. Sprinkle raisins or walnuts in the bottom of each tart.

Beat together eggs, maple syrup, brown sugar, butter and salt. Pour into unbaked tart shells, about two-thirds full.

Bake at 375 F (190 C) for 20 to 25 minutes, until set.

Cool five minutes and remove from pan.

Sarah Galvin is a home economist, teacher and farmers' market vendor at Swift Current, Sask., and a member of Team Resources. She writes a blog at [allourfingersinthepie.blogspot.ca](http://allourfingersinthepie.blogspot.ca). Contact: [team@producer.com](mailto:team@producer.com).

VIRAL OR BACTERIAL INFECTION

## Causes of sore throat

### HEALTH CLINIC



CLARE ROWSON, MD

**Q:** How can I tell if I need antibiotics for a sore throat? How can I tell if it is strep throat?

**A:** Most sore throats are usually the result of a virus infection, not an infection from a bacterium such as the streptococcus. Many colds and flu infections start with a sore throat, but you will know within a day if you develop other symptoms such as a runny nose and sneezing.

Some sore throats are the result of a postnasal drip from seasonal allergies or they may be the result of dry air. In most cases, a sore throat will get better without antibiotics in a week or less.

Throat lozenges, sprays and painkillers or anti-inflammatory medicines such as ibuprofen or Aspirin can help. Doctors prefer that you avoid taking antibiotics too often.

That can lead to organisms developing antibiotic resistance so that it becomes increasingly more difficult to find antibiotics that work.

If you have a sore throat with no accompanying cold symptoms, you or your doctor should take a look at the back of your throat for signs of pus or yellowish exudate. If you still have tonsils, they may be red, swollen and painful.

There could also be enlarged and tender lymph nodes in your neck. These signs are often accompanied by a high fever.

Sometimes strep throat gives you a bright red rash, which could be scarlet fever. This is not as serious as in the days before antibiotics, but it does require treatment with those medications.

Untreated strep infections can also lead to rheumatic fever, which can affect the heart valves, or a kidney disease known as glomerulonephritis.

In children, strep throat can sometimes lead to a condition known as pediatric autoimmune neuropsychiatric disorders associated with streptococcal infections. These disorders include obsessive-compulsive disorder, tics or involuntary sounds or movements, irritability and nervousness.

The doctor's office may have a quick lab test available to determine if the strep bacterium is present. However, this does not work for all cases, so it may be necessary to have a throat swab sent off to the laboratory.

The results should be back in a couple of days. If you do have a strep throat, it is infectious, so stay home from school or work for a few days.

Wash your hands frequently and don't share dishes or utensils. You should also get a new toothbrush once the infection has cleared up, usually in 10 days.

Clare Rowson is a retired medical doctor in Belleville, Ont. Contact: [health@producer.com](mailto:health@producer.com).



TREE TRIMMING | Workers at Sandu Farms in Summerland , B.C., prune cherry trees April 19. | TERRY FRIES PHOTO

### BOOK REVIEW

## Reader follows author's growth after challenges

### PRAIRIE CHAPTERS



CHRISTALEE FROESE

Saskatchewan author Sharon Butala takes readers along with her on the journey to find a new place to live.

After 31 years of toiling to make the rolling hills, pastured prairie and natural landscape of southwestern Saskatchewan home, Butala is forced to yank her life out at its rural root and head back to the city as a widow.

In her newly released memoir, *Where I Live Now*, we revisit Butala's two most transformative love affairs, the one with her now deceased husband, Peter, and the other with Peter's beloved prairie near Eastend, Sask.

When she first meets her husband and moves to his isolated ranch, she endures killing winters, baking summers and constant winds on the 13,000 acres of Butala land.

We watch her grow to love this desolate part of the world and all the things she will eventually know, including the call of a coyote, the shapes of the dark night's constellations and the ebbs and flows of the running waters of the coulees.

We witness her learn to ride a horse, drive a farm truck through gumbo and try to fit in with the women of her small community.

Through it all, she develops a reverence for rural life bordering on religious, in which Peter is her saviour and the surrounding land forms part of her backbone.

"...I would lift my eyes and gaze out across the acres of grass empty of people and buildings all the way to the distant horizon, feeling the wind playing around me, it rarely stopping unless at sunset or at sunrise, when the world seemed to be catching its breath to pause in wonder, as I was, gazing at the luminescence of land and sky.

"Living in the bosom of nature all their lives, I thought, how could

rural people not be fully aware, even in their blood and bones, of the mystery of human existence?"

For all the hard-fought connections that Butala develops with her surroundings and the people in it, she is forced to leave when Peter passes.

In both her former life as a rancher's wife and her new one as an urban widow, we see Butala struggle with the age-old narrative of isolation. The difference is, as a 36-year-old new wife, she was able to adapt to her surroundings, but in this demoralizing stage of widowhood, she labours.



***I had lost the courage for life I had developed in the country. For a city newcomer like me, neither young nor daring, every day is made of difficulties, buying your breakfast cereal or a new pair of shoes, getting your glasses fixed or going to a friend's house to visit.***

SHARON BUTALA  
AUTHOR

Rural retirees will relate to Butala's honest words, whole-hearted confessions and genuine distress at having to pull up stakes at age 68 and conform to a new shape to fit into Calgary's urban setting.



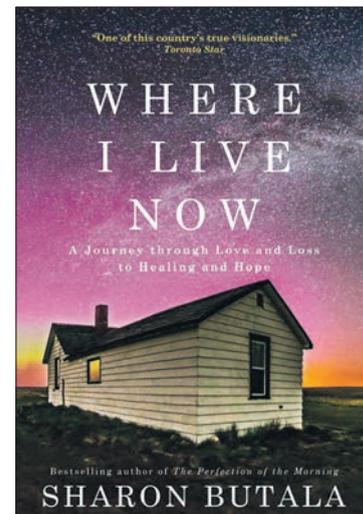
SHARON BUTALA  
AUTHOR

"I had lost the courage for life I had developed in the country. For a city newcomer like me, neither young nor daring, every day is made of difficulties, buying your breakfast cereal or a new pair of shoes, getting your glasses fixed or going to a friend's house to visit."

We get the sense that what Butala is really looking for is a way to replace the loss of her husband, the fading of her youth and the nature-infused life in rural Saskatchewan she grew to love so passionately.

"Though the mouse-free place in which I now live turned out not to be paradise, I have my past to bolster me, those long years on the prairie with Peter that I cannot ever abandon."

Butala, in her powerful descriptions of the world around her, eventually brings Calgary to life in her own way, assuring the reader that reclamation of her fiery and adaptive true nature will always be available to her.



NEIL SPEERS PHOTOS

"I believe that once you find yourself—your real self—still there inside that old-woman exterior, and you begin to see yourself as alive and, indeed as worthy of a life, a real life (instead of living in a steady state only as a person nearing death), that drabness will slowly disappear as the spirit flares up again."

You'll want to read *Where I Live Now* whether to witness the extraordinarily peaceful and natural rural life Butala once lived, or to discover how she finds the strength to carry on in her new urban one.

Christalee Froese is a freelance journalist from Montmartre, Sask. Contact: [chapters@producer.com](mailto:chapters@producer.com).

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# LIVESTOCK

## AS THE WORM TURNS

Gastrointestinal parasites in cattle can quietly and invisibly hinder weight gain in stock cattle. A parasitologist has advice. | **Page 24**



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MANITOBA HOG INDUSTRY

## Council offers help to pork producers

Organization eager to help get new hog barns approved and built

BY **ED WHITE**  
WINNIPEG BUREAU

Manitoba's pork industry organization is taking steps to make sure future hog barns are approved.

It knows that there is a long journey between a farmer's desire to build a barn and seeing concrete and steel installed out in the country.

"It's going to be a major exercise and we're going to need everybody's help to do that," Manitoba Pork Council general manager Andrew Dickson said during the organization's annual meeting April 5.

"We're going to go out as a council and try to get out to communities and try to talk about the potential benefits of the industry to that community."

The council is expecting dozens of new barns to be built in coming years as the hog barn moratorium ends, but it doesn't expect that to be an easy process for producers.

Manitoba's environmental, siting and approvals processes are complicated and challenging, and farmers need to do everything right to get a green light for a project.

However, beyond meeting requirements, hog producers also need to convince local councils and people that having hog barns in their area is good for the local community.

Dickson said Manitoba is built upon a belief that community opinions matter, so the hog industry needs to ensure that local people near proposed barns come to feel that having hog barns in the area will help them.

"At the end of the day, we must retain that confidence," said Dickson. "We have to have support from our communities to build these structures in the communities. We can't just plonk them down.... It's not going to work that way."

The council is adding staff to help farmers assess what kind of barns will work with current and future regulations and help negotiate the multi-pronged process of getting a new barn approved and built.

Moving from the moratorium's period of stagnation to widespread replacement and renovation will demand a lot of work.

"It's not going to be just one or two barns when this thing starts to get going," said Dickson.

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Alfred Sattler visits one of his Texas Longhorn crossbreds, a result of a 15-year selective breeding project on his Regina farm.

| KAREN BRIERE PHOTO

CATTLE BREEDING

## Calving ease found in Longhorn

Breeder looking for low birth weight calves found success in crossing Herefords with polled Texas Longhorns

BY **KAREN BRIERE**  
REGINA BUREAU

A close look at the cattle on Alfred Sattler's farm reveals something just a little different.

They're red and they're polled, but their heads and fronts are narrower and their frames smaller than other breeds.

For Sattler and his wife, Vicky, these cattle represent 15 years of work to produce a small herd of polled Texas Longhorns.

"I had a lot of fun doing it," Alfred said.

However, he had a very good reason for his breeding project.

The Sattlers have operated Regina View Farms just south of the city for 50 years and have not shied away from innovation.

They began with purebred polled Herefords in the early 1960s and introduced purebred Simmentals in the 1970s to produce big, crossbred calves.

"I was ahead of my time then," Alfred said.

He also liked the solid-coloured heifers that resulted from crossing Simmental with Red and Black Angus.

However, Vicky said he was laughed out of the barn when he took them to a sale.

"Now you go in a barn and you can't tell Black or Red Angus,

Simmental or Limousin," she said. "Everything is red and black."

Eventually they decided to focus strictly on commercial cattle, using Red Angus bulls to breed replacement Hereford heifers.

Alfred said that worked well for about six years.

However, the trend to use bigger bulls to get bigger calves didn't sit well with Alfred. Too many herds were experiencing calving problems, and he thought there had to be an easier way.

**A small live calf at birth is worth a lot more money at weaning than a big dead one.**

**ALFRED SATTLER**  
POLLED TEXAS LONGHORN BREEDER

"I started looking for low birth weight bulls," he said.

All signs pointed to Texas Longhorns.

"Our son, Paul, he didn't want to hear about it," Alfred said. "So I waited one year."

A Texas Longhorn was found before the next calving season was over, and the Sattlers were pleased with the results.

However, they didn't publicize

what they were doing.

"I didn't want the buyers to know my calves were half Longhorn," Alfred said.

They found initially that heifer calves were all polled on the first cross, and the bull calves were half and half.

They also obtained the calving ease they wanted.

One Hereford heifer delivered a calf presenting with the head, one back leg and one front leg without assistance. Another delivered a backward calf the same night.

"You don't use a calf puller at all," said Vicky.

The calves range from 60 to 70 pounds and are up and nursing quickly.

Vicky said the udders of the female crosses are strong and compact with teats to the side and "will last for years."

The first crosses were red with white faces, but subsequent breeding has resulted in solid red calves with a decent hair coat.

The calves are smaller when sold — about 450 lb. compared to 550 lb. for other breeds — but Alfred said they can live with that.

"A small live calf at birth is worth a lot more money at weaning than a big dead one," he said.

Selective breeding over the years has resulted in 15/16 polled genetics. He has brought in new bulls

and held back heifers to keep working toward that goal.

They sell the percentage bulls, which Vicky described as looking like finer-boned Red Angus. They have a couple of two-year-old polled 15/16 bulls and a three-year-old, which they have used on their own cows.

Alfred said they could sell more bulls if they had them, but they sell quickly by word-of-mouth. Customers have reported that using a percentage bull on Angus or Hereford cows has produced tremendous calves, he said.

They cull 7/8 calves, and Alfred said he doesn't complain when spotted and horned calves bring a lower price because his goal is the polled herd.

Thirty-one females are calving this spring: 19 cows and 12 heifers.

However, even as Alfred obtained the calving ease he was after, he and Vicky find that their age is catching up to them.

Their son looks after their main commercial herd at his own operation southeast of Regina. They hope to find someone who would take over the Texas Polls and carry on the project.

"It's too much for the two of us now," Vicky said.

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## WATER ACCESS

# Troughs key to cattle preference, conservation

Water doesn't get the respect it deserves in managing herd health, says expert

BY WILLIAM DEKAY  
SASKATOON NEWSROOM

If you lead or direct a cow to clean water, it will usually drink faster and grow better.

The best way to make that happen is with an off-site system like a water trough, say experts.

"When given a choice, cattle will drink from a trough eight times out of 10, even if they have access to surface water," according to information on the Cows and Fish website, managed by the Alberta Riparian Habitat Management Society.

Lorne Fitch, provincial riparian specialist with the society, said water is one of the most important nutrients for cattle, a fact many producers overlook.

"Water is perhaps not given the priority it should be given. Obviously, forage resources and the ability to balance the landscape and what it grows with grazing and leaving enough behind to ensure that things like nutrient recycling and moisture retention and erosion prevention are happening is crucial.

"But it's also that balance between forage consumed and how much water is required in the digestive process," he said.

Gerald Vandervalk ranches with his family near Claresholm, Alta. They were awarded the 2016 Environmental Stewardship Award from Alberta Beef Producers.

Vandervalk thinks water quality is becoming more top of mind for many producers for two reasons: better cattle health and improved conservation.

He said a local co-operative-owned herd of 800 heifers has seen major improvement after the recent installation of a gravity-fed off-site water system.

"The health of the herd as far as treated animals has drastically changed: everything from foot rot to just sickness," he said.

"On a year like last year where it was so dry that these water storage areas were so low, that if the cows had access it would have been a mess. One cow goes in to take a drink and another one goes a little farther in and the next thing is they're walking out to the middle and then the whole thing is a big mud hole."

Fitch said a cow eats about 12 kilograms of dry forage a day and requires 40 to 60 litres of water to digest that forage.

While water quantity directly affects livestock performance, quality of water is perhaps even more important.

Fitch said livestock prefer to drink clean water and quality should be a prime driver behind livestock productivity.

Several research studies by Agriculture Canada suggest cattle gain more weight when clean water is available to them in a trough system compared to watering directly from a pond or dugout.



FILE PHOTO

Dry or bred cattle require 23 to 57 litres of water per day  
Lactating cows require 37.9 to 75.7 litres of water per day



LORNE FITCH  
ALBERTA RIPARIAN SPECIALIST

"In other words they're putting on more beef and that translates into more money," Fitch said.

Cattle that drink clean water spend more time grazing and ingest more forage.

"If you watch livestock, particularly if they're drinking out of surface sources that are muddy or permeated with urine and feces, it takes them a long time to drink because I don't think they sense that it is very potable," said Fitch.

"They know they have to drink but they don't want to, so they spend a long time in the process. Of course the longer they spend drinking, the less time they spend grazing."

According to Cows and Fish, yearlings could have a 23 percent weight gain using clean water in a trough system compared with direct access to dugouts or ponds. Pumping water to a trough from a dugout produced three percent

greater weight gains because water quality does not change much.

While he said it has never been tested, Fitch believes cattle preference for troughs is a combination of water quality and location.

"It could be that a trough situation provides them better footing. They don't have to slog through mud, as an example. And it could be something about the genetics where if you're in a stream with your head down, you're subject to more predation," he said.

"I suspect there are some wild remnants in cattle that still dictate a safer place to drink is the one that will be chosen. If you're up at a trough, your head is up and you can

scan the landscape."

A key advantage of pumping clean water away from the source is protection of riparian areas.

"Often it's the place where the shade is and sometimes the lushest forage. As a consequence, cattle tend to hang out in riparian areas too long, overuse them and that's when riparian areas and many of their key ecological functions and benefits start to deteriorate," he said.

Key ecological functions include erosion prevention, allowing water to seep into groundwater for future use, dealing with overland flow, forage production and biodiversity.

"About 85 percent of our fish and

wildlife species depend in whole or in part on that little piece of the landscape called riparian," Fitch said.

"So it fulfills a whole bunch of functions that we may not realize and dealing with cattle distribution through off-stream water development is really one of the fundamental ways of ensuring that we can protect those ecological functions."

Changing livestock distribution will improve the vegetation in the riparian fringe, which is where most filtering takes place.

Vandervalk saw this first-hand when he fenced off areas of dammed coulees where his cattle used to drink.

"I just look at the banks around the dams, and vegetation is starting to grow and come back. They look like little wildlife preserves."

However, he said there are advantages to riparian areas if cattle have short-term access.

"It's been shown if you don't do any grazing, the varieties of grass that end up there ... weeds like Canada thistle start coming in. I think the grass needs to be grazed just to keep it growing and healthy and all the old plant material taken down," he said.

"So when the cows are only in there two days at a time, you really can't see any damage to the creek banks."



Gerald and Patricia Vandervalk operate VXV Farms. They have taken steps to improve water quality and conserve riparian areas by allowing cattle only short-term access. | FILE PHOTO

## WATER FACTS

Livestock behaviour research in the Kamloops, B.C., area studied how water influences cattle behaviour.

- Proximity to water is the most important factor determining where livestock are distributed. This means water is the most effective tool at manipulating livestock behaviour. Although cattle will travel three to four kilometres for water, it is recommended that they have water within 1.5 km in gentle terrain and less in steeper terrain. In general, studies have shown that cattle tend to spend most of their time within about 300 metres of water. (DelCurto et al. 1999)

- The amount of time cattle spend drinking depends on water source, water quality, taste and weather. Time spent drinking can vary from three to six minutes per day to 26 minutes per day. (Veira, D. and Liggins, L. 2002)

- The water requirements of cattle vary with weather conditions and the physiological state of the animal.

Source: Kelsey Spicer-Rowe, riparian specialist with Cows and Fish

## DISEASE PREVENTION

# Parasite control key to making cattle profitable

BY BARB GLEN  
LETHBRIDGE BUREAU

They're tiny but mighty, and able to steal profits from cattle producers while remaining invisible.

They are gastrointestinal parasites, primarily roundworms, and they can reduce cattle appetites and corresponding weaning weights if left unchecked.

"You see very little sign of them quite often, but the impact is a loss of production," said John Gilleard, a professor of parasitology at the University of Calgary.

"It's an invisible kind of stealer of profit."

Though there are various kinds of cattle parasites, the lowly roundworm presents the main problem in cattle, he told those on a recent webinar organized by the Beef Cattle Research Council.

A small parasitic load is expected but control is important to avoid production losses.

"It's actually normal for livestock to have parasites. They are part of normal gut flora and when animals are grazing they will have some level of infection," he said. "We're just trying to keep them down to a level where you don't see any ... production impact."

That impact can occur because a heavy load of roundworms affects cattle digestion and absorption of nutrients, said Gilleard.

Roundworms also suppress appetite so animals reduce their grazing and gain less weight even

though they don't look sick.

Controlling roundworms has become more complex with the worms' resistance to ivermectin and related pour-on treatments, Gilleard said. Now such treatments are only partially effective and may become useless unless they are used judiciously in the future.

"It's only going to get worse as we continue on in this vein," he said.

A more targeted approach is needed and the strategies involve the measures on this list:

- grazing management
- monitoring worm burdens
- responsible use of dewormers
- biosecurity
- selective treatment

## Grazing management

Gilleard said about 90 percent of the larvae are in the bottom four inches of grass. About 75 percent are in the bottom two inches, so it's important to move cattle before the grass gets too short.

This means stocking density has a major effect on roundworm parasite levels.

Larvae will aggregate where cattle spent a lot of time, and parasites can survive for months on pasture. That means a rotational system that puts cattle in the same place within a few months won't necessarily reduce parasite ingestion.

## Monitoring worm burdens

Fecal egg counts are a proxy for

learning parasite load but don't provide a precise measure. However, doing a count on a regular basis can help producers understand the status and show whether treatment has been effective.

Gilleard recommended collecting warm, steaming feces from about 20 animals. Keep the material cool but not freezing and send it to a lab for testing.

Sampling in the fall will indicate whether any control measures have been effective, and indicate risk of heavy parasite loads in the coming year.

## Responsible use of dewormers

"We need more interactions between veterinarians and producers," said Gilleard about controlling resistance to common treatments.

Veterinarians can ensure the correct product is used on the right animal at the right dose and given at the most effective time.

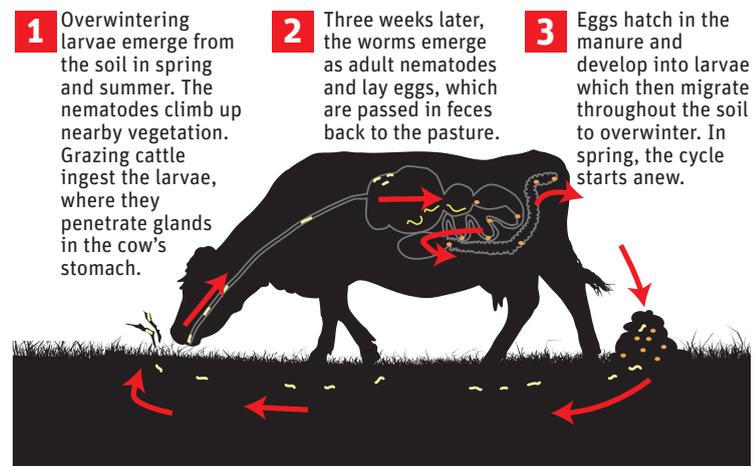
There are two major drug classes to control cattle parasites. Macro-cyclic lactones include ivermectin and similar products that control internal and external parasites.

Benzimidazoles work against internal roundworms only and no resistance has been found so far, said Gilleard. Using a combination of treatments can maximize effectiveness and slow the development of resistance.

Cows, stocker cattle and feedlot cattle have different needs in terms

## HOW GASTRO-INTESTINAL NEMATODES INFECT CATTLE

Tiny worm-like parasites called nematodes can be found almost everywhere and use hosts such as cattle to perpetuate their breeding cycles. Here's how it happens:



Source: University of Calgary Faculty of Veterinary Medicine | MICHELLE HOULDEN GRAPHIC

of treatment, so ensure it is right for the animal, he cautioned. Dose should be based on weight, or at least on the heaviest animal in the group being treated.

Under dosing is a risk because it promotes parasite resistance to the treatments. As for timing, Gilleard said fall ivermectin treatments "cannot be assumed to provide good roundworm control."

## Biosecurity

Cattle new to the herd should be treated to minimize the risk of introducing new parasites. Getting

fecal egg counts from introduced animals might also be useful.

## Selective treatment

About 80 percent of the parasites in a herd will be within 20 percent of the animals, said Gilleard. Leaving some cattle untreated can reduce selection pressure on the treatments and slow development of resistance.

He recommends leaving 10 to 20 percent of the herd untreated, but choose the ones in best condition.

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## EQUINE DISEASE

# International horse trade raises risk of infectious disease

## ANIMAL HEALTH



JAMIE ROTHENBURGER, DVM

For centuries, people have taken their domestic animals, and the diseases they carry, around the world. Spanish conquistadors brought herds of horses on ships from the Old World to North America.

Those that escaped or were set free became the founding populations of the familiar North American breeds including the feral mustangs, Appaloosas, Paints and Quarter Horses.

In modern times, air travel has allowed for more efficient horse movement. Each year, thousands of horses fly around the world to new homes, competitions, for breeding purposes and the horse meat trade. A single horse can travel the world in less than two days in specialized cargo airplanes that accommodate portable horse stalls.

On an international scale, large equestrian events such as the Olympics and various world championships necessitate the movement and gathering of horses from around the world.

Closer to home but much more frequently occurring, horses and owners cross the Canada-United States border to reach equine competitions on either side of the 49th parallel.

In addition to competition, horses are also moved locally, nationally and internationally when sold and for breeding.

When large groups of animals come together, there is always the risk of infectious disease spread. This was highlighted by the 2011 outbreak of equine herpes virus-1 after a cutting horse event. Nearly every year, vesicular stomatitis rears its head, mainly in the southern U.S., causing event cancellations and disruptions.

The risk of infectious diseases is why many events take precautions to reduce disease spread. This often includes proof of a negative test for equine infectious anemia (also known as swamp fever), a deadly viral infection of horses that has no vaccine and no treatment.

Even horses that show no signs of illness can present risks. Inspectors and horse owners may miss the sub-clinical infections, yet these horses may be spreading pathogens.

A review of infectious diseases spread by international horse movements by Morgane Dominguez of the World Organization for Animal Health (OIE) and colleagues in the *Equine Veterinary Journal* revealed some intriguing findings.

When diseased horses were imported, more than 80 percent were not detected in post-arrival quarantine. Of those, roughly half resulted in spread to local horse populations. The most commonly imported diseases were equine



At horse events, owners must take steps to limit contact with other horses and avoid communal water buckets. | JAMIE ROTHENBURGER PHOTO

influenza and contagious equine metritis.

The instances of disease importation were the result of horses moved permanently across the border or when horses were moved illegally. None were associated with temporary events involving racing or show jumping competitions.

## Many events require proof that a horse does not have swamp fever

Canada has strict importation requirements for horses to keep certain diseases out. All horses of breeding age must be tested for contagious equine metritis if the disease is present in the horse populations of the country of origin.

This reproductive disease and others like equine piroplasmiasis are reportable, meaning veterinarians and owners have an obligation to report suspected cases to the

Canadian Food Inspection Agency.

Whether moving horses locally or internationally, horse owners and competitors should observe the regulatory and competition measures to reduce disease spread.

Horses with outward signs of illness should be kept home. Individuals can also practice infectious control by vaccinating. Breeding animals can be screened for certain sexually transmitted infections.

At horse events, those caring for animals can limit contact with other horses, thoroughly wash equipment and avoid communal buckets and water troughs.

It is a good idea to segregate horses that have travelled off the farm from the rest of the herd for at least two weeks and prevent nose-to-nose contact. These precautions can reduce the risk of health problems.

Dr. Jamie Rothenburger is a veterinarian who practices pathology and a PhD student at the Ontario Veterinary College. Twitter: @JRothenburger

## CONSUMER SURVEY

# Meat purchases linked to views on animal care

BY BARBARA DUCKWORTH  
CALGARY BUREAU

LEDUC, Alta. — Most people have set ideas about how animals should be treated, and that influences their decisions to eat meat.

Wide ranging surveys of thousands of Canadians since 2012 show that people do not change their basic beliefs, said agricultural economist Ellen Goddard of the University of Alberta.

Researchers often use an animal attitude scale to test beliefs about whether animals should be used as food, rodeos, and hunting for food or sport, she said at last month's Alberta Farm Animal Care annual meeting in Leduc.

Those attitudes are a predictor of how people respond to questions about their eating decisions.

The surveys asked if people eat meat, if they buy meat and what their preferences are for meat with particular attributes such as antibiotic free or welfare friendly.

Her team also surveyed people to see if they care if genomics are used to produce food animals.

People said they would buy meat produced from pigs selected to develop higher levels of disease resilience and feed efficient cattle that emit lower greenhouse gas emissions. However, other responses showed people did not like vaccinations or use of antibiotics to treat disease in farm animals.

When asked about the use of antibiotics in livestock, many considered it a black and white issue and were not well-informed.

"There is a huge gap between what the public knows and what people in this industry know about the use of antibiotics," she said.

"The public has completely lost the plot on the fact that there could be very good reasons for using antibiotics in livestock production."

Concerns about antibiotic resis-

tant bacteria affecting humans have generated new regulations around the use of these products globally.

"We have been so captivated by the negativity around the antibiotic resistance issue that people are scared about the potential of going to the hospital and having something that couldn't be treated because they had one of these antibiotic resistance bacteria."

More are saying antibiotics should never be used even for medical conditions because these products should be protected for treating people.

"I really worry that we are going to affect animal welfare through this kind of belief," she said.

Additionally, it may not be ordinary consumers who support this agenda. Anti-agriculture advocates may go after the livestock industry and target certain sectors, even though they do not consume the products. An example is attacks on the dairy industry by people who do not drink milk.

"Non-consumers can be a much heavier influence on the supply chain compared to consumers who have an effect through their purchasing," she said.

Their motivation may be linked to being frightened of something or there may be another agenda. These non-consumers often donate the most money to organizations protecting the environment or animals.

"Once you get non-consumers who belong to NGOs that have another story to tell, they have a plethora of tools that they can use to drive the supply chain," she said.

For example, retailers and restaurants are pressured to buy supplies from antibiotic-free systems, but the public was never asked for an opinion.

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# CATTLE CALL

# GRAZING & FEED

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GRAZING

## Preparing for swath grazing

What to plant and choice of field are important considerations

BY BARB GLEN  
LETHBRIDGE BUREAU

Picture it: the cattle out feeding themselves on swaths this winter while you, the cattle rancher, have that extra cup of morning java without having to face the cold, start the tractor and haul bales.

And it's cheaper too, given that 65 to 75 percent of cattle production costs come from feed, pasture and bedding.

Swath grazing reduces winter feeding costs so those who intend to use that method need to plan for it this spring.

Choices of field, crop type and seeding date have to be made now for successful grazing this fall and winter.

The field selected should have a water source and wind protection, for starters, said former Agriculture Canada research scientist Duane McCartney, who carried out research on winter grazing in Melfort, Sask., and Lacombe, Alta.

If there are no natural windbreaks, portables can be placed later but a water source is vital.

"You can successfully winter cows on snow, but it's got to snow," he said, noting occasions when ranchers had to haul water to cattle all winter in years with low snowfall.

"You need to be able to set the field configuration up in such a way that they can get back home or get to a water source somehow if you don't have sufficient snow."

McCartney also recommended the use of portable fencing to limit cattle access to swaths so feed quality remains high.

"The more cow grazing days you get on an acre of land the better you are, so we really stressed using electric fences to limit the amount of feed that cows have access to each day," he said.

"But when I drive through the country I see very, very few people using electric fences. They turn their cows out into a section or a quarter section of land and they just kind of leave them there.

"The big problem with that is the cows will go and eat all the grain heads first and then have the straw left for the rest of the winter."

Portable fencing can be used to provide about three days worth of feed for the herd before moving it. Agriculture Canada research scientist Vern Baron said there is a caveat on expecting cattle to clean up all available feed before moving them to the next spot.

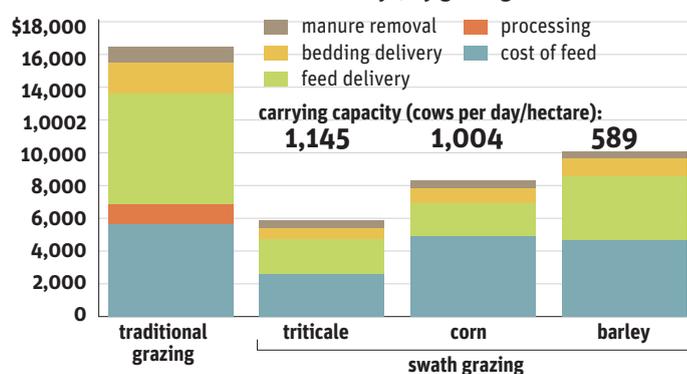
He has found that cattle prefer certain varieties of cereals to others so choice of crop to plant this spring should be made carefully.

"We've really seen some popular forage types of barleys that are



### IS SWATH GRAZING CHEAPER?

Total cost to feed 100 cows for 100 days, by grazing method:



Source: Vern Baron, Saskatchewan Forage Council | MICHELLE HOULDEN GRAPHIC

not consumed and this really is an issue," said Baron, noting pregnant cows have to eat enough for themselves and for their fetuses over winter.

"Just because varieties are advertised as forage types doesn't necessarily mean they're the ones to use."

At the Agriculture Canada Lacombe Research Centre, Baron and his colleagues have found that cattle consistently use 80 percent of triticale when used as a swath grazing crop, despite oft-heard producer claims that cattle don't eat it.

In central Alberta, triticale has

fairly consistently yielded about 20 percent more than barley. However, if barley is the choice, then two-row tends to be better than six-row, at least in the black soil zone, he said.

Corn, though twice as expensive as cereals to grow, has high yield and good nutritional quality and tends to retain that quality over a longer period than cereals.

Choice of crop will depend on the region and soil type. Whatever yields the most is likely the best bet. Successful swath grazing requires a big swath for best cattle access.

Crops for swath grazing should be cut at the soft dough stage, and

Swath grazing reduces winter feeding costs so producers who use it must plan for it this spring. | DUANE MCCARTNEY PHOTO

as close to the date of killing frost as possible. That means seeding in mid-to-late May to mid-June, depending on type of crop.

McCartney said seeding date is critical so calculating the seeding date based on expected first frost date is the way to go.

"Triticale takes longer to grow so it's basically more flexible as far as seeding date is concerned," he said.

And don't ignore fertility, said Baron.

Many producers think they don't need to fertilize crops planted for swath grazing because cattle manure suffices.

"Sometimes that may be true and sometimes it isn't," he said.

Karin Lindquist, a forage and beef specialist with Alberta Agriculture, said an exit strategy should be considered in case the crop intended for swath grazing doesn't provide enough feed.

She also recommended training cattle this summer to respect electric fencing so there are fewer problems with escapees in winter.

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GRAZING

## Use caution when grazing cattle on winter-damaged crops

BY BARBARA DUCKWORTH  
CALGARY BUREAU

Feeding winter-damaged crops to cattle may be risky business.

About a million acres in Alberta were left unharvested over the winter due to a wet fall. There is a risk of wildlife damage, moulds and fungi that make the crops unpalatable or fail to provide enough nutrition, said forage specialist Barry Yaremco of Alberta Agriculture.

"Even if you do put this up as greenfeed or thresh it, there is a possibility the animals will just refuse to eat it if it is contaminated severely enough," he said.

Forage specialists from Alberta and Saskatchewan have prepared a list of recommendations and warnings. Their investigation of sodden fields shows some swaths have stood up well, but in other cases heavy windrows have fallen to the ground, causing considerable mould and mildew.

Secondly, because of the freeze-and-thaw cycle during winter, nutrients have leached away. There is also a risk of ergot, fusarium, moulds, dirt and fecal contamination from wildlife.

Typically, swath grazing or greenfeed offered during winter can provide enough nutrition to cows in early- to mid-pregnancy. After calving, requirements go up 25 to 30 percent.

However, weather-degraded plants must be blended with better quality feed and should make up only 20 to 25 percent of the total ration.

Mineral imbalances of calcium, phosphorous, magnesium and potassium might occur.

"There is no way you are going to be able to use this as a sole ingredient," Yaremco said.

Producers want to remove the winter-damaged crops from fields in preparation for spring seeding. It's possible to turn them into silage, greenfeed or bales but there are risks.

He said silage is not an option because fermentation is not likely to occur without adequate sugars, and most of these crops will lack soluble sugars.

Moisture levels for proper ensiling are also questionable.

Proper fermentation requires a moisture content of 60 to 65 percent for chopped silage and 45 to 50 percent for bale silage. Lower moisture levels make it difficult to pack the material resulting in higher oxygen, longer fermentation and lower quality.

Abandoned canola fields cannot be turned into greenfeed because of the high oil content.

CONTINUED ON PAGE 28 »

FEEDING STRATEGIES

# Cattle chew through more than hay and barley

Alternative feeds and concentrates are available but need some consideration in handling

BY BARBARA DUCKWORTH  
CALGARY BUREAU

Cows are like scavengers and are willing to eat more than barley and hay, as long as it is palatable.

If there are alternative feeds available locally at a good price, they may be worth considering, said Murray Feist of Saskatchewan Agriculture.

“Cattle will do well. That four-stomach rumen will allow them to scavenge and do well with these feeds as long as we make sure the nutrients are in check,” he said.

Many alternatives are failed crops or byproducts from other sectors. They can be mixed in with other products to create a balanced diet.

Computer programs such as Cow Bytes, developed by Alberta Agriculture, can help with blending decisions.

“You can put them in the diet but if you use a program like that, you can see where they fit and what the limitations are,” he said.

Total digestible nutrients, the amount of digestible fibre, protein, lipid and carbohydrate contents of a feedstuff, can be calculated with the program. It is related to digestible energy and is useful to know when putting together beef cow rations that are primarily forage.

Beyond feeding the bread-and-butter rations like alfalfa-brome hay, barley and pasture, remember that alternative roughages and concentrates all have different characteristics that may need some consideration in handling.

“There are a variety of what we call alternative feeds whether they are byproducts or salvage feeds. Each one of them has individual characteristics,” Feist said.

Mineral and protein contents vary and they may run counter to other necessary requirements or cause an ill effect.

If cattle are offered dried distillers grain, a portion can be mixed into the ration. These are high in protein but they also may have triple the amount of required phosphorous or sulfur so that must be miti-



## NUTRIENT CONTENT OF HAY ALTERNATIVES

Feed	crude protein	TDN	calcium	phosphorus
Pea hay	14.0	56.0	1.30	0.21
Lentil hay	14.1	56.0	1.22	0.22
Canola hay	11.5	54.0	0.47	0.30
Oat hulls	4.5	45.0	0.10	0.18
Canaryseed straw	4.6	41.5	0.24	0.11

TDN = total digestible nutrients. All based on 100% dry matter basis

gated, especially in areas providing water high in sulfates.

Grain alternatives like peas and lentils are popular because they bring extra protein. They may be low in calcium.

Green pea straw is not a good hay source. The protein and total digestible nutrients are acceptable but fibre is questionable because it takes a long time to digest.

Rye, corn and triticale are useful feeds but should be checked this year for fusarium and other toxins.

Grazing corn as a standing plant is a relatively new practice in Western Canada. Cattle chew through the cobs, leaves and stems that offer 12 to 13 percent protein and energy. However the calcium levels are variable and high phosphorous is possible.

Cattle will eat frozen canola seeds. Canola has high levels of total digestible nutrients because of the oil content. However, it needs to be blended with oats or barley because it is hard to process and could gum up equipment.

Canola hay is also feasible.

“They are all green and if they are cut at the right time, almost all green things have the same energy and protein for the most part,” he said.

The value of grain screenings is well known.

“As a pelleted product there isn’t much to talk about, but as a raw product we get into the feed value and it is such a variable product depending where you source it from; whether it is from a mill or the neighbour,” he said.

Screenings may contain some unwanted weed seeds that have no feed value. The seeds could also end up in the manure and create a kochia or wild oat problem later.

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## DIGESTIBLE ENERGY AND PROTEIN CONTENT OF DRY FEED

Feedstuff	Digestible Energy (Mcal/kg)	Digestible Energy (Mcal/lb)	Crude Protein (%)*
<b>Hay</b>			
Alfalfa	2.60	1.18	17.7
Alfalfa-grass	2.46	1.12	14.5
Native	2.13	0.97	9.0
Brome	2.24	1.02	9.9
<b>Greenfeed</b>			
Barley	2.64	1.20	10.0
Oats	2.53	1.15	9.4
<b>Silage</b>			
Barley	2.64	1.20	10.9
Oats	2.53	1.15	10.9
<b>Straw</b>			
Barley	1.98	0.90	4.7
Oats	2.16	0.98	4.5
Wheat	1.80	0.82	3.9
<b>Grains</b>			
Barley	3.65	1.66	12.3
Oats	3.34	1.52	11.6
Wheat	3.87	1.76	15.8

Source: Alberta Agriculture | WP GRAPHIC



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## FIELD TESTS

International feed company Alltech tested samples from across Canada last fall. The report showed:

- Only two percent of the samples contained no mycotoxins. Two percent of the samples contained eight to nine mycotoxins, 20 percent contained six to seven mycotoxins, 29 percent contained four to five mycotoxins, 29 percent contained two to three mycotoxins and 18 percent contained one mycotoxin.
- Type B trichothecene mycotoxins (including DON) were present in 80 percent of the samples, and fusaric acid was present in more than half.
- Deoxynivalenol (DON) was the most prevalent mycotoxin found in new-crop corn silage, as well as in spring wheat, barley and triticale samples. High levels of fusaric acid were also present in the samples collected. The combination of DON and fusaric acid can be toxic to animals. Producers should observe their herd and monitor their animals for poor feed intake, as well as reduced milk or meat production.

Source: Alltech Canada

## » CONTINUED FROM PAGE 26

“Do not even think about using canola as a greenfeed at this stage in maturity,” he said.

Baling these crops as greenfeed means checking moisture content. Bales with 16 to 18 percent moisture have the potential to heat and lose quality.

When feeding cattle mature cereal crop greenfeed, problems like grain overload, acidosis and bloat are possible. The ratio of grain to straw is almost equal and cattle will eat the grain rather than the straw.

Try rolling out bales so animals can sort through and avoid eating mouldy feed. Forcing cows to eat five percent mouldy feed reduces ration digestibility by 10 percent.

Rolling out the greenfeed also reduces the amount of dust and spores the animal breathes in, reducing the risk for eye and respiratory problems.

Besides reduced feed value,

mycotoxins are common in cereal grains but less so in canola and legumes. It is recommended potential feeds are tested for contaminants.

Ergot is widespread this year. Moulds develop in the seed heads during summer and mycotoxins form in the developing crop. Fusarium of all types may also be present.

These contaminants caught hold last year and once the temperature drops below 5C, they remain in the crops. The concentration in spring is similar to what was present in fall, so it is important to test for the presence of mycotoxins, not the type of microbes or populations present on the material.

For additional information, contact a nutritionist, government livestock extension specialist, veterinarian or feed consultant that can provide assistance.

barbara.duckworth@producer.com

## CARBON SEQUESTRATION

# Scientists look to grazing to aid carbon retention in soil

BY BARBARA DUCKWORTH  
CALGARY BUREAU

The symbiotic relationship of plants, soil and animals has long been understood among those living off the land.

Soil with high carbon content has increased fertility, water retention and productivity.

Now scientists are assessing the value of grazing on grasslands and that system's ability to sequester more carbon in the soil and stave off greenhouse gas emissions.

A carbon benchmarking study to quantify the carbon pool associated with grasslands across Alberta was recently completed.

“We are building on that by looking at trying to understand the mechanisms as to where, when and how grazing specifically leads to greater carbon,” said Ed Bork, director of the Rangeland Research Institute at the University of Alberta.

Carbon sequestration is the process of storing carbon in the soil through crop residue and other plant material. It depends on vegetation respiration and photosynthesis. Carbon enters the soil in the form of litter, harvest residue and manure. These are stored in the soil as organic matter and are typically found in

the top 10 centimetres.

The research began by using rangeland reference exclosures run by Alberta Environment — more than 100 small, enclosed parcels of land used to monitor grassland composition and productivity over the long term. They have never been cultivated but in some cases there are some additional species like clover, bluegrass and brome seeded into them.

The university researchers extracted soil cores to look at the carbon profile. They also compared similar results from native grasslands, tame pasture and adjacent cropland.

Past studies did not have as many sites to compare the wide variety of soil types and different agro-climatic conditions on parkland, fescue grasslands and dry, mixed prairie.

They are also interested in comparing carbon sequestration with land that has been farmed. Depending on the type of cultivation, losses of carbon are significant and take up to 50 years to come back.

“If we take a native grassland and flip it into an alternate land use, particularly annual cultivation, there is a big penalty to pay in terms of the amount of carbon that is lost from that system,” Bork said.

“Our data is suggesting it is typi-

## QUICK FACTS

- Grasslands store 10-30 percent of the world's organic carbon.
- Temperate grasslands cover about eight percent of the earth's surface and contain more than 300 gigatonnes of carbon. About 97 percent is stored in the soil.
- Grasslands store a lot of carbon because of the high root-to-shoot ratio.
- Cultivation equals 30-50 percent of lost soil carbon.
- Tame forages have lower root masses than native grasslands.

Source: University of Alberta

cally 40 to 45 percent but other studies worldwide suggest it is even 50 to 60 percent lost,” he said.

When land is broken up the soil temperature increases and there is more oxygen present. That encourages more microbial activity that breaks down material and releases more carbon into the atmosphere.

Eventually, the soil will reach to a new equilibrium state.

“If you vegetate it back to perennial cover, it is going to take

CONTINUED ON NEXT PAGE »

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## HEALTHY AS A HORSE



It's Springtime in Saskatchewan which makes it the perfect time to get out and ride! There are many important steps necessary to ensure your horse is ready for a great season. Whether you are a weekend rider or you attend every show, your veterinarian can play a key role in keeping you and your equine partner safe on the trails.

There are a variety of vaccines available, including basic 4-way vaccines, strangles, influenza, and rabies. West Nile Virus is another important disease to vaccinate against and with mosquito season upon us, now is a great time to consider vaccination. Vaccination protocols can vary depending on the needs of each individual horse. Talk with your veterinarian to determine the best protocol for your horse.

Deworming is an important part of keeping your horse healthy. The numbers and types of parasites affecting your horse can vary based on the time of year, amount of traveling you do, and the region you live in so developing a personalized program is important. Consult with your veterinarian on the best protocol for your horse.

Equine Infectious Anemia (EIA) is a reportable disease that is spread by biting insects. There is no vaccine for EIA so the only method of control is to test horses regularly. Many equine events now require proof of a negative Coggins test in order to compete. It is important to remember that horses can be carriers of the disease while showing no symptoms and can infect other horses, which makes testing even more important when coming into contact with others at showing events.

When it comes to dental care, prevention is the best medicine. Dental problems can lead to difficulty bridling, head tossing, and rearing. Your horse's teeth can also affect their health and well-being. A horse with poor teeth may drool, drop feed from its mouth, or even choke while eating, and this can eventually lead to weight loss. Ensuring your horse's teeth are maintained is essential, as vices such as rearing are not always due to bad behaviour.

Have you found a new horse to add to your herd? Consider including your veterinarian before you purchase your new-found companion. A horse is a major investment and some health problems may not be visible to the naked eye. Veterinarians can perform a full physical exam and check for any signs of lameness before you bring your new equine partner home.



**Carbon sequestration is one of the potential ways we can mitigate climate change by pulling carbon dioxide out of the atmosphere. If we can do that through good range management practices and if there are markets for that, ranchers should receive some funding to support and encourage those management decisions.**

**LAUCLIN FRASER**  
THOMPSON RIVERS UNIVERSITY

a long time to rebuild that carbon in the system. It means the potential opportunity costs of lost carbon through land-use conversion is not a short-term thing, it is a potentially long-term thing," he said.

"The ultimate sequesterer of carbon is plant productivity so the more plant productivity you have, the more carbon you are going to be putting into the system," he said.

The next round of research is evaluating the effects of adaptive multi-paddock grazing (AMP) or management intensive grazing using high animal densities on a tight rotation. This form of intensive management is supposed to stimulate plant growth and so more carbon should be added.

Many experienced livestock grazers say they have improved soil health and fertility, as well as water filtration but they do not have empirical data to prove it.

"Our push is really to drive the development of a database that will create a defensible policy change in support of valuing and rewarding producers for not only maintaining but building carbon in the soil," he said.

Policy makers are reluctant to put a price on existing carbon without that information.

Researchers like Bork want to show the value of the forage supply to livestock, as well as the true value of existing environmental goods and services from existing native grasslands.

Often overlooked are services like water storage and purification and biodiversity, as well as long-term carbon storage and greenhouse gas storage like methane and nitrous oxide.

Research in the montaine grasslands of British Columbia is producing similar results.

Current research is based around climate change and its mitigation through grasslands management and grazing, said researcher Lauchlin Fraser of Thompson Rivers University in Kamloops. He has studied soil carbon sequestration in grasslands for 10 years.

"Carbon sequestration is one of the potential ways we can mitigate climate change by pulling carbon dioxide out of the atmosphere. If we can do that through good range management practices and if there are markets for that, ranchers should receive some funding to support and encourage those management decisions," he said.

"We need to make sure that first of



FILE PHOTO

all we can measure soil carbon effectively so we can monitor it and demonstrate that where, when and why those changes occur in soil carbon," he said.

"A big driving factor is looking for those positive benefits of cattle on the land and how we can maximize that," he said.

Research sites in B.C. included about 300 enclosures, which are called range reference sites run by the province. These were located in the Kamloops area, as well as the regions of the Kootenays, Cariboo, Chilcotin and Peace River District offering different soil types and precipitation levels.

"We think soil carbon storage is very context dependent on soil type and the climate," he said.

For example, less carbon is stored in the semi arid grasslands of some parts of the province compared to wetter areas.

In addition the researchers are working with seven co-operating ranchers who practice intensive management grazing, as well as rest rotation on their own land.

Many of the ranch sites are former hayfields and some were irrigated. The producers have moved away from baling those sites and focus more on grazing.

"Rather than putting your hay up there is planned managed grazing practices and over winter you buy your hay and you bring that hay onto your own site. You are actually bringing fertilizer onto your own

land," Fraser said.

Year round grazing is not feasible because of cold and deep snow.

"We are linking grazing practices with soil carbon but some of the issues that we find is because we

are following operational practices by ranchers, we don't have the control," he said.

Science needs some control sites so they can collect data and create patterns.

"When we are all using the same methodology at the same time, then we can make much more powerful results and make more powerful conclusions from that," he said.

In addition, the B.C. project used a remote sensing system called normalized difference vegetation index to predict soil carbon across B.C. grasslands.

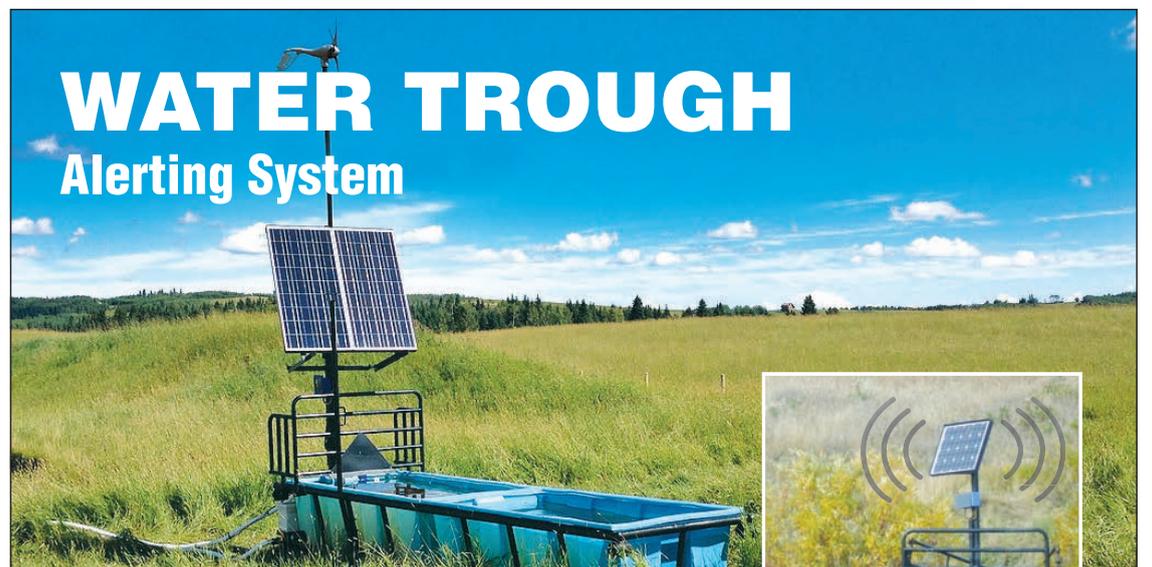
It measures the greenness of plants, which is tightly correlated with productivity.

By measuring it along with mean annual precipitation and elevation, these three properties can explain with up to 70 percent accuracy how much carbon is in the soil on a particular landscape.

A lot of grazing in B.C. takes place in forested areas under a canopy of trees. Fraser's team also wants to learn if there is a relation to carbon sequestration as well as productivity in those areas.

"Forested range is huge in B.C. and so we are also looking at agroforestry practices and we've submitted another grant to the BCRC to determine whether silvopasture and forest thinning can increase forage productivity," he said.

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To that effect, diatomaceous earth is a perfect animal feed additive (AFA) for all farm animals with many benefits -from preserving feed quality to improving livestock health and performance through better digestibility, acceptability and overall bioavailability. From an economic perspective, Diatomaceous earth will also provide cost benefit advantages by improving mixing properties, as well as increasing the bulk density of some ingredients.

Diatomaceous earth is an amorphous silica substance that is the result of the fossilization of unicellular marine organisms called diatoms. There are many different types of diatoms with different types of properties, which dictate their most effective use. The most notable distinction is salt water versus fresh water diatoms.

As an animal feed additive, one of diatomaceous earth's basic functions is to act as a natural preservative for the feed, absorbing moisture that



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may cause fungus, mold or rot. Also, due to its moisture reduction capacity, it reduces clumping and prevents caking of the feed. This helps preserve feed without the need of chemicals, make it more acceptable to the stock during feeding and increase processing and delivery efficiency.

Diatomaceous earth's other function is to improve the stock's health, feed conversion, and ultimately its performance. To that effect, DE has been known to improve feed conversion with good young stock, accelerating growth, improving digestive health, and reducing scours by balancing the intestinal flora. Diatomaceous earth is also known to reduce internal and external parasites and bacterial infections. It is also known to control worms, and its residual mineral content may give animals a shinier, healthier coat.

For the diatomaceous earth to be working properly and effectively as an AFA, it has to be non-calcined, only cleaned and dried, 100% natural diatomaceous earth. Moreover, the diatoms must be fresh water diatoms. It should also be organic (OMRI listed) and respect CFIA standards.

Diatomaceous earth as an animal feed additive is incredibly effective and efficient.

All you have to do is mix up to 2% in your feed, either yourself, if you have the mixing capabilities on the farm, or by asking your feed supplier to provide you the ready mixed feed. Using diatomaceous earth as an animal feed additive will increase your ROI by keeping animals healthier, improve their feed conversion rates and making sure that feed works harder and longer by preserving it naturally.

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## FAMILY GATHERING



This elk herd gives the heads-up as it grazes in a snow-free stubble field near Priddis, Alta., in mid-April. | WENDY DUDLEY PHOTO

## WATER SURVEY

## Public fails to see climate change as threat to fresh water access

BY BARBARA DUCKWORTH  
CALGARY BUREAU

Canadians rank the value of fresh water higher than any of the country's natural resources, but a recent survey shows they don't know much about this necessity of life.

The Royal Bank of Canada's annual water attitudes survey of about 2,000 people wants to learn more about public attitudes toward water.

Conducted since 2009, this survey found people understand access to fresh drinking water is critical, but few know about potential threats to the supply because of climate change or its value to the Canadian economy and food security.

"The problems seem to be moving faster than the public's understanding of what those problems are," said Bob Sandford, EPCOR chair for water and climate security at United Nations University.

"Sustaining the health of water cannot be sustained by legislation alone but through thousands of individual choices," he said in an April 11 RBC sponsored webinar.

"Our prosperity is not defined by how much we earn but by our quality of life. Real and lasting wealth ends with water."

A 2016 UN study reported that half the world's workers are employed in a water dependent economic sector, and it is estimated 36 percent of the world's active workers are dependent on water in parts of their value chains.

Canadians tend to relate their national identity to natural resources, including water, said Robert Hallan, head of the Canadian Water and Wastewater Association.

"Canadians have always identified themselves with water," he said.

"We see ourselves as the land of lakes and rivers and we are seeing a lot of excitement at the federal level in investment in the innovation in water treatment and finding water solutions and trying to put Canada out front as an international leader in water."

However, Sandford said the federal government needs a secretary of state for water who understands that food security, climate stability and water quality are inseparable if it wants to get serious about water.

"You can't have a national climate strategy without a national water strategy," he said.

Climate change is acknowledged, but the survey found that is not well understood.

"Canadians have a limited idea of how the hydrologic cycle is changing in this country and globally," he said.

"We still believe the fresh water we have available now will be available to the same extent and the same places as it exists now."

Half of Canadians said forest fires, heat waves and severe thunderstorms are more frequent than 10 years ago.

The Alberta floods of 2013, the Assiniboine flood of 2014, extreme drought on the Prairies in 2015 and the forest fires at Fort McMurray, Alta., last year are all linked to climate change.

Conservation is somewhat understood, but more Canadians are likely to worry about not wasting energy because of the associated costs.

Eric Whan, director of GlobeScan, which conducted the survey, said Canadians personally feel they are making reasonable efforts to conserve and protect fresh water, but they are not sure about anyone else.

A majority of those polled said water is a human right.

Most Canadians do not see water as a commodity that should be sold. Seven out of 10 think they pay enough.

Hallan said water pricing is coming in some communities, and it is assumed people would be more careful if they have to pay more.

Water is a right, but people have to recognize the price of treatment and delivery.

Canadians say the drinking water infrastructure is a high priority for government funding. They agree that commercial enterprises should pay the full cost of water but are less likely to agree to higher charges at the household level.

Canadians anticipate that water issues and infrastructure repairs are going to become more urgent in 10 years time, and no one believes the problems will be lessened in the future.

Sandford said they prefer that the government handle the water supply as a public service. They do not want it to go into private hands, and

they do not want to pay the equivalent of bottled water prices.

New economic values should be attached to water and land. The value of having water on a land site and ecological goods and services provided by wetlands should be recognized. Investment has to be shifted to upland watersheds so nature can manage the water system, said Sandford.

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## AG NOTES

### APPLICATIONS SOUGHT FOR NUFFIELD SCHOLARSHIPS

Applications for the 2018 Canadian Nuffield Farming Scholarships are due April 30.

Application forms can be downloaded from the Nuffield Canada website at [www.nuffield.ca](http://www.nuffield.ca).

Nuffield Farming Scholarships are awarded to Canadians from any aspect of agriculture and agribusiness with a desire to expand their knowledge, pursue new ideas and share their findings with others for the betterment of the industry.

Applicants should be in mid-career, between the ages of 25 and 45 with a minimum of five years of agricultural business or farming experience and the ability to travel for a minimum of 10 weeks with a minimum of six consecutive weeks in one leg of their travel.

Scholars must complete their project within two years of being awarded, producing a written report and presenting their findings to the Nuffield Canada annual general meeting.

Nuffield Canada investors will provide four scholarships for 2018:

- Glacier Farm Media is supporting a general interest scholarship.
- The Grain Farmers of Ontario scholarship will be awarded to an outstanding individual involved in the Ontario grain industry whose study shows direct benefit to the Ontario grain sector.
- The Western Grains Research Foundation scholarship is available to scholars directly involved in the western Canadian field crop sector, preferably a producer, or an individual actively involved in the sector through extension or

research whose research topic will focus on the field crop sector.

• The Alberta Wheat Commission scholarship is available to an Alberta resident involved in the western Canadian grain sector, directly connected to primary grain production. Research topics will focus on studies that benefit the wheat sector.

Nuffield alumni will fund an additional scholarship. Each scholarship is valued at \$15,000.

Scholars are required to participate in the annual Contemporary Scholars Conference with other scholars from around the globe. The 2018 CSC will be held in the Netherlands in early March.

For more information, visit [www.nuffield.ca](http://www.nuffield.ca).

### OLDS COLLEGE EXPANDS AG MANAGEMENT PROGRAM

Olds College has created 50 additional first-year seats in its Agricultural Management program, increasing capacity from 75 first-year students to 125 students.

The new capacity will be in place for the fall start of the program.

By fall 2018, the program will have 250 students enrolled in the diploma program between first and second year students.

The college had received 165 applications for the program for the fall as of March 31. Applications are still being accepted and prospective students are encouraged to apply as soon as possible.

The college also announced the establishment of the Werklund Agriculture Institute, which will position it as a leader in smart agriculture.

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25 YEARS AGO

# 'Marketing boards, supply management wrong', said Otto Lang

## 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.*

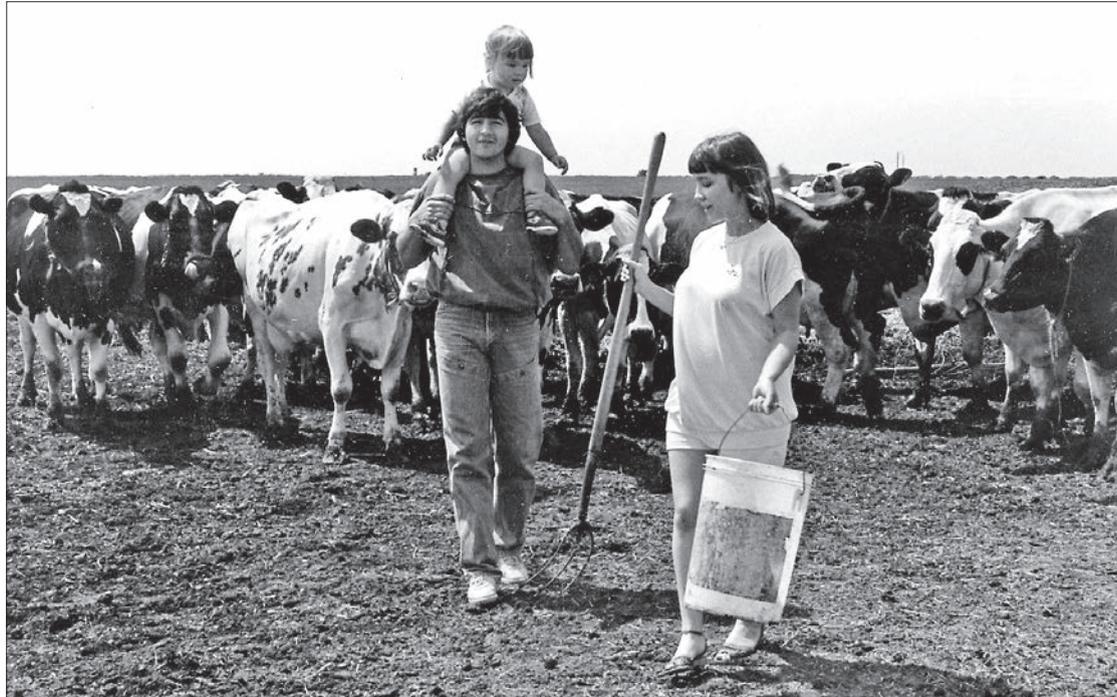
### 75 YEARS AGO: APRIL 23, 1942

The International Harvester Company of Canada planned to use its 3,000 dealers to promote farm salvage. Farmers would be paid for their scrap metal after it had been sold. The plan was approved by War Services Minister J.T. Thorson.

Minister Thorson also announced that a conscription exemption for farm workers would not apply to those who left a non-agricultural job to go work on a farm. "Quite a number" of workers had quit their jobs in industrial plants to find work on farms after the conscription regulations were announced, he said.

### 50 YEARS AGO: APRIL 27, 1967

A three-day storm dumped as



Ray and Shelley Cure and daughter Katrina on their farm near St. Pierre, Man., in the summer of 1986. | FILE PHOTO

much as 60 centimetres of snow on southern Alberta. It was a hard blow for the region's ranchers, and losses of newborn range calves were expected to be high.

The prairie job situation was generally good with lots of employment opportunities, but farmers, particularly in Manitoba, were

having trouble finding workers. Sugar beet growers in the Portage la Prairie area were recruiting workers on Indian reserves.

Alberta declared June 9 Farmers' Day for rural schoolchildren. The day would be a school holiday for all schools except those in or near Edmonton, Calgary, Lethbridge,

Medicine Hat and Red Deer.

### 25 YEARS AGO: APRIL 23, 1992

Otto Lang, a former federal Liberal cabinet minister, said the country should welcome the disappearance of supply managed marketing boards under the proposed General Agreement on Tariffs and

Trade deal. "We all know marketing boards and supply management are wrong and we all know Gene Whelan was wrong," said Lang, who was the minister responsible for the Canadian Wheat Board when marketing boards were introduced 20 years earlier. Whelan, who was the agriculture minister at the time, oversaw their implementation.

A group of Saskatchewan farmers took the provincial government to court for changing the Gross Revenue Insurance Plan. "We want to prove the changes are illegal and are asking for the return of last year's contract," said Al Kormos.

### 10 YEARS AGO: APRIL 26, 2007

Farmers were facing record flood levels in parts of Saskatchewan, which was likely to delay seeding. "It's one in 25 (years) in lots of places. One in 50 in some; one in 100 in others and for the Pipestone (Creek) feeding into Nut Lake near Rose Valley, well, it's the highest flows on record," said Doug Johnson of the Saskatchewan Watershed Authority.

The federal Conservative government published regulatory changes that it planned to use to remove the barley monopoly for the wheat board Aug. 1.

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## ANTIQUE EQUIPMENT 0703



**1908 PEERLESS HAY PRESS** (baler) by Geiser Mfg Co. Serial Number 188. Complete and in good working condition. Makes 18x24" 3 wire bales. Albert Thompson, Ste. Rose du Lac, MB., 204-447-3078.

## ANTIQUE VEHICLES 0705

**1965 GALAXY 500 LTD.**, 4 door, hard top, body damage in back. Motor & tranny vg. 204-248-2040 evenings, Notre Dame, MB.

**JIM'S CLASSIC CORNER** - We buy or sell your classic/antique automobile or truck. Call 204-997-4636, Winnipeg, MB.

**WANTED:** 1920's, 30's or 40's coupe or roadster projects; 1958 Pontiac Parisienne or Chevy Impala projects. 306-824-4711.

**1957 FORD** 4 dr. hardtop; 1960 Pontiac; 1949-1951 GM 1/2 tons; 2 Mark V Lincolns. 306-398-2559 lv msg, Cut Knife, SK.

**WANTED:** OLD MOTORCYCLES pre-1980's and older, complete or parts. Phone 780-608-9875, Ardena, AB.

**WANTED:** 1920 to 1940 old Ford car bodies and parts. Also wanted old gas pumps and signs. 306-651-1449, Saskatoon, SK.

## ANTIQUE Misc. 0710

**WANTED:** TRACTOR MANUALS, sales brochures, tractor catalogs. 306-373-8012, Saskatoon, SK.

**WANTED:** GRAIN ELEVATOR painting equip. for Aug. 20-28. 3 sets of ropes (block & tackle) 2 scaffolds, 3 safety lines, 3 safety harnesses. Dale 306-384-0653.

## AUCTION SALES 0900

**FARM AUCTION FOR Larry & Kim Downing.** Saturday, April 29, 10:00 AM, 6.6 kms East of Punichy, SK. on Hwy. 15 and 5 km South. JD 3140 and 2130 tractors; Hesston haybine; Vermeer baler; Bale King and Highline bale processors; Freightliner semi; Barret livestock trailer; solar watering systems; livestock equipment; firearms; tools. Robert 306-795-7387. PL #334142. [www.doubleRauctions.net](http://www.doubleRauctions.net)

**FARM RETIREMENT AUCTION FOR RON AND EVELYN CHAMBERS,** 10 AM, Sunday, April 30th, 6.5 miles south of Indian Head, SK. on #619 Grid, GPS: 50.438227, -103.649869. Tractors: IHC TD9 crawler dozer; Case 4690, 2670; IH 4166; MF 1085; MF 1085 w/FEL; Deutz D7006; Massey 44; Case 444; Tillage: Flexi-Coil 5000 33' air drill w/1720 tank; Leon 850 liquid cart; 24' MF 360 discers; Morris 33' DT cultivator; Degelman 5705 rockpicker; Harvest: 1994 CIH 8820 25' swather; CI 550 swather; swath roller; IH 1460 combine; Sakundiak 7x41, Brandt 7x33 augers; 1970 Ford L700 grain truck; Chev 30 grain truck; 2004 Honda quad; Arctic Cat 440 Jag sled; grain bins; shop tools, misc. and more. Call Ron 306-660-7143, Brad 306-551-9411, [www.2sauctioneers.ca](http://www.2sauctioneers.ca) PL #333133.

## AUCTION SALES 0900

**FARM AUCTION FOR Noel and Roberta Luzny.** Saturday May 06, 10:00 AM East of Ituna, SK. 11.4 kms on Hwy 52 and North On Hardrock Road. John Deere 2130 tractor; NH #495 haybine; Case/IH 5420 square baler; 1997 Chev half ton; 1952 IH grain truck; JD lawn tractor; Quad; Tools; Antique farm equipment. 306-795-7387, PL# 334142, [www.doubleRauctions.net](http://www.doubleRauctions.net)

## AUCTION SALES 0900

**PBR AUCTIONS Farm and Industrial Sale** last Saturday of each month, great for farmers, contractors and the public. [www.pbrauctions.com](http://www.pbrauctions.com) 306-931-7666.

**UNRESERVED FARM AUCTION** Saturday April 29th at 10:00 AM. Tractors, tools, feeders, autos, Sea Can, household items. West of Hughenden, AB. Scribner Auction 780-842-5666, for pics and listings visit [www.scribnet.com](http://www.scribnet.com)

## AUCTION SALES 0900

**Crohn's and Colitis Canada**  
**Crohn et Colite Canada**  
**306-664-4420**  
[www.crohnsandcolitis.ca](http://www.crohnsandcolitis.ca)

## ANNOUNCEMENTS 0200

**JANSEN & DISTRICT Homecoming 2017,** June 30-July 2, 2017. For info, and registration go to [www.jansen.ca](http://www.jansen.ca) or Jansen Homecoming on Facebook. Deadline to register May 28th.

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**PILOT-READY PROTOTYPE** that produces spooled hemp ribbon fibre looking to partner w/hemp grower to demonstrate our system. \$400,000. Phone 778-554-7697.

**RIGHT TO FIREARMS SEMINAR, 1:00PM** Saturday May 6th, 2017, Saskatoon Inn. For info call Edward 306-230-8929, CUFOA

## AIRPLANES 0400

**ALWAYS HANGARED, ORIGINAL J3 Cub** 65 HP Has metal prop, recent ceconite. Good inside and out. 3770.20 TTAF, 1185.2 SMOH. 33 eng. hrs. since top OH. Extra 5 gal. wing tank, shoulder harness, cyl. temp. \$32,000 CDN. 204-836-2686, St. Alphonse, MB.

**1963 CESSNA 185A, 10-520, 300 HP 6870** TT, 667 SMOH, EDO 2960 c/w hatch, wheel gear, Kehler hyd. skis, bubble windows, extended baggage area, Vortex gen, Robertson STOL, tip tanks, full droop tips, JPI-EDM 930 eng. monitor, dual Com, AT 50A transponder, Artex 406 ELT, Garmin 296 panel mounted GPS, Apollo GPS, remote compass, split back seats, wing covers, elevator cover, engine tent, screen cover, jig for lifting, booster cables, new paint in 2010, ext. 9/10, int. 8/10, well maintained ready to go. Great performer on wheels, skis or floats. Interested in trades/cash for a Cessna 172/182. Text or phone 204-641-4270, Riverton, MB.

## ANTIQUES 0701

### ANTIQUE AUCTIONS 0701

**ANTIQUES & COLLECTIBLES** Consignment Auction, Saturday May 20, 10:00 AM, 801 Buxton St, Indian Head, SK. Viewing: 5-7, Friday, May 19. Visit website for items coming in daily. To consign, call Brad at 306-551-9411, [www.2sauctioneers.ca](http://www.2sauctioneers.ca) PL#333133

### ANTIQUE EQUIPMENT 0703



**1930 COCKSHUTT 10'** horse drawn seed drill for restoration or parts. For more info call 403-318-8135, Delburne, AB.

**OVER 150 brand new Vintage windshields,** never installed. 1960s, 70s and 1980s. Some no longer made. Various models. Please ph/text 306-921-7688, Melfort, SK.

**2 OLIVER 88 TRACTORS,** 1 tractor in running cond., 1 always under roof. Copy of manual avail., both good cond., \$1500 firm for both. 780-372-3834, Bantshaw, AB.

**3 JOHN DEERE TRACTORS:** 730D, 830D, 820D; Minneapolis Moline R. All tractors running. Ph. 780-349-2466, Westlock, AB.

**WANTED:** OLD ALBERTA license plates, older than 1956. Call 780-380-1450, or email: kinderwater.jd@hotmail.com

**SEVERAL LANZ BULLDOG tractors.** Also several JD type stationary engines and other rare stationary including Ruston Hornsby. 780-991-6035, Leduc, AB.

**ADRIAN'S MAGNETO SERVICE.** Guaranteed repairs on mags and ignitors. Repairs. Parts. Sales. 204-326-6497. Box 21232, Steinbach, MB. R5G 1S5.



## PRELIMINARY NOTICE

### UNRESERVED INDUSTRIAL AUCTION

**THURSDAY MAY 4TH, 2017 @ 9:00 A.M. • EDMONTON, AB, CANADA**

 2010 FL CASCADE 2013 GERMANIC END DUMP	 2013 TEREX 7X20 SCREENER WASH PLANT	 2008 VOLVO SD 116F	 2007 STERLING L7500
 10F2 2015 RIDGEMAR CROSSGATE C.U.L	 2014 STELLAR QUAD WAGON	 2015 RIDGEMAR END DUMP	 2015 CROSS COUNTRY TRIDEM
 2014 SUPERIOR PORTABLE STACKER	 2-2012 SUPERIOR 48X80 PORTABLE STACKERS	 2009 SUPERIOR 36X60 PORTABLE STACKER	 2009 SUPERIOR 36X60 PORTABLE RADIAL STACKER
 2006 PETERBILT 335 VAC TRUCK	 1972 KENWORTH 400 WB BED TRUCK	 1988 KENWORTH C500 WINCH TRUCK	 2011 INTERNATIONAL 7600 LIQUID WASTE

**INDUSTRIAL INTERNET BIDDING AVAILABLE**  
**TO PARTICIPATE IN THIS AUCTION CALL ONE OF OUR EDMONTON CONTACTS:**  
Mike Wasylewick 780-699-8142 .....Northwest Alberta (Ind) Brian Horne ..... 780-777-6546.....Industrial Sales Manager/West  
Kelly Vaughan ..... 780-619-7101.....Central East Alberta (Ind) Jesse Michener .. 597-777-7868.....Central Alberta (Ind)  
Don Streeper ..... 780-814-2031.....Peace Country (Ind) Ryan Cameron ..... 780-818-8883.....Northeast Alberta (Ind)  
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**AUCTION SALES 0900 AUCTION SALES 0900**

# FARM AUCTION

## ALLAN FEDAK & AUDREY HARSH

**Friday May 5th @ 10.00am**  
**HUDSON BAY, SK**

**Live internet bidding starts at 12:30pm sharp on machinery**

**Owners Phone 306-865-2969**

**Directions: 3.2kms(2miles) West of Hudson Bay on Hwy #3, then 2.4kms(1½miles) North, Yard on West Side**

**TRACTORS\*** 1981 Versatile 875, 20.8 x 38 factory duals, Ford 6600, 1977 IH 986\*  
**COMBINE\*** NH TR 97\* **SWATHER\*** 1984 Versatile 4400, 22ft\* **AIR DRILL\*** Morris Maxim 39ft, c/w Morris 7180\* **GRAIN TRUCKS\*** 1981 Ford 9000, c/w CIM 20t steel box w/ hoist, 1978 Ford F600, 15ft Lux steel box w/hoist\* **TANDEM DISK\*** Richardson 28ft\*  
**CULTIVATORS\*** Bourgault Commander 3640, 40ft\* **BACK HOE\*** Case 530\* **ATV's\*** 2003 Honda TRX 450FE, 1999 Honda TRX 450ES\* **LAWN & GARDEN\*** Cub Cadet RZT50, 0 turn mower, Honda 4120 riding mower\* **SNOWBLOWER\*** 1978 Shulte Front mount, 8ft, was mounted on IH 986 tractor, SN 6211\* **COLLECTIBLE TRACTORS\*** 2-1953 Ford Jubilee tractors, \*QTY OF 3PTH EQUIPMENT, CULTIVATORS, MOWERS, TILLERS, DISCS, ETC \*QTY OF FARM & SHOP MISCELLANEOUS.

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**AUCTION SALES 0900**

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**REGINA:** Astec RT1000 Wheeled Trencher; 2013 Ford F150; 2014 Can-am D5 450 MX; Consign Now for Our 8th Annual "Spring Into Summer Event" May 10th.

**SASKATOON:** 2016 Keystone Sprinter 295RKS Camper Trailer; April 28 - 1974 Knight Schmidt Mobile Home; 14' x 8' (approx.) 2007 LCD Color TV Video Wall - Located in Prince Albert; Coins, Currency, Jewellery & Art.

**ALBERTA:** Alberta Spring Motorcycle, Quad, Boat & RV Auction - May 3, Alberta Agriculture & Haying Equipment Auction - May 4.

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www.mackauctioncompany.com PL311962

**AUCTION SALES 0900**

**UNRESERVED INDUSTRIAL/SHOP Equipment & Tools Auction, Lerry & Janet Davis, Saturday, April 29, 2017, 10:00AM, Castor, AB.** Partial listing includes: 2002 JD Custom 770CH Series II grader w/rebuilt motor; Cat 816 compactor/packer; Hyster 8000 lb. forklift; 1986 Bobcat 643 skid steer; Ditch Witch, model #R65D trencher w/backhoe, 1991 IH 4900 truck w/ 7900 lb. picker crane, 2000 GMC 1 ton service truck w/4500 lb. picker crane; 2002 Ford 1 ton dually dump truck; 1985 Chrysler LeBaron convertible car; 1978 Buick Riviera car w/new paint job; 1984 Oldsmobile Tornado car; 1991 Bluebird bus; 1965 JD 4020 tractor w/FEL & grapple; Degelman 12' front dozer blade; 16' t/a steamer trailer; Building moving beams w/wheels; Quads; 40' seacans; Versatile 555 4WD tractor (needs motor work); Huge list of shop equipment, tools, & inventory. For info, contact owners at: 403-740-6727 or Dunkle Auctions at: 1-877-874-2437. Full listing & pictures at: www.dunkleauctions.com PL# 209769.

## GREAT PLAINS AUCTIONEERS

### NEXT SALE SATURDAY, 9:00 AM MAY 6, 2017

**GREAT PLAINS AUCTIONEERS**  
5 Mi. E. of Regina on Hwy. #1 in Great Plains Industrial Park  
TELEPHONE (306) 525-9516  
www.greatplainsauctioneers.ca  
SALES 1st SATURDAY OF EVERY MONTH P.L. #914529

**FARM RETIREMENT AUCTION FOR ED & KAREN WACZKO, Alonsa, MB, Saturday May 6th at 10:30AM.** Featuring: Case 2090 c/w Allied 794 FEL, grapple; JD 4010 c/w JD 48A FEL; 1936 JD AR unstyler tractor; IH W4 tractor; 2 prong bale fork for JD 48A loader; 1983 JD 7721 PT combine; IH 730 PT swather 30'; Cockshutt 15' tandem disc NF/SR; CCIL 200, 15.5' cultivator; Cockshutt 247, 12' deep tiller; Cockshutt 246, 10' deep tiller; 18' CCIL wide level discer; Field sprayer; Viking-Duplex fanning mill; Farmking auger; JD 2 furrow sulky plow; 440 snow jet SST snowmobile; Bale elevator; Long reach farm trailer for round bales; 4 wheel farm trailer Superior floor model drill press; Century 200 amp booster/charger; Oxy-Acet outfit; Lincoln 225 amp arc welder; chain saws Bosch steel chop saw; Inland 7' SA-84, 3PTH dual stage snow blower; Manure fork for JD FEL; Case/IH 8270 hydra swing 14' mower conditioner; New Idea 516 manure spreader; NH 271 square baler; NH 456, 9' hay mower; JD L115 lawn tractor; Ingersoll 3016 lawn tractor. Brought to you by Garton's Auction Service, Dauphin, MB, 204-648-4541. For full listing visit: www.gartonsauction.com

**UNRESERVED FARM AUCTION, Bryan & Liz Erikssen, Wed. April 26, 2017, 10:00AM, Sedgewick, AB.** Partial listing includes: 2004 NH TJ425 4WD tractor, 1984 Steiger CM325 Panther 4WD tractor, 1983 Steiger ST-310 Panther 4WD tractor, Flexi-Coil 5000 58' air drill w/Flexi-Coil 2320 air tank; Two 1993 JD 9600 SP combines; 1980 White 9700 SP combine; Two 1989 Versatile 4750 SP swathers w/25' PU reels; 1985 Western Star highway tractor; 1974 IH Transtar 4200 t/a grain truck w/17' steel box; 1992 Bobcat 753 skid steer, JD 335 double fold 32' tandem HD offset disc, Flexi-Coil System 92 60' harrow packer bar; Friggstad 60' d/t cultivator; IH 42' cultivator; 1983 Esler 34' grain trailer, Degelman 14' & 16' front dozer blades. Plus much more. Contact owners: 780-385-1289, or Dunkle Auctions, 1-877-874-2437. Full listing and pics at: www.dunkleauctions.com PL# 209769.

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**AUCTION SALES 0900**

**FARM AUCTION FOR THE ESTATE OF IVAN REINHARDT, 10 AM, Saturday, April 29th, 1 mile west of Indian Head, SK., GPS: 50.531655, -103.70835. CIH 7120, MFWD, AutoSteer, powershift, near new rubber; IH 560 dsl; W6 and W4; JD 214; 1990's Buick LeSabre; 1994 Chev 2500 reg. cab, dsl pickup; 1960's IH 1600 grain truck; IH 914 PTO combine; IH 4000 25' swather; NH 479 9' haybine; NH 315 sq. baler; NH 1033 bale wagon; cultivators; discers; Seed-Rites; Wetmore hammermill; grain bins; older vehicles for parts; bobsleigh w/grain box; shop tools, misc. and more. Consignments will be accepted to this sale. Brad 306-551-9411. For more info, and pics visit www.2sauctioneers.ca PL #333133.**

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**AUTO SERVICE/REPAIRS 1050**

**ALLISON TRANSMISSION.** Service, Sales and Parts. Exchange or rebuild. Call Allied Transmissions Calgary, 1-888-232-2203; Spectrum Industrial Automatics Ltd., Blackfalds, AB., call 1-877-321-7732.

**AUTO/TRUCK PARTS 1100**

**TRUCK BONEYARD INC.** Specializing in obsolete parts, all makes. Trucks bought for wrecking. 306-771-2295, Balgonie, SK.

**TRUCK PARTS:** 1/2 to 3 ton, new and used. We ship anywhere. Contact Phoenix Auto, 1-877-585-2300, Lucky Lake, SK.

**SASKATOON TRUCK PARTS CENTRE Ltd.** North Corman Industrial Park. New and used parts available for 3 ton trucks all the way up to highway tractors, for every make and model, no part too big or small. Our shop specializes in custom rebuilt differentials/transmissions and clutch installations. Engines are available, both gas and diesel. Re-sale units are on the lot ready to go. We buy wrecks for parts, and sell for wrecks! For more info, call 306-668-5675 or 1-800-667-3023. www.saskatoontruckparts.ca DL #914394

**VS TRUCK WORKS Inc.** Parting out GM 1/2 and 1 ton trucks. Call 403-972-3879, Alask, SK. www.vstruckworks.com

**ONE OF SASK's largest inventory of used heavy truck parts.** 3 ton tandem diesel motors and transmissions and differentials for all makes! Can-Am Truck Export Ltd., 1-800-938-3323.

**WRECKING LATE MODEL TRUCKS:** 1/2, 3/4, 1 tons, 4x4's, vans, SUV's, Cummins, Chev and Ford diesel motors. Jasper Auto Parts, 1-800-294-4784 or 1-800-294-0687.

**LANDA PRESSURE WASHER, 1000 psi dsl. fuel fired; Parting out 2003 Cavalier; also 1985 Chevy 1/2 ton. 204-376-2495, 204-641-0603, Arborg, MB.**

**WRECKING SEMI-TRUCKS,** lots of parts. Call Yellowhead Traders, 306-896-2882, Churchbridge, SK.

**SOUTHSIDE AUTO WRECKERS** located in Weyburn, SK. 306-842-2641. Used car parts, light truck to semi-truck parts. We buy scrap iron and non-ferrous metals.

**WRECKING VOLVO TRUCKS:** Misc. axles and parts. Also tandem trailer suspension axles. Call 306-539-4642, Regina, SK.

**WRECKING TRUCKS: All makes all models.** Need parts? Call 306-821-0260 or email: junkman.2010@hotmail.com Wrecking Dodge, Chev, GMC, Ford and others. Lots of 4x4 stuff, 1/2 ton - 3 ton, buses etc. and some cars. We ship by bus, mail, Loomis, Purolator. Lloydminster, SK.

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3 MCI 102 47-49 passenger GM power, auto. trans. charter buses for sale. 306-398-2559 leave msg., Cut Knife, SK.

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**2016 SUBARU IMPREZA** consumer reports as best small car starting at \$23,360! Call for best price!! 1-877-373-2662 or www.subaruofsaskatoon.ca DL #914077.

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**TRAILERS**

**GRAIN TRAILERS 1505**

**EISSES GRAIN TRAILER Rental & Sales.** Super B grain trailers for rent by the day, week or month. Contact Henry at 403-782-3333, Lacombe, AB.

**2001 CANCADE TRI-AXLE, 3 hoppers,** good condition, safetied in January, newer tarp, \$25,000. 204-851-0284, Kenton, MB.

**GRAIN TRAILERS 1505**

**2015 AHV LODE-KING aluminum Super B** hoppers, extra light pkg., round stainless fenders, current safety, excellent 11Rx22.5 tires w/alum. wheels, exc. cond., no air lift or elec. tarps. 6 sets avail., \$90,000 OBO each. 1-866-236-4028, Calgary, AB.

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**NEW WILSON and CASTLETON tridems** and Super B's. 2008 tandem Lode-King; 1996 Castleton tridem, 2 hopper, spring ride; 2014 Wilson Super B; 2005 Lode-King Super B. Ron Brown Imp. DL #905231. 306-493-9393. www.rbisk.ca

**1998 DOEPLER SUPER B, 30'-32'x72'** in-sides, closed ends, air ride, 11x24 tires - 60%, some rust. 306-593-4419, Rama, SK.

**1998 42' WILSON 42' tandem grain trailer,** good cond. 403-740-4837, Endiang, AB.

**45' USED MICHEL'S ROLL TARP** on tube requires minor repairs to centre loop, offers. Gord 306-231-6360, Anaheim, SK.



**BERG'S END DUMP grain trailers w/Berg's** signature quality finish. Ph for Spring pricing specials and 30 day trials. Berg's Grain & Gravel Body 204-325-5677, Winkler, MB

**NEW NEW 2018 tri-axle 45', air ride, 78"** sides, Canadian made, \$53,000 low price. Buy now! Call 306-563-8765, Canora, SK.

**Consider it SOLD**  
1-800-667-7770

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

**LIVESTOCK TRAILERS 1510**



**2017 FEATHERLITE 7'x24', #H143380.** Reg: \$35,235. Sale: \$26,500. 3 Compartments. Edmonton/Red Deer, AB. Call 1-866-346-3148 or shop online 24/7 at: allandale.com

**CALL GRASSLAND TRAILERS** for your best deal on quality livestock trailers by Titan, Duralite and Circle D. 306-640-8034 cell, 306-266-2016, gm93@sasktel.net Wood Mountain, SK.

**1989 TANDEM CATTLEPOT, 48x8.5',** good cond., safetied to Oct. 2017, \$17,000 OBO. 204-655-3352, 204-655-3286, Sifton, MB.



**NEW WILSON BUMPER PULL MODEL** Desert Sales Inc. now stocks the Wilson Ranch Hand bumper pull. With over 15 years of sales and service, we will not be undersold. Bassano, AB., 1-888-641-4508. www.desertsales.ca

**2009 MERRITT HOG trailer, 53', 4** deck, new safety. 403-625-4658, Claresholm, AB



**2017 SUNDOWNER 24' all aluminum stock** trailer, #H1KB5137. Reg \$27,291. Special \$22,750. 3 compartments. Edmonton/Red Deer. Call 1-866-346-3148 or shop online 24/7 at: allandale.com

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**Last Weeks Answers**

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E	T	R	E	A	L	L	Y	E	Y					
T	A	S	H	L	I	N	O	C	T	A	N	E		

- ACROSS**
- He played the lead role in the Danish film *Pusher*
  - Room \_\_\_ (3 words)
  - Rutger Hauer in *Ladyhawke*
  - Initials of the actor who played Chief Phillips in *Apocalypse Now*
  - Film starring Olivia de Havilland and James Caan (4 words)
  - High* \_\_\_
  - Michael Lander was the pilot of one in *Black Sunday*
  - English actress Kari
  - Golden \_\_\_ Award (worst film award)
  - I'll See You \_\_\_ Dreams* (2 words)
  - Jo Van \_\_\_
  - Jessop who directed *Emma's War* starring Lee Remick
  - Cook at the Williamsburg Diner on *2 Broke Girls*
  - He starred in *Neighbors*
  - Half of a 2016 film starring Sarah Hyland on Netflix
  - Jannings from Switzerland
  - Canadian who played Megan Draper on *Mad Men*
  - Thoroughly \_\_\_ Millie*
  - Johnny \_\_\_* (2 words)
  - D.C. \_\_\_*
  - British musical film starring Olivia Newton-John</

**LIVESTOCK TRAILERS 1510**



2017 BISON TRAILHAND, 3-horse, 8' LQ #H2006096. Was \$47,900. Now \$42,900. AMVIC Lic. Dir. Call 1-844-488-3142 or shop online 24/7 at: allandale.com

**MISC. TRAILERS 1515**

24' GOOSENECK 3-8,000 lb. axles, \$7890; Bumper pull tandem lowboys: 18', 16,000 lbs., \$4750; 16', 10,000 lbs., \$3390; 16', 7000 lbs., \$2975, 8000 lb Skidsteer, \$1990 Factory direct. 1-888-792-6283. www.monarchtrailers.com

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

STEPDECKS: 48' TANDEM, \$12,000; Hi-boys, lowboys, vans, beavertails, car haulers, \$8000 and up. 306-563-8765, Canora

2009 BWS EZ-2-LOAD, step deck, 48' with 5' air controlled loading ramp, 9.5' deck width, triple axle, dual wheel, new certification. 780-482-5273, Edmonton, AB., group.6@outlook.com



NEW 2017 GERMANIC R20-2800 tandem scissor frame tub style end dump, 28'x102", air ride, hyd. lift gate, 11R22.5 tires, steel wheels, electric tarp, new Manitoba safety, can deliver. \$48,000. 204-743-2324, Cypress River, MB.



NEW 2017 GERMANIC R20-3500 tri-axle end dump, 36'x102", air ride, 11R22.5 tires, alum. outside wheels, manual flip tarp, new MB safety, can deliver, \$56,000. 204-743-2324, Cypress River, MB.

4 WILSON STEPDECKS 53' all aluminum trailers; front sliders for sale or lease. Phone 306-861-9362, Carlyle, SK.



1995 BEDARD 8000 gal. 3 compartment tanker, 3" pump, air ride, new MB safety, \$22,000, can deliver. Call 204-743-2324, Cypress River, MB.

FIBERGLASS ENCLOSED TA trailer; 4 Place TA 21 livestock trailer, no rust. 306-398-7259, leave msg, Cut Knife, SK.

TANKER TRAILERS: Stainless steel alum. potable, tandem and tri-axles, 4000-7500 gal \$12-\$18,000. 306-563-8765 Canora SK

DOEPKER 32x32' HI-BOY Super B's completely refurbished, over dimensional lights, Beacons, safetied, w/wo IH Eagle. Ph Hay Vern 204-729-7297 Brandon, MB.

1995 KALYN TA pintle hitch trailer, \$6700 plus GST. 403-651-8407, High River, AB.

DETACHABLE LOWBED: TA, beavertail, \$14,000; Belly dump: gravel tandem, air opening, \$14,000. 306-904-6835

TRADING: 32x32' hay trailers for a tri-axle end dump gravel trailer. Ph/tx Hay Vern 204-729-7297, Brandon, MB.

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

80 MISC. SEMI TRAILER FLATDECKS/stepdecks, \$2,500 to \$30,000. 10 heavy lowbeds, \$10,000 to \$70,000. Belly and end dumps. 306-222-2413, Saskatoon, SK. www.traileruy.ca

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



**BERGEN**  
306-363-2131  
WWW.BERGENINDUSTRIES.COM

**MISC. TRAILERS 1515**



2015 DAKOTA ALUM. seed tender with SS conveyer system, self-contained w/remote controls, or can be run off truck wet kit, exc. cond., fresh MB safety. 45'Lx102"W, loaded trailer, air ride, alum. outside rims, 11R24.5, \$107,000. Located at Kamsack, SK. Call 204-526-0748 or 204-526-0321.



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

2007 XL triple axle detach. neck lowbed w/rear flip-up axle, new: sandblasted, sils, paint and oak deck, new saftey, \$45,000. 204-871-0925, MacGregor, MB.

2 TRAILMASTER 25,000 litre 4 axle tank trailers. Offers. Phone 306-482-5121, Carnduff, SK.

**TRUCKS**

**NEWEST TO OLDEST 1595**



GROW SOYBEANS? If you grow 1000 acres earn a free new pickup truck every year and give last year's away. Free report at www.profitfromthebean.com

2016 FORD F250 Lariat diesel, shadow black, \$59,995. Greenlight Truck and Auto, Saskatoon, SK. www.GreenlightAuto.ca 306-934-1455, DL #311430.

2015 GMC SIERRA 1500 SLT, all-terrain, tire pkg., \$48,995. Greenlight Truck and Auto, Saskatoon, SK. 306-934-1455, www.GreenlightAuto.ca DL #311430

2015 FORD F250 Lariat diesel, sunroof, NAV, \$58,995. Greenlight Truck and Auto, Saskatoon, SK. www.GreenlightAuto.ca 306-934-1455, DL #311430.

2014 GMC SIERRA 1500 Denali, \$39,995, Just in! Greenlight Truck and Auto, Saskatoon, SK. Visit www.GreenlightAuto.ca or call 306-934-1455, DL #311430.

2014 FORD F150 Platinum, power board, black beauty, \$42,995. Greenlight Truck and Auto, Saskatoon, SK. 306-934-1455, www.GreenlightAuto.ca DL #311430.

1997 CHEV 1500, 3 door, 4x4, runs good, some rust, 465,000 kms, asking \$3495 OBO. Gary 306-823-4493, Neilburg, SK.

**FOUR WHEEL DRIVE 1670**

2013 CHEV SILVERADO 1500, quad cab, 4x4, 5.3 L, \$31,995. Greenlight Truck and Auto, Saskatoon, SK., 306-934-1455, www.GreenlightAuto.ca DL #311430.

2014 CHEV SILVERADO 1500 High Country, 2 to choose from. Greenlight Truck and Auto, Saskatoon, SK., 306-934-1455, www.GreenlightAuto.ca DL #311430.

2014 RAM 1500 SLT, 4x4, sunroof, eco-diesel, \$36,995. Greenlight Truck and Auto, Saskatoon, SK. www.GreenlightAuto.ca 306-934-1455, DL #311430.

2015 FORD F150 XLT, 4x4, Eco-Boost, matching toppler. Greenlight Truck and Auto, Saskatoon, SK. www.GreenlightAuto.ca 306-934-1455, DL #311430.

2015 RAM 3500 SLT, 4x4, loaded, diesel. Greenlight Truck and Auto, Saskatoon, SK., www.GreenlightAuto.ca, 306-934-1455, DL #311430.

**GRAIN TRUCKS 1675**

1975 GMC 6000 3 ton, 350, 31,269 mi., 14' steel B&H, rollup tarp, plumbed for drill fill, \$7000. 306-372-4509, Lusseland, SK.

1976 HEAVY 6500 GMC grain truck with 400 bu. box, roll tarp and new hoist. Call 306-778-3749, Swift Current, SK.

1979 FORD 9000, tandem, 671 Detroit, c/w 22' steel B&H, \$14,500. 780-679-7795, Camrose, AB.

**GRAIN TRUCKS 1675**

1980 IH 1954 17' grain box, tandem axle, 5&2 trans. Call Kelsey at 306-338-7291, Wadena, SK. frontiertandt@sasktel.net

1984 FORD F600, 14' wood B&H, roll tarp, 52,700 kms, 920 tires, original owner, shedded, \$9800 OBO. 780-361-7947, 780-352-2818, Gwynne, AB.

1994 FREIGHTLINER FL80, 8.3L Cummins, 10 spd., aluminum grain box 8.5'x20' c/w Shur-Lok tarp, remote chute opener and hoist, white, original 283,000 kms, exc. condition. 306-677-7400, Hodgeville, SK.



1998 FREIGHTLINER FL60, 5.9 Cummins, auto, 15' BH&T, 22.5 low profile, 9+17,500 rear, hyd. disc brakes, fresh Sask safety, \$34,900. Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

2008 WESTERN STAR, Eaton AutoShift, new 20' B&H elec. tarp; 2008 IH 7600 tandem, ISX Cummins 10 spd., new 20' BH&T; 2007 Peterbilt 330 S/A, Allison auto., new 15' BH&T; Ron Brown Imp. 306-493-9393, DL #905231 www.rbisk.ca

2009 MACK CH613, MP8 Mack eng., 430 HP 10 spd., AutoShift, 463,000 kms, exc. shape, new 20' box, A/T/C, \$73,500; 2009 IH Transtar 8600 w/Cummins eng. 10 spd., AutoShift, new 20' BH&T, 742,000 kms, exc. tires, real good shape, \$69,500;

2007 IH 9200, ISX Cummins, 430 HP AutoShift, alum. wheels, new 20' BH&R, fully loaded, 1,000,000 kms, real nice, \$67,500; 2009 Mack CH613, 430 HP Mack, 10 spd., AutoShift, new 20' BA&T, alum. wheels, 1.4 million kms, has bearing roll done, nice shape, \$69,500; 2007 Kenworth T600, C13 Cat, 425 HP 13 spd., AutoShift, new 20' BH&T, alum. wheels, new paint, 1.0 million kms, exc. truck, \$71,500; 1996 Midland 24' tandem pup grain trailer, stiff pole, completely rebuilt, new paint and brakes, exc. shape, \$18,500; 1999 IH 4700 S/A w/17' steel flatdeck, 230,000 kms, IH dsl., 10 spd., good tires, \$19,500; 1998 Freightliner tractor, C60 Detroit, 430 HP 13 spd., alum. wheels, sleeper, good rubber, \$17,500; 2005 IH 9200 tractor, ISX Cummins, 430 HP 13 spd., alum wheels, flat-top sleeper, good rubber, \$22,500. All trucks SK safetied. Trades considered. All reasonable offers considered. Arborfield SK. DL 906768. Call Merv 306-276-7518 res., 306-767-2616 cell.

2009 MACK T-800 20' B&H, MP7 320/350 HP 537,000 kms, 10 spd standard. Call Kelsey at 306-338-7291, Wadena, SK. frontiertandt@sasktel.net

2012 FREIGHTLINER TANDEM, fully loaded, remote tailgate and hoist, elec. tarper, 20' Courtney Berg box w/Harsh hoist, auto. trans., pintle hitch, 450 HP Detroit/Mercedes 13L eng., 21,000 kms., exc. cond., always shedded; 1980 F700 Louisville, 16' box w/roll up tarp, 370 eng., 82,000 kms., nearly new radial tubeless tires and rims. 780-889-3788, Heisler AB.

30+ TANDEM: Standards & Automatics, \$46,000 and up. Yellowhead Sales, 306-783-2899, Yorkton, SK.

ALLISON AUTOMATIC TRUCKS: Several trucks with auto. trans. available with C&C or grain or gravel box. Starting at \$19,900; 2002 IH 4400 DT466, Allison auto., 20' B&H, \$56,900. Call K&L Equipment, 306-795-7779, Ituna, SK. DL #910885. ladimer@sasktel.net

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

CAB AND CHASSIS: 2000 Sterling tandem, 435 HP Cat, 10 spd. trans, will take 20' box, extremely low kms, \$19,900. Call K&L Equipment, 306-795-7779, Ituna, SK. DL #910885. ladimer@sasktel.net

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

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

**GRAVEL TRUCKS 1676**

2012 IHC TRANSTAR, low pro, Max 300 HP diesel Allison auto. trans., single axle, loaded cab, 13' Armstrong landscaped dump, \$39,900; 2006 CHEV 1 TON dump truck w/10' gravel dump, \$14,900. K&L Equipment and Auto. Call Ladimer, 306-795-7779, Ituna SK. DL #910885.

ATTENTION GRAVEL HAULERS: 6 tandems in stock, 1998-2007; 2013 Cascade tri-axle end dump; Tri-axle 18' dump. Yellowhead Sales, 306-783-2899, Yorkton, SK

**SEMI TRUCKS 1677**

1981 IHC F2574 671 13 spd., 240 WB, 20' B&H c/w silage gate, \$22,000. During the day, call 403-932-2131, Cochrane, AB.

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

1995 WESTERN STAR Conventional w/2007 tri-axle GravHaul endump trailer, \$38,000 plus GST; 1994 Mack CH613 w/1990 Midland TA endump, \$13,000 plus GST. 403-651-8407, High River, AB.

2000 MACK, daycab, 18 spd., 3-way locks, 460 HP eng. brake, fleet vehicle, 1.2M km, \$18,750 OBO; 2006 KW T800, C13 Cat, 13 spd., 430 HP, 1.6M kms, service history fleet vehicle; 2008 Pitts 50T tri-axle drop deck, new wood floor, tires 90%, w/ramps, \$34,500. Ph. 306-291-4869, Dundurn, SK.

2002 INTERNATIONAL 9200i, S/A, Detroit 60 Series, 12.7 L, 430 HP w/eng. break, 72" hi-rise double bunk sleeper, 13 spd. w/3.73 gear ratio and locking diff., 238" WB, 80% rubber, \$13,000 OBO. Call Reiner at 306-270-2152, Saskatoon, SK.

**SEMI TRUCKS 1677**



2001 FL80, 12&23, air ride, 300 HP Cat, automatic, aluminum, AC, 330,000 kms! Fresh Sask safety, very premium, low km tractor, \$25,900. Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

2003 KENWORTH W900L, Cat C15, 475-550 HP 18 spd. heavy 40' rears, 4:11 ratio, high level VIT int. w/leather seats. 306-786-6600, Yorkton, SK.



2005 VOLVO 630 mid-roof, ISX Cummins 450 HP, 317,000 kms since in-frame in 2015, Meritor auto. trans., as is \$19,900. 204-761-7797, Brandon, MB.

2006 FREIGHTLINER Columbia, 425 HP Mercedes 10 spd., wet kit, 2-way diff. locks, \$17,500; 1997 Volvo daycab, 375 HP 13 spd., \$12,500; 1996 KW N14 Cummins, 500 HP, 18 spd., 2-way lockers, \$27,500. 306-596-4231, Regina, SK.

2006 WESTERN STAR, Series 60 Detroit, 18 spd. trans., 46 rears, 450,000 kms, \$7,000 work order, fresh CVIP, \$39,000. 780-983-0936, Clyde, AB.

2012 CASCADIA DD15 fresh eng., new 18 spd. trans. & clutch, 640,000 kms., good rubber, deleted. 306-831-6901, Rosetown

2016 VOLVO 670 w/warranty; 2014 730, D16 eng., 18 spd.; 2012 Volvo 630, D16 engine deleted. 204-466-2927, Austin MB

**TITAN TRUCK SALES**  
204-685-2222  
For Full Details on all available trucks please visit www.titantrucks.com

2012 Kenworth W900L - 692,330KM Price ..... \$75,000  
2012 Kenworth W900L - 743,820KM Price ..... \$75,000  
2012 Kenworth W900L - 922,081KM Price ..... \$73,000  
2014 Mack CXU613 - 454,332KM Price ..... \$72,000  
2012 Kenworth T800 - 592,094KM Price ..... \$69,000  
2012 Peterbilt 389 - 1,050,071KM Price ..... \$69,000  
2012 Kenworth T800 - 457,600KM Price ..... \$65,000  
2012 Kenworth T800 - 686,870KM Price ..... \$59,000  
2012 Kenworth W900B - 809,364KM Price ..... \$65,000  
2012 Kenworth W900B - 826,742KM Price ..... \$65,000  
2012 Kenworth W900B - 832,553KM Price ..... \$65,000  
2012 Kenworth W900B - 967,403KM Price ..... \$65,000  
2012 Peterbilt 386 - 754,325KM Price ..... \$49,000  
2012 Peterbilt 386 - 786,549KM Price ..... \$49,000  
2013 Kenworth T800 - 930,364KM Price ..... \$47,000  
2012 Kenworth T660 - 749,365KM Price ..... \$47,000  
2012 Kenworth T660 - 816,785KM Price ..... \$47,000  
2011 Freightliner Cascadia 740,848KM - Price..... \$45,000  
2011 Freightliner Cascadia 848,912KM - Price..... \$45,000  
2010 Freightliner Cascadia 798,765KM - Price..... \$39,000  
2010 Freightliner Cascadia 986,500KM - Price..... \$39,000  
2011 Mack CXU613 - 1,091,290KM Price ..... \$34,000  
2007 Freightliner SD - 1,087,686KM Price ..... \$29,000  
2009 Mack CXU613 - 1,001,309KM Price ..... \$26,000  
2009 Mack CXU613 - 1,013,743KM Price ..... \$26,000  
2009 Mack CXU613 - 1,039,081KM Price ..... \$26,000  
2009 Mack CXU613 - 1,145,731KM Price ..... \$26,000  
2009 Mack CXU613 - 1,263,573KM Price ..... \$26,000

**SEMI TRUCKS 1677**



2009 KENWORTH W900L, 485 HP ISX, 18 spd., 3:70 rears, 244 WB, new 22.5 rubber, 1.4 million kms, \$54,500. 204-867-7291, Minnedosa, MB.



2011 VOLVO 730, 77" mid-roof, Volvo D16-550 HP 18 spd. trans., Super 40's, as is, \$44,900. 204-761-7797, Brandon, MB.

2012 KENWORTH T-800 PX13, 455 HP 13 spd., 12/40, 3-way locks, black color, 3 in stock. Call Kelsey 306-338-7291, Wadena, SK. frontiertandt@sasktel.net

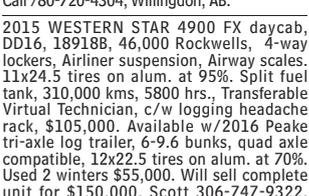


2012 MACK PINNACLE CXU613, 34" flat-top sleeper, removable roof fairing, Mack MP8, 455 HP, Eaton 13 spd trans, safetied, \$42,000. Norm 204-761-7797 Brandon MB

2013 KENWORTH T-800 ISX 485, 18 spd., 12/46, 42" sleeper, 3:91, 375,000 kms, 6900 hours. Call Kelsey 306-338-7291, Wadena, SK. frontiertandt@sasktel.net

2013 MACK RAWRIDE, auto. trans., heavy rear end, 505 HP c/w 2015 Etnyre Black Hawk equipment trailer, 10'W, tridem lift axles, alum. wheels, pullouts. Great for Farm Dealership. Sell as unit or separately. Call 780-720-4304, Willingdon, AB.

2015 WESTERN STAR 4900 FX daycab, DD16, 18918B, 46,000 Rockwells, 4-way lockers, Airliner suspension, Airway scales, 11x24.5 tires on alum. at 95%. Split fuel tank, 310,000 kms, 5800 hrs., Transferable Virtual Technician, c/w logging headache rack, \$105,000. Available w/2016 Peake tri-axle log trailer, 6-9.6 bunks, quad axle compatible, 12x22.5 tires on alum. at 70%. Used 2 winters \$55,000. Will sell complete unit for \$150,000. Scott 306-747-9322, Tom 780-713-5967, Shellbrook, SK.



AUTOMATIC DAY CAB Heavy Spec, 2009 FTL D15, Eaton 18 spd. AutoShift w/pedal, 12 front, 46 rrs, 186" WB, inspected, nice truck, 1,079,820 kms, \$39,900 OBO. Bert 604-819-6477. www.exxel.ca DL #31180.



AUTOMATIC INTERNATIONAL W/SLEEPER, Eaton AutoShift w/pedal, 2002 Int. 9200i, Cat C12, Max HP 445, wet kit, 12 front, 40 rear, engine brake, air ride, 213" WB, 48" mid roof, diff lock, 1,259,390 kms, inspected, clean truck, \$24,900 OBO. Bert at 604-819-6477. www.exxel.ca DL #31180. 604-819-6477, 604-392-9944, Chilliwack, BC. equipment@shaw.ca www.exxel.ca



KENWORTHS: 2008, 2007 T800, 500 Cat 18 spd., 46 diff. walkers; 2009 T660, new pre-emission, 525 ISX, 18 spd., 46 diff., lockers; 2008 T800 daycab, 500 Cat, 18 spd., lockers, new clutch and trans; 1996 T800, Cat, 13 spd., rebuilt trans., diffs and injectors; 2006 Pete 379, daycab, 500 Cat, 18 spd., lockers, new rebuilt engine, new clutch; 2005 Mack CH613, 18 spd, lockers, wet kit, 450,000 kms; 2- 1996 FLD 120 Freightliners, 425 Cat, 430 Detroit, lockers. Ron Brown Implements, Delisle, SK., phone 306-493-9393. DL #905231 www.rbisk.ca



REPOSSESSED 2012 PETE 388, heavy spec, 550 HP 18 spd. full lockers, new SK safety, sold by bids only. Saskatoon, SK. Contact bailiffservices@sasktel.net

**SEMI TRUCKS 1677**

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

TWO INTERNATIONAL LONESTAR "Harley-Davidson Edition's" 1-2010, 828,403 kms, 18sp 3:70, 40m axle, Cummins 525, engine R + R at 206,510, Roo Bumper, H/A rack \$72,000; 2-2011, 1,101,487 kms, 18 spd 3:70, 40m axle, Cummins 525, Engine R + R at 323,244, Roo Bumper, H/A rack, \$70,000. Call 403-888-8583, Calgary, AB.

**SPECIALIZED TRUCKS 1680**

2008 GMC VAN 26', 4' barn door in back,

**LUMBER 2520**

ROUGH LUMBER: 2x6, 2x8, 2x10, 1" boards, windbreak slabs, 4x4, 6x6, 8x8, all in stock. Custom sizes and log siding on order. Call V&R Sawing 306-232-5488, Rosthern, SK.

**RAILWAY TIES:** \$16 each or \$350 for a bundle of 25. Phone 1-800-667-4515. www.combineworld.com

**ROOFING 2550**

TRUSSES: 35' trusses, 6/12, 20 pieces, \$2500 OBO; 20' mono trusses, 4/12, 40 pcs, \$2000 OBO; 22' trusses, 4/12, 16 pcs, \$1500 OBO. 306-668-0199 Martensville SK

**WANTED: METAL ROOF PANELS** for a Fairford 50' wide quonset. 204-834-3012, Carberry, MB.

**CONTINUOUS METAL ROOFING**, no exposed screws to leak or metal overlaps. Ideal for lower slope roofs, rinks, churches, pig barns, commercial, arch rib building and residential roofing; also available in Snap Lock. 306-435-8008, Wapella, SK.

**SUPPLIES 2570**

NEW GALVANIZED TIN sheeting, 4x6; Also curved interlocking galvanized pieces available. 780-826-0212, Cold Lake, AB. Email: homermckale@yahoo.ca

**SHINGLES COLORS \$1999 BDL**  
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Horizontal Gliders .....From \$88.49  
Vertical Gliders .....From \$139.99  
Casement Windows .....From \$239.99  
Basement Inswing Awning...From \$202.48  
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• Matching  
• Accessories Available!!!  
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**Burton Lumber**  
306-652-0343, Saskatoon, SK

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**BUILDINGS 2601**

**REPAIRS TO ALL MAKES** of grain bins, farm & commercial buildings. Peterson Construction, 306-789-2444, ask for Len.

**NGCI**  
CREATING PATHWAYS FOR TOMORROW

**Neyaskweyak Group of Companies Inc. ("NGCI")**, on behalf of the Ermineskin Cree Nation, seeks an experienced partner or group of partners to take over existing farming leases, amalgamate our lands and develop Ermineskin Cree Nation's land to its best and highest use.

Ermineskin Cree Nation (on reserve) lands consists of 16,500 acres of cultivated chemozemc (black soil) and 3,500 acres (off reserve) non-cultivated forest and pasture located within the County of Wetaskiwin (the "Lands"). The Lands are valued in excess of \$60 million.

The mandate of NGCI is to achieve self-sufficiency and sustainability through long-term investments and business development. NGCI's mission is to promote and maintain viable and profitable businesses and investments that create employment and enhance human capacity.

**Scope of Work**  
The proposed engagement may include, without limitation, the production of oilseed, grain, forage and pulse crops; grow vegetable and greenhouse crops and establish dairy, beef, hog, poultry, sheep herds or other agricultural products (the "Work").

All other terms relating to the performance of the Work, payment, profit sharing, the amount of the Lands to be cultivated, the exact nature of the Work is to be negotiated.

**Responding to the Request for Interest:**  
Those who have interest in performing the Work should contact NGCI to express interest.

NGCI will provide further information relating to the Lands upon request.

Please address any inquiries in writing to **Mr. Sam Minde, President & CEO of NGCI,**  
E-mail: **sam@ngcinc.ca** no later than **June 30, 2017.**

**Please Note:** This request for interest is not intended to create contractual relations of any kind and is a request only for interested parties to provide further information and to solicit expressions of interest in performing the Work. NGCI shall not be responsible of any costs or expenses incurred by interest parties in responding to this request for interest.

**BUILDINGS 2601**

16 UNIT COMPLEX w/90 offices. Consists of 16 12x60 frameless units. Willing to separate. Call 780-983-0936, Clyde, AB.

COVER-ALL 40x60' TRUSS arch shelter, dismantled. Offers. Phone 306-563-6022, Canora, SK.

**BUSINESS OPPORTUNITIES 2800**

**GREAT OPPORTUNITY!** FOR sale Furnace Cleaning business (SE SK). Client base spans 40 plus years. Significant revenue history and potential. Serious inquiries only please. Call 306-485-7538.

**LARGE BUILDING AND** property on Broadway Ave, Yorkton, SK.; Large building in Prince Albert, SK.; 3 lots on South service road, Weyburn, SK.; Tempo/Tire shop #48 Hwy. Windthorst, SK, independent auto repair business for sale in Regina; Hotel and restaurant on Hwy.#48; 160 acres near Regina w/yard and business opportunity; SW SK. restaurant, lounge incl, 15 room motel. Brian Tiefenbach, 306-536-3269, Colliers Int. Regina, SK. www.collierscanada.com

**SAND AND GRAVEL BUSINESS:** Close to Regina (on primary), very good pit lease, new cone crusher and 3-deck screener, lots of newer equipment, trucks, genset, inventory. Customer base and over \$1,000,000 gross 2016, \$1,750,000. 306-536-5055, norm@skynorth.com

**MANUFACTURING BUSINESS:** Welding and light fabricating. One-of-a-kind product. Mainly Ag. Peak sales Sept - March. Owned for 30 years, room for growth. Relocatable, \$195,000 plus inventory; 50'x70' shop, \$350,000. 306-446-4462, North Battleford, SK. glelias@hotmail.com

**BUSINESS SERVICES**

**FINANCIAL/LEGAL 2902**

**FARM/CORPORATE PROJECTS.** Call A.L. Management Group for all your borrowing and lease requirements. 306-790-2020, Regina, SK.

**DEBTS, BILLS AND** charge accounts too high? Need to resolve prior to spring? Call us to develop a professional mediation plan, resolution plan or restructuring plan. Call toll free 1-888-577-2020.

**CHEMICALS 3150**

15 FIVE GALLON pails of liquid Avadex BW. Offers? Phone 306-868-2006, 306-868-7705 Avonlea, SK.

**COLLECTIBLES 3200**

**OLDER COMIC BOOKS** wanted by private collector. 403-578-7033, Calgary, AB. william.heidecker@gmail.com

**CONTRACTING**

**CUSTOM COMBINING 3520**

**SPRING OR FALL CUSTOM** Combining: Two 8240 Case/IH combines, flex heads or Pick Ups. AB and SK. Call 306-293-7413

**CUSTOM SEEDING 3527**

**CUSTOM SEEDING:** 70' Case/IH 700 double shoot air drill. AB and SK. Call 306-293-7413, based in High River, AB.

**CUSTOM SEEDING - Full service.** Now booking. References available. Call Lynden at 306-255-7777, Colonsay, SK.

**CUSTOM PLANTING:** Corn, sunflowers and soybeans. In Sask. and Manitoba. Call 306-527-2228.

**CUSTOM TRUCKING 3550**

**LARRY'S EQUIPMENT HAULING:** Farm machinery and construction equipment. Serving Western Canada. 780-720-4304.

**EQUIPMENT TOWING/ HAULING.** Reasonable rates. Contact G H Wells Services and Trucking, 306-741-9059, Morse, SK.

**CUSTOM TRUCKING 3550**



**EQUIPMENT HAULING.** Serving Western Canada and Northwest USA. Call Harvey at 1-877-824-3010 or cell 403-795-1872. Vandenberg Hay Farms Ltd., Nobleford AB. Email: logistics@vandenberghay.ca

**ANDRES TRUCKING.** Equipment, bins, livestock, air drill towing. Canada/USA. Call or text 306-495-8800, South East, SK.

**LONG LAKE TRUCKING,** two units, custom hay hauling. 306-567-7100, Imperial, SK.

**CUSTOM WORK 3560**

**GENERAL BLASTING WORK,** beaver dams, stones, etc. Serving Western Sask. 306-398-7668, Cut Knife, SK.

**BRUSH MULCHING.** The fast, effective way to clear land. Four season service, competitive rates, 275 HP unit, also available trackhoe with thumb, multiple bucket attachments. Bury rock and brush piles and fence line clearing. Borysiuk Contracting Inc., www.bcisk.ca Prince Albert, SK, 306-960-3804.

**NEUFELD ENT. CORRAL CLEANING,** payload, Bobcat with rubber tracks and vertical beater spreaders. Phone 306-220-5013, 306-467-5013, Hague, SK.

**MULCHING- TREES, BRUSH, Stumps.** Call today 306-933-2950. Visit us at: www.maverickconstruction.ca

**FORESTRY MULCHING:** Clearing farmland, fence lines, shelter belts, road allowances, brush cutting with GT25, 230 HP. Reasonable rates. JDAR Contracting, 306-232-7525, 306-280-5749, Hague, SK.

**INDUSTRIAL FEHR.** CUSTOM size feeders, panels and windbreaks. 306-315-3416, Pontoix, SK. fehr4265@gmail.com

**REGULATION DUGOUTS:** 120x60x14', \$2000; 160x60x14', \$2950; 180x60x14', \$3450; 200x60x14', \$3950; Larger sizes available. Travel incl. in Sask. Gov't grants available. 306-222-8054, Saskatoon, SK.

**WILL DO CUSTOM FENCING** new and repair barbwire fences. Lazy J Ranch, Jesse Wagner at 306-662-8557 Fox Valley, SK.

**LOOKING FOR CUSTOM FARM WORK** seeding, spraying and combining. Call for pricing and to book spring acres. Call Mike 306-469-7741, Big River, SK.

**2017 CUSTOM FARMING Services** available. Seeding, spraying, swathing and harvesting. Contact Joe at 306-331-9393, email: joe@mfiag.com Website: www.mfiag.com

**LAND CLEARING.** Rock picking and digging, stone piles, brushing, fencing, demolition. 306-291-9658, Vanscoy, SK.

**CONSTRUCTION EQUIPMENT 3600**

**2004 CAT D6N** dozer with 6-way blade and ripper, \$78,000. Call 204-871-0925, MacGregor, MB.



**2013 JCB 550-140 TELEHANDLER,** bought new in 2015, 1825 hrs., diesel power, PS trans., 4 WD, 4-way steering, very good tires, 10,000 lb. capacity, 45' reach height, hydraulic outriggers, full cab w/heat and A/C, c/w 1.8 yard bucket and pallet forks. 3 yd. bucket optional, Andrew, AB. Call Bill, 780-365-2020, 780-210-0800.



**2008 CASE 210B Excavator,** Isuzu 4 cyl., rebuilt hyd. pump w/1 year warranty, new UC, resealed hyd. boom cyl., \$79,000; 2011 Hitachi 270CL-3 Excavator, Isuzu 4 cyl., 5' WBM bucket w/hyd. thumb, 2-spd., 8692.5 hrs. AC, heater, exc. cond., \$125,000; 2004 Deere 230CLC Excavator, rebuilt eng., main hyd. pump, 11 months warranty, new UC, all cyl. resealed, manual thumb, QA bucket, exc. cond., can deliver, \$76,000. 204-743-2324, Cypress River MB.

**CAT 9805C LOG grapple fork,** bucket, new tires; Case 2870, Deg. dozer 4x4; 1981 GMC 17' B&H. 306-236-8023, Goodsoil, SK

**2011 HITACHI ZX270 LC-3** hyd. thumb excavator, Cat walks, 6950 hrs., 12' 6" stick, c/w QA bucket, exc. cond. \$115,000. 204-325-8019, 204-362-1091, Winkler, MB

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

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**D8H TRACK w/new 26"** Severe Service pads; 1000 gal. steel fuel tank w/stand; Building moving dollies. 306-398-2559, Cut Knife, SK.

**RECLAMATION CONTRACTORS:** Bigham 3 and 4 leg mechanical trip 3 pt. hitch Paratills in stock; parts for Bigham and Tye Paratills. Call Kelloughs: 1-888-500-2646.

**JOHN DEERE 772BH** grader, with snow wing, good running condition. Call 306-238-4411, Goodsoil, SK.

**CONSTRUCTION EQUIPMENT 3600**



**TEREX 8230 B DOZER,** V8 71 T Detroit eng., 385 HP straight tilt blade, 26" pads, UC like new, bush canopy, exc. cond., can deliver, warranty, \$72,000; Terex 8240B crawler dozer, V8 871 Detroit eng., straight tilt dozer, powershift, 26" pads, bush canopy, exc. cond., can deliver, warranty, S/N #56729, 4957 hrs., \$69,000. 204-743-2324, Cypress River, MB.



**CAT TELEHANDLER** Model TH460B, 4 WD, heated cab, cab guard, \$32,000. Clyde, AB., call 780-983-0936.



**1999 CASE TRENCHER,** HD, 1927 hrs., 60 HP diesel, 2 spd. hydro., trans., 4-wheel steering, 6-way blade, D125 backhoe with outriggers, 6' HD chain, exc. cond. \$22,500, 306-648-7172, Gravelbourg, SK.

**UNRESERVED AUCTION** May 9, 2017, Regina, SK. Bobcat S650 skidsteer at www.canadianpublicauction.com

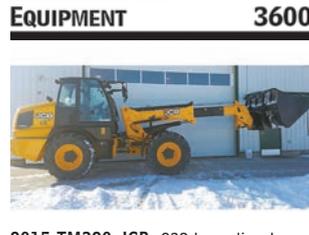
**HYDRAULIC SCRAPERS:** LEVER 60, 70, 80, and 435, 4 to 30 yd. available. Rebuilt for years of trouble-free service. Lever Holdings Inc. 306-682-3332 Muenster, SK.

**CAT HYDRAULIC PULL SCRAPERS:** 463, 435, 80 and 70, all vg condition, new conversion. Also new and used scraper tires. Can deliver. 204-793-0098, Stony Mountain, MB.

**1978 CHAMPION 740 Motor Grader,** Detroit 6 cyl., showing 2568 hrs., 14' Moldboard, scarifier, cab, new rear tires, \$19,800. Visit www.combineworld.com 1-800-667-4515.

**SKIDSTEER:** 2008 CASE 465 Series III, cab, heat, new tires, 2700 hrs., \$21,000. Call 306-940-6835, Prince Albert, SK.

**CONSTRUCTION EQUIPMENT 3600**



**2015 TM320 JCB,** 938 hrs., diesel power, PS, 4WD articulating steering, excellent condition, 7500 lb lift, 17' lift, full cab with heat & AC, c/w 3 yard bucket. Warranty Expires Oct 27, 2017. Andrew, AB. Call Bill, 780-365-2020 or 780-210-0800.



**2003 DEERE 544H** wheel loader, with Q/A bucket, rebuilt trans, 12,013 hrs. Machine is in vg cond., all around pins are tight! \$65,000. Can deliver. 204-743-2324 any time. Cypress River, 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

**REX PULVI-MIXER ROTOTILLER 8,"** Detroit diesel, cab, work ready, \$8200. 306-783-8783, Yorkton, SK.



**2003 VOLVO G740B** tandem drive, snow wing Volvo D10 (219-243 HP), 8400 direct drive powershift (8 fwd, 4 reverse), Articulated frame, 14' moldboard, 12,056 hrs., \$39,900. Norm 204-761-7797 Brandon MB

**KELLO DISC BLADES** and bearings: 22" to 42" notched. Parts: oilbath and greaseable bearings to service all makes of heavy construction discs. Call: 1-888-500-2646, Red Deer, AB. www.kelloughs.com

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**SKIDSTEER ATTACHMENTS:** Buckets, rock buckets, grapples, weld-on plates, hyd. augers, brush cutters and more large stock. Top quality equipment, quality welding and sales. Call Darcy at 306-731-3009, 306-731-8195, Caran, SK.

**HYD. PULL SCRAPER 621** conversion, exc. machine. Call 780-983-0936, Clyde, AB.

**CAT 435 HYD. Scraper,** 12-14 yards, vg cond, \$34,000; Fiat-Allis FL14-B Crawler, vg cond., \$14,000, 204-638-1722, Dauphin

**740 CHAMPION GRADER,** 1984, 8.3 Cummins eng., snow wing, ready to work. \$26,000. Call 306-563-8765, Canora, SK.

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**FOR SALE:** Used telehandlers, boom lifts and skid steers. Call 403-396-7078, www.dbequipsales.com



**2003 DEERE 544H** wheel loader, with Q/A bucket, rebuilt trans, 12,013 hrs. Machine is in vg cond., all around pins are tight! \$65,000. Can deliver. 204-743-2324 any time. Cypress River, MB.

**JD 844J** wheel loader, 14,000 hours, exc. condition. Call 780-983-0936, Clyde, AB.

**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

**REX PULVI-MIXER ROTOTILLER 8,"** Detroit diesel, cab, work ready, \$8200. 306-783-8783, Yorkton, SK.



**2003 VOLVO G740B** tandem drive, snow wing Volvo D10 (219-243 HP), 8400 direct drive powershift (8 fwd, 4 reverse), Articulated frame, 14' moldboard, 12,056 hrs., \$39,900. Norm 204-761-7797 Brandon MB

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



**1981 DRESSER TD 20 E** Dozer, Cummins 8.3 eng., new UC 26" pads, rebuilt trans., torque, steering, 14' twin tilt angle blade, bush ready, root rake avail. at extra cost, winch, 60 hr. warranty, S/N #031911, unit weight is 49,000 lbs., can deliver, \$76,000. 204-743-2324, Cypress River, MB.

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

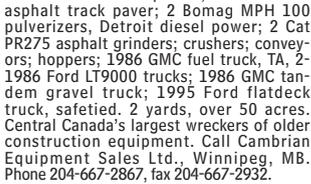


**KOMATSU D85 P-21** dozer, rebuilt motor, trans., torque, steering, final drives, 85% UC, 36" pads like new, 16' twin tilt angle blade, AC, heat, warranty, \$98,000. Can deliver. 204-743-2324 any time Cypress River, MB.

2004 CAT D7R XR hyd. angle tilt dozer, 3 shank ripper, very good condition. 780-983-0936, Clyde, AB.

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2008 CAT D6NLP Crawler loader, 9800 hours, w/ripper, 6-way dozer. Please call 780-983-0936 for price. Clyde, AB.



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

**KUBOTA EXCAVATOR KX080-3**, 10 ton, 2011, 1800 hrs, CAH, wrist-o-twist bucket, \$58,000. 306-940-6835, Prince Albert, SK.



**LANDMASTER DOZER:** Professionally Engineered & Manufactured. Lease to own. Zero down. Semi-annual payments. Lease term up to 72 months. Call for details and pricing. Sask - Neil 306-231-8300 or Alta. Gord, 780-913-7353. landmaster.ca

24"x48" PARKER GRAVEL screener, 48x120' screen deck plus several different screen sizes. Call 306-482-5121, Camduff, SK.

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

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

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

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**NATIONAL MOWER REEL** lawn mower, 8' PTO driven, hydraulic wing lift, fair cond., \$700. 403-896-0470, Trochu, AB

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5 WESTEEL, 2 Twister bins, 19' dia., bins in good cond., suitable for hopper cones, 4000 bu. ea. Pick up. RM 129, 8 mi S, 8 mi. W of Regina. Twister \$3000 each OBO; Westeel, \$4000 each OBO. 306-536-5475, or email: ordstrauch@accesscomm.ca

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**Summer Special:** All aviation, commercial and farm, post & stud frame buildings on sale! Standard and custom sizes available. Door options include bi-fold, overhead and sliders. Book early to receive free delivery!! Call 306-220-2749, Hague, SK., www.newtechconstruction.ca

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

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**2005 PETERBILT STAHLY**, Cummins, Allison auto, New Leader 13020 G4, monitor, New Leader controller, Starlink GPS 4145 hrs, \$78,000; **2004 Peterbilt**, Cummins, Allison auto, 1800 gal stainless, 80' boom, Raven controller, Raven AutoSteer, Raven section shutoff, 4270 hrs, \$65,000. USD prices. 406-576-3402, 406-466-5356, Choteau, MT. www.fertilizerequipment.net



**2012 PATTISON PLS3300 Liquid Fert. Wagon**, w/Honda GX-200 6.5 HP, S/N #PLS123300DD, hyd. pump, 1" return line, 2" supply line, very good condition, \$40,000 OBO. Mark 306-660-7802, Indian Head, SK or email: marc@delagefarms.ca

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**RANCO VOLUMETRIC Model 5**, built 2005, 3 phase, 90 AMP, 15 HP max. 5 compartments w/dual metering augers in 3 compartments. Additive hopper w/auger and motor, U-trough extension with screw. Various additional equipment. Hefty Seed, Mohall, ND. 701-756-7333 or John at 701-833-4900. john.cook@heftyseed.com



2011 4520 1-bin, 70' booms, \$138,000; **Special: 2010 Case 3520, 3-bin, 3 wheeler, \$93,000**; Two 2007 Case 4520's, 3-bin, 70' booms, 3300 hrs., AutoSteer, \$134,000 and \$98,000; 2006 Case 4510, AutoSteer, FlexAir 70' booms, 7400 hrs., \$77,000; 2005 Case 4520 w/70' Flex-Air, 4000 hrs., \$78,000; 2004 Case 4010, 80' SPRAYER, 7000 hrs., \$58,000; 2-2004 Loral AirMax 1000s, 70' booms, immaculate, \$76,000 and \$62,000; 2006 2-bin AgChem, 70' booms, \$58,000; 2004 KBH Semi tender, self-contained, \$32,500; 2009 and 2012 Merritt semi belt tender, self-contained, \$33,500 and \$44,000; 24 ton Wilmar tender beds, \$18,500 ea; 2010 Wilmar Wrangler 4560, loader, 1600 hrs., \$25,500; 2009 Wrangler, 2400 hrs., \$23,500; 18,000 gal. NH3 holding tank, \$34,500. All USD prices. 406-576-3402, 406-466-5356, Choteau, MT. Visit on-line: www.fertilizerequipment.net

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2010 TERRAGATOR 8204 w/AirMax Precision 2 1000 bed, 4400 hrs., \$93,500 USD; 2008 Ag-Chem 8244 4 WD, airflow bed, 70' booms, \$69,500 USD; 2006 8204 twin bin, 5600 hrs., \$59,000 USD. Choteau, MT phone 406-576-3402 or 406-466-5356, www.fertilizerequipment.net

**GRAIN AUGERS 4115**

2009 FARM KING 1385, hyd. swing mechanical drive, \$12,000. Call Ron 306-648-5394, Ferland, SK.

2012 BRANDT 1545 conveyor, exc. cond., \$19,000. 306-648-3622, Gravelbourg, SK.

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

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

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**WANTED:** 10"x 60"-70" swing auger, complete with reverser. Call 780-405-8089, Tofield, AB.

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2016 **MANDAKO 1200** bu. grain cart, steering axle, hyd. susp., \$74,900. Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

2007 **BOURGAULT 1100** grain cart, exc. condition, \$39,500 OBO. Phone 306-236-6839, Meadow Lake, SK.

2007 **BRENT MODEL 620** grain cart, PTO or hydraulic drive, new condition, \$21,000. Call 306-577-8771, Carlyle, SK.

**GRAIN CLEANERS 4121**

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

**KWIK KLEAN 572**, w/3 sets screens, electric drive, mint cond, always shedded, \$6000 OBO. 204-223-6193, Lorette, MB.

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

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**FOREVER 54 DUSTLESS** screen cleaner, complete working order, includes machine, stands, screens, 15' bucket elevator, 58 screens in total for cleaning wheat, barley, oats, flax, canary grass, peas. Come see it in action. 306-563-6244, Canora, SK.

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2003 **JD 348** square baler in excellent cond., shedded; Also NH 1063 bale wagon, very good cond., carries 160 square bales. Call 204-476-2401, Neepawa, MB.

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**MOWER CONDITIONERS 4142**

2005 MACDON, 14' 912 auger header, w/ 722 conditioner, purchased new, Dec. 2007, single knife drive, good condition, \$27,000 OBO. 204-836-2116, St. Alphonse, MB. g.delicthe@gmail.com

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2015 JD W150 435D, PU reel, fore/aft, double knife drive, hydraulic tilt, free form roller, integrated GPS, 147 engine hrs. Call 306-537-9636, Riceton, SK.

MASSEY 30' QUICKFOLD PT w/brand new canvasses, \$1000 OBO. 306-460-9027, 306-463-3480, Flaxcombe, SK.

2008 NH H8040 SP Windrower, 36', PU reel, fore/aft., Roto-Shears, rear axle suspension, 920 hrs. pea auger, \$67,500. Can be seen at Shoal Lake Farm Equipment, Shoal lake, MB. Call Ron at 204-895-1064.

**H/H VARIOUS 4151**



FARM KING 2450S bale mover, hauls 14 5x6 bales, hi/low range, in cab controls, \$27,900. Call 403-843-3700, Rimbey, AB. Email: alYork@rimbeyimplements.ca

JD 300 16' hay header, fits 23, 2420, 3830, \$3000; Ford Major dsl. w/loader and blade \$5500. Call 306-236-8023, Goodsoil, SK.

**COMBINES**

**CASE/IH 4160**

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

1981 INT. HARVESTER C 1440, 1179 hrs., header/reverser, axial-flow, AC, Melroe 378-10 PU reel, shedded, 250-785-5365, 250-262-7840, Fort St. John, BC.

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

CASE/IH 1482 PT combine w/reverser and Victory PU, always shedded, vg cond., \$1200. 306-210-8186, Reward, SK.

**JOHN DEERE 4178**

2008 JD 9870 STS, Greenlighted from 2012-2016, no peas, always shedded, \$65,000+ work orders in last 5 years. Serviced at Agland, Lloydminster. GreenStar ready, 1838 eng./1227 sep. hrs., \$205,000 OBO. Call 780-205-4423, Lashburn, SK.

2009 JD 9770 with 615 Pea header, Auto HHC, grain tank extensions, 2600 GreenStar display monitor and StarFire receiver incl., less than 100 hrs. since Greenlight, 1523 sep hrs., duals, excellent condition, always shedded, \$188,000 OBO. Call 780-877-2518, Ferintosh, AB.

1990 JD 9500, 4100 eng. hrs., 912 PU header, many new parts, harvest ready, \$22,000 OBO; JD 930 rigid header w/hyd. adjustable reel, good cond., \$4000 OBO. 306-946-7928, Watrous, SK.

**UNRESERVED AUCTION: Two 1993 John Deere 9600 SP combines w/JD 914 13' PU's, hydro, chopper, buddy seat, shedded, recent Greenlight, 1 has 1783 sep. hrs., 2796 eng. hrs. & long auger; 1 has 3093 sep. hrs., 4,207 eng. hrs., & chaff spreader, excellent cond. Auction April 26, 2017, Sedgewick, AB. For info: owners phone, 780-385-1289 or Dunkle Auctions: 1-877-874-2437. Full details & pics at: www.dunkleauctions.com PL# 209769.**

2006 9660 WTS, 914 PU, duals, 2300/1550 hrs., \$132,500. A.E. Chicoine Farm Equipment 306-449-2255, Storthoaks, SK.

2000 JOHN DEERE 9650, walker, fine cut chopper, long auger, shedded, \$39,000. Call 306-524-4960, Semans, SK.

1987 JD 7720 Titan II, 2830 hrs., hydro., 212 PU, recent concave, bars, feeder chain and airfoil chaffer, always shedded, \$19,500. 780-753-1049, 780-753-6276, Provost, AB.

2014 JD S680 PRWD combine, 582 hrs., 650/85R38's w/duals, Pro-Drives, chopper w/PowerCard tailboard, PowerFold bin ext., PowerCard Warranty til March 2019, \$252,500 USD. www.ms-diversified 320-848-2496 or 320-894-6560.

2009 JD 9770 w/615 PU, 722 sep. hrs., 955 eng. hrs., 900/60R32 tires, rear tires 600/65R38, always shedded, exc. cond., 25% down and balance due August 1. \$215,000, 204-825-2782, Mariapolis, MB.

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2003 HoneyBee SP36, 36' rigid draper, transport, pea auger, UII PUR, for CNH, Agco avail., \$18,900. 1-800-667-4515, www.combineworld.com

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1-800-667-4515. www.combineworld.com

**1997 FLEXI-COIL 5000, 39"** with 2320 TBH tank, 6 run single shoot with stealth openers, rubber packers and hydraulic markers, \$25,000 OBO. 306-430-1317, Eatonia, SK.

**2010 BOURGAULT 3310 65", Paralink, 12" spacing, mid row shank banding, DS, rear hitch, tandem axles, low acre, \$140,000. 2002 49" Morris Maxim air drill, 12" space, w/7240 Morris grain cart, \$45,000. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.**

**MORRIS MAXIM 49"** air drill, slim wedge knock-on clips, 2 sets of openers, front dual castors, 240 bu. TBH tank, \$42,500 OBO. 306-662-7005, Robsart, SK.

**2008 JD 1890 36"** air drill, w/1910 cart, DS tank, var. rate, all-run blockage, 7.5" spacing, 340 bu., done 9800 acres, shedded, vg condition. Ph. 204-745-7445, Carman, MB.

**1998 BOURGAULT 5710 54" w/2004 5440 air cart single shoot, 10" sp, 3" rubber packers, blockage monitors, sec. control liquid kit, knock-on boots, 8" loading auger, rear hitch, good rubber, \$70,000. 306-885-4545, Sedley, SK.**

**JD 1830, 61", 10" spacing, 4" pneumatic packers, Atom Jet 3-1/2" paired row openers w/NH3, Raven controller, section control, c/w 1910 430 cart with conveyor, cameras in tanks, very nice, \$79,000 OBO. 306-743-7622, Langenburg, SK.**

**BOURGAULT 32" SEEDER/CULTIVATOR** w/2130 special seeder and Valmar attachment, \$9500 OBO. Middle Lake, SK. 306-367-2043, leave message.

**2016 BOURGAULT 76" 3320 QDA, MRB's, 10" space, anhydrous, high floatation, DS, 4.5" pneumatic packers, w/wo 7950 Bourgault tank. 306-743-7523, Langenburg, SK.**

**2003 SEED HAWK 48", 357** onboard tank, new seed knives, c/w new fert. knives, 12" space, w/Alpine tank. Paul 306-538-4666; Don 306-538-4528, Langbank, SK.

**UNRESERVED AUCTION: Flexi-Coil 5000 58"** air drill w/Flexi-Coil 2320 air tank, new openers, single shoot, 9" spacing, rubber packers, 230 bu. tank. Auction April 26, 2017, Sedgewick, AB. For info: owners phone, 780-385-1289 or Dunkle Auctions: 1-877-874-2437. Details & pics: www.dunkleauctions.com PL# 209769.

**2014 BOURGAULT 3320QDA, 76" 12" spacing, dual shoot, #PB3441A, \$265,000. 306-922-2525, Prince Albert, SK., www.farmworld.ca**

**2008 59" BOURGAULT 5710, 12.6" new Dutch Precision 5" w/NH3, 5.5" pneu, Raven NH3, MRB 25, full blockage, 6450 TBH, 591, shedded, nice rebuilt unit, \$149,000. 780-662-2614, Tofield, AB.**

**2013 SEEDMASTER, 70" slim fold, with granular applicator, all HD caster w/oversized tires, 28LR26 rears c/w 2012 Bourgault 6550 tank w/duals, \$259,000. Ron 306-648-5394, Ferland, SK.**

**2005 57 FLEXI-COIL 5000 HD, 12" spacing, w/3850 mechanical cart, dual shoot, \$39,000 OBO. 306-423-5444, Domremy, SK.**

**NOW SALVAGING: BOURGAULT 5710, MRB, single shoot, 3.5" steel packers, lots of good parts! www.combineworld.com 1-800-667-4515**

**AIR DRILLS 4250**

**GREAT PLAINS AD1334** air drill, 34" with 7" spacing, 2 tanks, good condition, \$14,000 OBO. Call 780-405-8089, Tofield, AB.

**JD 737 40"** Air Drill w/787 tank; Bourgault 9200 42" NH3 applicator. Both field ready, for more info 306-594-7459, Norquay, SK.

**39" FLEXI-COIL 5000** drill, 9" spacing, w/Flexi-Coil 4350 mechanical air cart, \$80,000. 403-391-3669, Lacombe, AB.

**FLEXI-COIL 5000, 33", 12" spacing, all re-capped steel packers, new front tires on drill, 3" Stealth openers, c/w Flexi-Coil 1720 TBH tank, new front tires on cart, cameras in tank, metering area good, \$27,000 OBO. 306-726-7516, Earl Grey, SK**

**2008 JD 1830 61", 7.5" spacing, 3-1/2" steel packers, single shoot, JD 1910 cart, DS, 430 bu. tank, duals, var. rate, conveyor, \$77,000. 780-835-1070, Fairview, AB.**

**1998 BOURGAULT 5710 34", DS, MRB's, 9.8" spacing, 3" rubber packers, 4300 air tank, one owner, shedded, \$49,000. 306-228-7899, Unity, SK.**

**Check This Out!**

**2006 EZE-ON 7550 40", 10" spacing, single shoot, 5" rubber capped packers, 4" carbide tip openers with 3115 tank (2005), \$35,000 OBO. 306-452-7004, Parkman, SK**



**2003 40' MORRIS Max II, 7180 tank, SS, NH3, MRB's, 10" spacing, A1 cond., 12,000 acres, 1 pass machine, trades welcome, \$46,900. 306-862-7524 or 306-862-7761, Nipawin, SK. www.agriquip.ca**

**CONSERVA PAK 35", 12" spacing, DS, plus liquid, knock-on carbides, c/w 1996 Concord 2300 TBH, hydraulic or diesel fan, \$14,000. Call 306-221-0712, Osler, SK.**

**APPROX. 90 USED Flexi-Coil Stealth 3"** paired row w/Gumbo tip both w/carbide, for anhydrous or with dry fert. 1/2 price of new! Call 204-638-0032, Ashville, MB.

**1997 CONCORD 4812, DS dry w/NH3, Dutch openers, 2000 JD 1900 cart, 270 bu, \$25,000 OBO. 306-452-3233, Antler, SK.**

**AIR SEEDERS 4253**

**2012 BOURGAULT 3320, 76" 10" spacing, SS leading air kit, #PB3385A, \$275,000. 306-922-2525, Prince Albert, SK., www.farmworld.ca**

**FLEXI-COIL 3450 TBT** air seeder tank, var. rate, special 4 tank model holds 400 bu. Junop Brothers 306-493-7605, Delisle, SK.

**1993 BOURGAULT 8800** air seeder, 36", 3195 tank, Valmar spreader, packers, \$10,000 OBO. 306-946-7928, Watrous, SK

**1996 BOURGAULT 40" 8800/3195,** harrows and packers, \$16,000. Call 306-563-8482, Rama, SK.

**2011 BOURGAULT 6700** air cart X20, 4 tank meter, bag lift. Possible trades. \$125,000 OBO. 306-563-8482 Weyburn SK

**28" BOURGAULT MULTI-PURPOSE 210** series FH428-32 cultivator, 2155 tank (shedded), Kohler motor, pull behind harrows, extra shovels and knives, \$15,000 OBO. 306-921-7688, Saskatoon, SK.

**FLEXI-COIL 820** seeding tool with 2320 air cart, 46" 5-plex, 550 lb trip w/sweeps and harrows, low acres, \$30,000 OBO. Phone 306-463-3257, Kindersley, SK.

**2012 MORRIS C2-71, 12" spacing, weight kit, dual castors, #HR3646A, \$149,000. Humboldt, SK., call 306-682-9920, or visit www.farmworld.ca**

**2007 BOURGAULT 6350** air seeder tank, low acres, augers- exc., all updates, Greenlighted, TBH hitch, field ready, \$39,500 OBO. Call 204-773-2338, Angusville, MB.

**1999 FLEXI-COIL w/2320 tank, #B22480B, \$23,000. 306-864-3667, Kinistino, SK., www.farmworld.ca**

**1998 MORRIS CONCEPT 2000, 43", 10" sp, new Bourgault narrow point openers, 7240 TBH, \$24,000. 306-463-8416, Eston, SK.**

**2008 BOURGAULT 6550ST** air cart, 4-tank meter, dual fans, CRA, bag lift, deluxe auger, duals, shedded, \$68,000. Call 204-734-8562, Swan River, MB.

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**2008 BOURGAULT 3310, 10" spacing, 65" SS leading air kit, #PB3383A, \$125,000. 306-922-2525, Prince Albert, SK., www.farmworld.ca**

**1999 BOURGAULT 5710, 54" 9.8" spacing, SS, #B22858B, \$39,000. Kinistino, SK., 306-864-3667, www.farmworld.ca**

**BOURGAULT 40" FH36-42, 8" space, QA on-row packers, QA 40" harrows, Bourgault 3225**

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2.5L H-4 cyl, CVT Auto Trans, Eyesight Driver Assist, Silver with Black interior, 24,269 Kms, STK#SK-S4389A... **\$32,995**

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- 2012 CHEVROLET EQUINOX 1LT AWD**  
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1542	MT EDITH CAVELL	1322	\$149,479	\$143,794
1617	MT. EDITH CAVELL	1537	\$189,038	\$182,428
1624	MT. AUGUSTA	1744	\$261,203	\$253,703
1630	MT. FOSTER	1765	\$260,237	\$252,647
1640	MT. CHELSEA	1801	\$213,945	\$206,200
1633	MT. FOSTER	1702	\$241,551	\$234,232
1645	MT. STEELE	1243	\$144,313	\$138,968
1632	MT. BRETT (finished)	1646	\$237,542	\$230,464
1623	MT. ELLIOT (finished)	1845	\$300,985	\$293,051
1646	MT. ASSINIBOINE	1393	\$174,342	\$168,352
1708	THE KODIAK (finished)	1431	\$200,506	\$194,352
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500 HP, 36" tracks in 75% condition, 4 hyds, 3PH, 9798 hrs, clean & well maintained

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140 HP, FEL w/ grapple, 6153 hrs, 5 hyds, 3PH, 540/1000 PTO

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#### 1998 NH TV140 BI-DI

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#### 1998 JD 1900

350 bu, 6 run, dbl shoot, tow behind, 8" auger, clean unit

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14' disc, hyd level & depth control, 28-29" discs, excellent condition

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47', coultter drill, 9.8" spacing, sgl shoot, MRB, NH3

**\$29,800**

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18' tandem diamond disc, 23" notched discs, very good condition

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### COMBINES



#### 2010 JD 9870 STS

1715 hrs, Contour Master, bullet rotor, nice condition, pick-ups available

**\$148,800**

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2340 hours, Greenstar, reel spd, Auto HHC, chopper, pick-ups available

**\$79,900**



#### 2009 NH CX8080

1556 hrs, AHHC, lat tilt, Intelliview 3, long auger, very good cond, pickups avail

**\$147,800**

#### 2004 NH CR940

2029 hrs, AHHC, lat tilt, Trimble Autosteer, chopper, long auger, pickups avail

**\$54,800**

### HEADERS



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40', rigid draper, AHHC, transport, hyd F/A, for CR/CX/AFX

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36' rigid draper, transport, pea auger, UII PUR, for CNH, Agco available

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Vibratory padfoot packer, 2902 hrs, 3.9L Cummins, 66" drum, fresh service

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1477 hrs, 75 HP, 2WD, FEL, 3PH, 7' box scraper w/scarifier, canopy

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16' moldboard, snow wing, 11,216 hrs, good tires, nice condition

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PB3385A



76" 10" SPACING SS LEADING AIR KIT, SIDE BAND LIQUID KNIFE, 4.5" SEMI PNEUMATIC PACKER TIRES, REAR DUAL TIRES ON WINGS, SINGLE RUN X20 BLOCKAGE MONITORS, 6 SEC PATTISON LIQUID KIT, REAR DROP HITCH, 2012 6450 3 TANK METERING

WAS \$299,000 SALE **\$275,000 (PA)**

**2008 BOURGAULT 3310 AIR SEEDER**

PB3383A



10" SPACING - 65" SS LEADING AIR KIT, 1" ATOM JET SIDE BANDING LIQUID OPENERS @ 75%, 4.5" PNEUMATIC PACKER WHEELS, PATTISON LIQUID KIT WITH 5 SECTIONS, INTELLIRATE RATE CONTROLLER WITH SECTIONAL CONTROL, LEADING 2008 6450 4 TANK METERING

WAS \$149,000 SALE **\$125,000 (PA)**

**2014 BOURGAULT 3320QDA AIR DRILL**

PB3441A



76" 12" SPACED DUAL SHOOT, 2" FULL CARBIDE SPREAD TIPS, MRBS 3 SET UP FOR DRY, 4.5" SEMI-PNEUMATIC PACKER WHEELS, DUAL SHOOT SINGLE RUN BLOCKAGE MONITOR, DUAL SHOOT HIGH CAPACITY FANS, SECTIONAL CONTROL, DUAL SHOOT SINGLE RUN BLOCKAGE MONITOR, X30 NONE APOLLO

WAS \$318,000 SALE **\$265,000 (PA)**

**1999 FLEXI-COIL 5000 AIR SEEDER W/2320 TANK**

B22480B



W/2320 TANK S/N U089560-99, NARROW STEALTH OPENER, MID ROW SHANK NH3, 51" W/ 12" SPACING, 3 - 1/2" STEEL PACKER

WAS \$28,000 SALE **\$23,000 (K)**

**1999 BOURGAULT 5710 AIR SEEDER**

B22858B



54" / 9.8" SPACING, SINGLE SHOOT, 450 TRIPS, ATOM JET SIDE BAND LIQUID OPENERS, LIQUID KIT / NO MRBS, L4300 TANK (1998) SINGLE FAN, 3 TANK METERING, NEW AUGER & TUBE, 30.5-32 RICE LUG TIRES, 271 MONITOR, LFC2000T LIQUID CART (2002), JOHN BLUE PUMP

WAS \$47,000 SALE **\$39,000 (K)**

**2009 BOURGAULT 3310PHD AIR DRILL**

PB3500A



6350 LEADING TANKS, 3 TANK METERING X20 MONITOR, 2 SHOOT STANDARD FANS, AUX CLUTCHES, BAG LIFT, HYDRAULIC FOOT ON HITCH, 30.5-32 BIAS TIRES W/DUAL WHEELS, STANDARD HOPPER ON LOAD/UNLOAD AUGER, 3310 55", MRBS SERIES II/CLOSER TINES, 2 SHOOT AIR KIT, LEADING AIR KIT 6000 SERIES, 1/2" HYDRAULIC COUPLERS

SALE **\$119,000 (PA)**

**2008 BOURGAULT 3310 AIR DRILL**

PB3503A



65" 10" SPACING, SINGLE SHOOT BO LEADING AIR KIT, MRB II W/COMBO BOOT, SINGLE WING TRAILING WHEELS, 1" KNIVES WITH EDGE ON KNIFE HOLDER, 4.5" PNEUMATIC V STYLE PACKERS

WAS \$94,000 SALE **\$79,000 (PA)**

**2010 BOURGAULT 3310 AIR DRILL**

PB3504A



65" 10" SPACING, SINGLE SHOOT LEADING AIR KIT, 3/4" CARBIDE KNIVES, 4.5" V STYLE PNEUMATIC PACKERS, SINGLE TRAILING REAR WHEELS

WAS \$94,000 SALE **\$79,000 (PA)**

**2010 CASE IH PS160 SPRAYER**

HN3185B



1600 US GAL, 1350 IMP GAL, 100' WHEEL BOOM, FOAM MARKERS DUAL DROPS, PRO300 MONITOR SWITCH BOX, MANUAL AGITATION, HYDRAULIC PUMP, 3 WAY NOZZLE BODIES, RINSE TANKS

WAS \$25,000 SALE **\$20,000 (PA)**

**2012 NEW HOLLAND SP.365F SPRAYER**

HN3594A



8.9L, 1509HRS, 365 HP, SET OF 4 3R80/9 046 TIRES, 10 SECTION CONTROL KIT, 120' BOOM, 1600 GAL TANK, AUXILIARY LIGHTING, BOOM LEVELER ULTRA GLIDE, BOOM TILT ACCUMULATOR, ELECTRIC FLUSH AND RINSE CONTROL, ENVIZIO PRO, FENCE LINE SPRAY KIT, POLY FENDERS, PRESSURE WASHER, SET OF 4 650R38 FLOAT TIRES

SALE **\$295,000 (H)**

**2012 NEW HOLLAND SP.365F SPRAYER**

HN3595A



8.9L, 1160HRS, 365 HP, SET OF 4 3R80/9 046 TIRES, 10 SECTION CONTROL KIT, 120' BOOM, 1600 GAL TANK, AUXILIARY LIGHTING, BOOM LEVELER ULTRA GLIDE, BOOM TILT ACCUMULATOR, ELECTRIC FLUSH AND RINSE CNTRL, ENVIZIO PRO, FENCE LINE SPRAY KIT, POLY FENDERS, PRESSURE WASHER, SET OF 4 650R38 FLOAT TIRES

SALE **\$289,000 (H)**

**2008 MILLER A75 SPRAYER**

N21752B

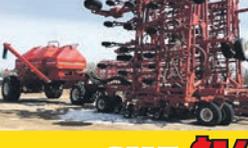


1200 GAL TANK/CONDOR, 1597HRS, DROP BOX REAR WITH 380/90R46 DUALS, TRIPLE NOZZLE BODIES, FRONT/REAR FENDERS, DIFF LOCK, ELECTRIC AGITATE, END BOOM NOZZLES, 3 INCH FILL, PRESSURE WASHER, FOAM MARKER, RAVEN VIPER PRO W/ SMARTRAX, 460 RATE CONTROLLER, 100' BOOM, ULTRAGLIDE, ACCUBOOM

WAS \$165,000 SALE **\$150,000 (H)**

**2012 MORRIS C2 AIR SEEDER**

HR3646A



71" C2 12" SPACING, WEIGHT KIT, DUAL CASTORS, DUAL SHOOT PAIRED ROW BOOTS, TILLAGE WORK SWITCH, SINGLE SHOOT AIR KIT, W/ 2008 MORRIS 8370 AIR CART, 3 TANK 443 BUSHEL

SALE **\$149,000 (H)**

**2010 BOURGAULT 6550 AIR TANK/CART**

PB3505A



LEADING L6550 D/S, 3 TANK METERING, 591 MONITOR CRA & AUX CLUTCHES, SEED BAG LIFT, DUAL TIRES 650/75R34, 10" DELUXE AUGER, CAMERA IN T3, HYD JACK

WAS \$130,000 SALE **\$110,000 (PA)**

**2011 BOURGAULT 6450 AIR TANK/CART**

PB3506B



3 TANK METERING, NEW METERING AUGERS 2015, 900/60R32 TIRES, BOLT ON DUALS 520/85R38, SINGLE FAN, CAB RATE ADJUST

WAS \$95,000 SALE **\$79,000 (PA)**

**2008 CASE-IH 3320 SPRAYER**

N22362B



100' BOOM/PATRIOT, 2150HRS, 650/65R38 TIRES, AIM COMMAND 100' BOOM, FOAM MARKER, SCS 4600 RAVEN 6 SECTION CONTROL, FM1000 TRIMBLE MON, SET OF 380/90R46, SET OF 4 CROP DIVIDERS, CID 6.7L CASE 235 HP, SCS 4600, TANK 1000 GALS SS STEEL

WAS \$170,000 SALE **\$154,000 (PA)**

**2005 BOURGAULT 6350 AIR TANK/CART**

PB3438A



491 MONITOR, 3 TANK METERING, SINGLE SHOOT, SINGLE FAN, REAR TOW HITCH, STANDARD AUGER, 28L-26 SINGLE RUBBER

WAS \$56,000 SALE **\$49,000 (K)**

**2013 CASE IH 3330 SPRAYER**

PN3511A



ALL WHEEL DRIVE / PATRIOT, 1929HRS, BOOM WIDTH/NOZZLE SPACE 100'/20", NOZZLE BODIES, FRONT/REAR FENDERS, SCS 4600, 6.7L, MONITOR SCS 5000, SS TANK-1000gls, TIRES 380/90R46 F & R, HYDRO TRANS, ACCUGUIDE READY, ACTIVE HYD SUSPENSION, AFS RECEIVER, AIM COMMAND 90' BOOM, RAVEN AUTOBOOM, 380/85R46 SKINNIES

WAS \$270,000 SALE **\$264,000 (PA)**

**2014 MORRIS 9550 TBH AIR TANK/CART**

HR3338



DUAL TIRES 800/65 R32, G52050 EXTENDED HOPPER, N24725 EXT IN-CAB SWITCH BOX, TOW BEHIND 9D PRIMARY DUAL, TOPCON X30 3 TANK BD LESS GPS, 10" AUGER HYD ASSIST OPTION, 17" REM FAN BEHIND, 28L26 RADIAL LUG, VARIABLE RATE HYDRAULIC DRIVE

SALE **\$139,000 (H)**

**2016 MORRIS C2 CONTOUR AIR DRILL**

HR3533



(6) N37920 EQUALIZERS, 2-DUAL CASTOR OPTION, 142/15/16" GROOMET-DS BOOTS, HYD EXT KIT - F FR C2 & RAZR CONTOUR, ICT HYD EXT KIT - 5 FR C2 & RAZR, C2 71 OPENERS W/5.5 SP-LESS SHANK, QUAD/NH3 HITCH C2 CONTOUR, 2-543741 600LB WEIGHT KIT, 100" ADDITIONAL 2.5" HOSE, 16.5 X16.1 MAIN FRAME TIRES 25" ADDITIONAL 2.5" HOSE, 71-546595 SECONDARY HOSE HOLDER, 71 12" SP ACCUM & HYD HOSES, 90 PRIMARY DUAL TILLAGE DIST, 71-556550 PAIRED ROW IP OPENERS, 90 PRIMARY DUAL TILLAGE DIST, 71-556550 PAIRED ROW IP OPENERS

SALE **\$214,000 (H)**

**2014 NEW HOLLAND SP.365F SPRAYER**

PN3498A



10 SECTION CONTROL KIT, 120' BOOM, 1600 GAL TANK, BOOM LEVELER ULTRAGLIDE, BOOM TILT ACCUMULATOR, ELECTRIC FLUSH AND RINSE CONTROL, FENCE LINE SPRAY KIT, INTELLIFLUSH IN CONTROL, FENCE LINE SPRAY KIT, 650/75R38 FLOATS, 380/90R46 TIRES, INTELLISTEER READY, 650/75R38 FLOATS, 380/90R46 TIRES, INTELLISTEER MONITOR AND RATE CONTROLLER, TRIDEXON CROP SAVERS, 4 SET OF AIR BUBBLE JET TWIN NOZZLES, 3 WAY NOZZLE BODIES, INTELLISTEER, RAVEN RADAR, DELUXE CAB, SMALL CASTOR WHEELS, 100 MESH BOOM FILTERS, 3 YR PPP WARRANTY

SALE **\$395,000 (PA)**



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4.25" x 7' Rd Treated Post	\$8 <sup>69</sup>
4.25" x 8' Rd Treated Post	\$9 <sup>49</sup>
5.25" x 7' Rd Treated Post	\$10 <sup>99</sup>
5.25" x 8' Rd Treated Post	\$13 <sup>49</sup>

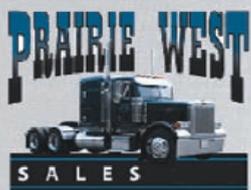


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<p><b>2014 CHEV SILVERADO 1500 LT</b></p>  <p>Stock# GL3862 55KM ONE TAX 5.3L 4X4</p> <p><b>WAS \$32,995 NOW \$29,995</b></p>	<p><b>2014 FORD F150 PLATINUM</b></p>  <p>Stock# GL3863 PST PD 68KM FULLY LOADED ECO BOOST</p> <p><b>WE BUY TRUCKS</b></p>	<p><b>2014 CHEV SILVERADO 1500 HIGH COUNTRY</b></p>  <p>Stock# GL3888 TOP OF THE LINE 2 TO CHOOSE FROM</p> <p><b>STARTING FROM \$41,995</b></p>	<p><b>2014 GMC SIERRA 1500 DENALI</b></p>  <p>Stock# GL3869 5.3L 122KM FULLY LOADED PST PD</p> <p><b>\$39,995</b></p>	<p><b>2013 FORD F150 PLATINUM</b></p>  <p>Stock# GL3874 ECO BOOST PST PD FULLY LOADED</p> <p><b>MUST SEE! HUGE SALE ON NOW</b></p>

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**SEEDING VARIOUS 4259**

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WHITE 6122 VACUUM planter, 8 row - 30", hyd. markers, vertical fold, monitor, reconditioned, \$17,900. Gary Reimer, Reimer Farm Equipment, 204-326-7000, Hwy. #12, Steinbach, MB.

JD 7300 VACUUM PLANTER, 12 row 30", 250 monitor, lift assists, shedded, \$14,750. 204-373-2339, 204-324-7410, Ridgeville, MB.

1984 IH 6200 press drills 2-12', shaft monitors, shedded; Laurier 24' drive thru drill or swather carrier; Prairie Built drill fill system, 2-200 bu. hoppers, hyd. augers. Best offer. 306-338-2927, Wadena, SK.

JD 7200 VACUUM planters in stock for immediate delivery! Folding bar, hyd. markers, monitors, reconditioned, field ready. 8 row 30", \$17,900; 12 row 30", \$19,900. Call Reimer Farm Equipment, Gary Reimer, 204-326-7000, Hwy. #12, Steinbach, MB.

JD 7200 PLANTERS IN STOCK, 8 to 16 row, any planter makes available. Call Reimer Farm Equipment, Gary Reimer, 204-326-7000, Hwy. #12, Steinbach, MB.

36' MELROE 204 press drill, w/factory mover, markers, fertilizer and grass attachment. 306-428-2405, Choceland, SK.

1987 CIH 7200 28' hoe drills, factory hyd. mover, always shedded, not used since 2002, low acres, field ready, \$5900 OBO. 306-475-2677, Kayville, SK.

1999 BOURGAULT 5300, 3TM, hyd. cal., 491 monitor, DS, hopper ext., Trelleborg tires, \$26,900 OBO. 204-746-0275, Domain, MB.

40' BOURGAULT 9200, 12" spacing, new harrows and hoses, floating hitch, HoneyBee live rod, herbicide kit; Bourgault 3195 tank, sandblasted and repainted inside, calibration system, all new bearings and chains; 3 different sets of banding or seeding boots for cult.; Bourgault 4000 40' coil packer w/extended hitch. For more info and prices, 780-889-3788, Heisler AB.

DEGELMAN 45' LANDROLLER, \$34,900; Flexi-Coil 6000 30' disc drill, \$16,900 and 5000 57", \$17,900; Rite-Way 60' harrow packer, \$4900. Pro Ag Sales, 306-441-2030, North Battleford, SK.

**TILLAGE EQUIPMENT 4262**

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2014 33' SUNFLOWER 1435 tandem disc, has new plain blades, \$55,000. Call A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, 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.kelloblades.com Call: 1-888-500-2646.

BOURGAULT 8800 CULT., 52", 8" spacing, heavy trips, knock-on sweeps, 4 row harrows, w/interchange packers, air kit for 6 tube delivery, ready to go, reasonably priced. 306-595-2180, Pelly, SK.

1992 37' CASE/IH 5600 HD cultivator, with Degelman mounted 4-row harrows, \$25,000. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

14' TOWNER HEAVY breaking disc, good condition, field ready. 306-782-6907, 306-641-7983, Jedburgh, SK.

NEW 1/4 INCH 8", 9", 12" cult. shovels, \$3-3.50 each; Melroe plowshares, \$15; Melroe plow moldboards, \$30. Call Lawrence at 204-836-2686, St. Alphonse, MB.

35' MORRIS MAGNUM II cultivator with Haukaas molehill shovels, \$4500. Call 306-528-7712, Nokomis, SK.

**BREAKING DISCS:** KEWANEE, 14' and 12'; Rome 16' and 9'; Wishek 14' and 30'. 2-DMT 7 shank rippers. 1-866-938-8537.

JD 2625 WIDE FOLD disc, 30"8" wide, disc blade size 26"x .250, hyd. wing control, wing stabilizer wheels, rolling basket harrows, \$59,000. 403-633-0573, Brooks, AB.

MORRIS 45' MAGNUM 7 series cult., c/w Honeybee deadrod, \$3000. 306-460-9027, 306-463-3480, Flaxcombe, SK.

2010 SALFORD 41' Vertical Disc, very low acres, exc. cond., one owner. \$59,000. 204-228-3420, vern@johnsonagro.com Dugald, MB.

2013 JOHN DEERE 2623 vertical tillage unit, 40', excellent shape, \$82,500. 780-679-7795, Camrose, AB.

BOURGAULT 6000 med harrows 90", \$25,000; Flexi-Coil 340 32' chisel plow c/w 4 bar harrows, anhydrous kit, \$16,000; Flexi-Coil 340 40' chisel plow, with 4 bar harrows, \$25,000. Dave 403-556-3992, Olds, AB.

**TILLAGE EQUIPMENT 4262**

MORRIS 743 CHISEL PLOW, 12" spacing, good 16" sweeps, w/Degelman hyd. driven rod, \$10,000. 306-463-8416, Eston, SK.

IHC 6400 54' chisel plow, 12" spacing, new NH3 boots and openers, new hoses, new walking beam shafts, \$33,000. Nipawin, SK. 306-862-7138 or 306-862-5993.

2008 ST830 47' chisel plow, 5 plex, 650 lbs. trips, 8" knock-on shovels, anhydrous Raven rate control, factory hitch, hyd. winch, 9/16" heavy harrows, \$70,000 OBO. Call 204-733-2446, Ochre River, MB.

2012 SUMO SUBSOILER, 9 leg. Improve yields, fix ruts and hardpan issues. Steel roller. 204-851-0451, Virden, MB.

**TILLAGE/SEEDING VARIOUS 4265**

IH 6200 PRESS DRILL, 24', \$1200; White cultivator, 30' with harrows, \$800. 306-331-7749, Abernethy, SK.



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1984 AC 6060, FWA, bucket and bale spile, 9756 hrs., new engine at 4500 hrs., original owner, shedded, \$16,000 OBO. 780-361-7947, 780-352-2818, Gwynne, AB.

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**CASE/IH 4286**

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CIH 1486, 8100 hrs., \$10,000 work order last fall, vg cond., \$18,000. 780-819-7193, Redwater, AB. danespride@aol.com

1984 IH 5088, 130 HP 8920 hours, triple hydraulics, dual PTO, 20.8x38 radials, \$17,500. 204-525-4521, Minitonas, MB. www.waltersequipment.com

1991 CASE/IH 7110, 2WD, 3157 hrs., currently has Raven UltimatePro w/SmartTrack and Ultraglide boom, exc. shape, asking \$45,000. 306-567-7080, Craik, SK.

2009 CASE/IH MX435, Outback guidance, 710/70 tires, rear weights, std. trans., 4 hyd., 3100 hrs., shedded, \$183,000. Nipawin, SK. 306-862-7138 or 306-862-5993

1986 CIH 4894, 4 WD, 8675 hrs., 300 HP, shedded, 20.8x38 duals, 4 hydraulics, no PTO, good rubber, good condition, \$18,000. 306-885-4545, Sedley, SK.

CASE/IH 450 HD, 3PTH, 2012, 1820 hrs., PS, 800 Firestone's, loaded, no PTO, 35 month, 15700 hr. extended PowerTrain warranty, Pro 700/372 AutoSteer, \$278,000 OBO. Call 306-960-3230 or 306-981-3281, Prince Albert, SK.

CASE 9280 AWD, 375 HP 4590 hrs., c/w GPS, \$80,000. Phone 403-391-3669, La-combe, AB.

2013 140A FARMALL Case/IH w/loader, 1800 hrs., \$82,000. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

2011 CIH 500 HD, full load without PTO, 1572 hrs., twin pumps, 800 Michelins, \$285,000. Ron 306-648-5394, Ferland, SK.

CASE/IH 9150, powershift, new tires 2 yrs. ago, 8250 hrs., return line, no PTO, \$45,000 OBO. 780-608-9024, Tofield, AB.

1983 CASE 2290 w/Leon 707 FEL, 4700 hrs., rebuilt PS and diff., 4 remotes, dual PTO, good tires, duals, \$18,500. Prince Albert, SK. 306-922-8155, 306-960-3230.

1999 CASE 9380, quad track, 9000 hrs., PTO, 400 hrs. on new track, S3 AutoSteer, \$68,000. Call 306-524-4960, Semans, SK.

WANTED: 4788 IHC, 1980 and newer in good condition. Call 780-635-2527, St. Vincent, AB.

2006 CIH STX375, powershift, PTO, 1917 hrs.; 2009 STX335, c/w 6-way Degelman blade/guard, 1281 hrs.; Two 2013 Magnum 260, FWA, deluxe cab, leather, 320 hrs; 2015 Magnum 280, FWA, CVT, deluxe cab, leather, 608 hrs; 2014 Versatile 250, FWA, GPS, etc. Ph Dave 403-556-3992, Olds, AB.

2016 CASE MAXIM 145, 150 HP FWA, loader, grapple, like new, \$178,000 OBO. 780-352-8858, Bittern Lake, AB.

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.

1982 CASE 2390, PTO, powershift, good tires, very good condition, \$14,500. Call 306-561-7780, Davidson, SK.

2003 MXM 130, SN# ACM201322, 1950 hrs., like new condition, rear tires 520/85R 38, 420/85R 28's @ 95%, suspended cab and front axle, air ride seats, 3PTH, bar axles, 4 hyd. outlets. need more power selling for \$59,000 or will consider low hour CIH 7110 or 7120 with PTO on trade. 780-363-2215, Chipman, AB

**STEIGER 4289**

1983 STEIGER ST325, \$15,500; Also Case 2594, \$16,500. 306-246-4970, Speers, SK.

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**CATERPILLAR 4292**

2006 CHALLENGER MT765, 6500 hrs., 3 PTH, PTO, very nice, cond. Delivery avail. \$129,500 Cdn OBO. Call 218-779-1710.

**JOHN DEERE 4295**

2014 JD 9360R, 4 WD, 18 spd. powershift, 5 hyd., 620x42 Michelins, 670 hrs., exc., \$280,000. 780-679-7795, Camrose, AB.

JD 4650, quad shift, 3 hyd., factory duals, showing 765 hrs, \$24,500. Morris, MB, 204-746-2016. Pics at www.hlehmann.ca

2010 JD 7730, MFD, 620x42 rear tires, PowerQuad trans., 746 loader and grapple, 3350 hrs. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

1991 JD 8560, 4 WD, 6000 hrs., nice shape, 12 spd., 3 hyd., \$42,000. 780-814-2241, Grande Prairie, AB.

1983 JD 8450, 4780 hrs., 3 hyd., inside tires 3 yrs old, good cond., no PTO, \$24,000. 306-889-2035 eves, Mistatim, SK

2009 JD 9430, 24 speed for hyd., 3955 hrs, 710/70R42 duals, original owner, nice condition, asking \$188,500. Call Dan 306-725-4286, Bulyea, SK.



2004 JD 9620T 500 HP, 36" tracks in 75% cond, 4 hyd, 3PH, undercarriage 70%, 9798 hrs, clean & well maintained...\$109,800

1-800-667-4515. www.combineworld.com

1996 JOHN DEERE 8570, 4450 hrs., 24 spd., PTO, very good condition, asking \$67,000. 306-421-0679, Estevan, SK.

2007 JD 9420, 4713 hrs., 1 owner, all available options, 800 Firestone deep tread tires, weights, 15 spd. Powershift, climate control, Active Seat, extra lighting, SN# RW9420P051184, excellent condition, \$175,000. Charles Cattle Co., 306-457-2935, Stoughton, SK.

2- 2012 JD 9510R 4 WD, 930 hrs, and 1622 hrs., St. hyd., 5 remotes, weight pkg, Firestone 800/70R38's, Warranty, \$212,500 and \$194,500 US. 320-848-2496 or 320-894-6560, Fairfax, MN. View www.ms-diversified.com

JD 4630, 8 spd. powershift, new paint, 20.8x38 duals-70%, small shaft PTO, Pioneer couplers, 5512 hrs., LED lights, \$25,000. 306-424-7761, Montmartre, SK.

JOHN DEERE 9630T, 18 spd, PowerShift, 5 remotes, 1803 hrs., GPS, mint condition, \$265,000. 780-888-1258, Lougheed, AB.

2003 JD 9420, 5261 hrs., 24 spd., Greenstar ready, 710-70R42, \$129,000. Earl Grey, SK. 306-939-4800 or 306-726-7807.

JD 9400, 4350 hrs., quad trans., big tires, complete GPS, exc. cond., \$112,000. Will take JD loader tractor in trade. Call 780-467-9912, Sherwood Park, AB.

UTILITY TRACTORS: John Deere 6200, 4400 hrs; JD 6310 w/640 loader, 4500 hrs. Call 204-522-6333, Melita, MB.

JD 4020 1971 and 1972 w/158 and 148 FEL's, good cond., rubber good, \$10,000, \$11,000. 306-768-2672, Carrot River, SK.

1982 JD 8650, showing 5394 hours, quad trans., 4 remotes, tires- 50%, good condition, asking \$37,000. Call 306-482-7144 after 6:00 PM, Carmuff, SK.

SOLD THE FARM: 1975 JD 4230, Quad Shift, never had FEL, new paint, \$14,500; JD 2130, new tires, always shedded, new motor, \$9000. Both in very nice shape. 306-545-5007, 306-726-8137, Cupar, SK.

JD 4630, loader, cab; Case 2870, 4x4, Degelman dozer; Cockshutt 550 gas; 1981 GMC 17' B&H. 306-238-4411, Goodsoil, SK

JD TRACTORS: 8650, 8450, 4650 FWD, 4255 FWD, 4440. Will take tractors that need work. Call 204-871-5170, Austin, MB.

JOHN DEERE 8570, 4 WD, 6000 hrs., very clean, \$61,000. 780-983-0936, Clyde, AB.

JOHN DEERE 4430 w/JD loader; Massey 275 w/FEL. 306-283-4747, Langham, SK

1977 JD 4430 w/606 PT mower behind, very low hrs., always shedded, exc. cond., \$29,000 OBO. 306-717-2971 Saskatchewan SK

JD 4560, PS, 2WD, 5000 original hrs., 70% tires, clamp on duals, vg cond., \$52,500. Call Blaine at 306-621-9751, Yorkton, SK

1998 JD 9100, above average cond., 6067 hrs., brand new engine at 3400 hrs., \$64,000. Call 306-577-8771, Carlyle, SK.

JD 4020 PS, dual hyd. and PTO, good tires, \$6800. Call 204-525-4521, Minitonas, MB. www.waltersequipment.com

JD 4650, powershift, 10,500 hours, good rubber, very reliable, \$29,000. Call 306-873-8301, Tisdale, SK.



2012 9510R, 960 hrs., PS, 17' 6-Way blade, premium cab, 9030 lbs. cast, no PTO, ext. warranty, many extras. Reduced! \$325,000. 780-808-3141, Lloydminster, AB

1998 JD 8100, 5358 hrs., newer 18.4x42 duals, 16.9x28 fronts, 16 spd. powershift, 1000 PTO, cast weights, no 3 PTH, exc., \$72,000. 204-739-3089, Oak Point, MB.

1974 JD 4630, quad range, 20.8R38 axle duals, 4797 hrs., very good condition, \$15,000. Call 306-736-8336, Kipling, SK.

2014 JOHN DEERE 6150M, parked indoors, 900 hrs., 650/65R38 rear, 540/65R28 front, farmer owned/operated, bucket/forks, exc. cond., \$149,000 OBO., Mundare, AB., 780-603-7972, jikowal@telus.net

**JOHN DEERE 4295**

1998 JD 9400, powershift, shedded, tow cable, 710x70R38 rubber, 7000 hours, \$74,000. Call 306-524-4960, Semans, SK.

1978 JD 3130, 3 PTH, vg cond, 5000 orig. hrs. \$11,500 OBO. 204-886-3407, Teulon, MB.

2010 JD 7130 w/741 loader, new motor, 5500 hrs. new tires, PowerQuad, front susp., GPS. Henry 403-588-0958, Alix, AB.

2000 JD 7710, 5130 hrs; 2006 7720, 6200 hrs; 2003 7810, 4200 hrs; 2011 8295R, 4900 hrs, IVT. All MFWD, can be equipped w/loaders. 204-522-6333, Melita, MB.

JD 8760, 300 HP, 20.8x42 duals, 12 spd. manual, 11,154 hrs., eng. rebuilt at 6000 hrs., Outback S2 AutoSteer, good cond., \$29,500. 204-365-7018, Shoal Lake, MB.

1990 JD 4455, exc. shape, completely restored, less than 2000 orig. hours! Charles Cattle Co., 306-457-2935, Stoughton, SK.

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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2016 KUBOTA M5-111, 105 HP c/w FEL, FWA, shuttle shift, 22 hrs, 6 year warranty, \$70,500. Call 306-554-2901, Wynyard, SK.

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2012 MASSEY 6490, 2200 hrs., MFWD. Call 204-522-6333, Melita, MB.

MF 4900, COMPLETE REBUILD (561 hrs. ago) at KJ Repower Service, Ponoka, AB. New Cummins N14 engine, 425 HP powershift trans., 1000 PTO, 4 hydraulics, upgraded to run air drill w/return line, cab int. redone, new air seat, buddy seat, new paint and decals, all new tires, triples are clamp-on, can be removed to run grain carts, etc. \$55,000 OBO. 306-278-3152 res, 306-278-8606 cel, Porcupine Plain, SK

1982 MASSEY 4800, 3 spd. powershift, PTO, 230 HP 18.4x38 tires, \$20,000 OBO. 306-648-8144, Gravelbourg, SK.

**NEW HOLLAND 4304**

UNRESERVED AUCTION: 2004 NEW HOLLAND T425 4WD tractor, 2391 hrs, 710/70R42 duals, 425 HP, 5 hyd., 12F/4R, rear weights, shedded, excellent condition. Auction April 26, 2017, Sedgewick, AB. For info: owners phone, 780-385-1289 or Dunkle Auctions at: 1-877-874-2437. Full details & pics at: www.dunkleauctions.com PL# 209769.

**FORD 4307**

1991 FORD 846, 7800 hrs. (500 on rebuilt eng.), 4 remotes, no PTO, std. trans. w/w 14' Degelman blade, asking \$40,000. 306-648-8144, Gravelbourg, SK.

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**AFFORD-A-BULL,** Registered Red Angus 2 year old and yearling bulls, some from AI sires, quiet, semen tested, IBR shots, ready to go. Hightree Cattle, Wilkie, SK., 306-843-7354 or 306-843-2054.

**SOUTH VIEW RANCH** has Red and Black Angus 2 year old bulls. Ceylon, SK. Call Shane 306-869-8074, Keith 306-454-2730.

**2 YEAR OLD** and yearling purebred Red Angus bulls for sale. High Caliber Angus, 306-745-3786, Esterhazy, SK

**FOR SALE BY Private Treaty:** Yearling and 2 year old Red Angus Bulls. **Arm River Red Angus,** 306-567-4702, Davidson, SK.

**QUIET TOP QUALITY 2 yr. old** and yearling Purebred Red Angus bulls. Contact Spruce Acres, 306-272-3997, Foam Lake, SK.

**COW/CALF PAIRS.** Purebred Angus. 306-287-3900, 306-287-8006, Englefeld, SK. [www.skinnerfarms.ca](http://www.skinnerfarms.ca)

**REGISTERED BULLS** for sale, low BW's, very gentle, grown slowly, reasonably priced; Yearlings and 2 herd sires. Call Roger 306-221-1558, Minton, SK.

**3 YEAR OLD** purebred bull, Red TGA Trend 43588, 87 lbs. birthweight, \$3500. 306-631-9404 or 306-693-5827, Moose Jaw, SK. [hazerinc@sasktel.net](mailto:hazerinc@sasktel.net)

**RED ANGUS YEARLING** and 2 year old bulls on moderate growing ration, performance info. available. Adrian or Brian and Elaine Edwards, Valleyhills Angus, Glaslyn, SK. Call 306-441-0946 or 306-342-4407. [www.valleyhillsangus.com](http://www.valleyhillsangus.com)

**TWO-YEAR-OLD BULLS:** DECORAH Red Angus. Low to moderate BW's. Delivery available. Call Murray at 306-867-7206, or email: [decorah@live.ca](mailto:decorah@live.ca) Dinsmore, SK.

**RED ANGUS BULLS** with excellent hair and exceptional feet. Rugged cow bulls and beefy heifer bulls. EKW Red Angus, Elmer Wiebe, 306-381-3691, Hague, SK.

**ANDERSON CATTLE CO.** 2 yr. old and yearling Red and Black Angus bulls. Semen tested, delivery available. Swan River, MB., 204-734-2073, videos at [andersoncattle.ca](http://andersoncattle.ca)

**VIDEOS: WWW.DKFANGUS.CA** Select now. Get later. Great selection. Superior quality. **DKF Red And Black Angus** bulls at DKF Ranch, anytime. Gladmar, SK. Scott Fettes 306-815-7023 or Dwayne 306-969-4506.

**REG. RED ANGUS** bulls born Feb./Mar. 2016, calving ease, good growth. Coming 3 year old Red Angus herd sire, used on purebred herd. Little de Ranch, 306-845-2406, Turtleford, SK.

**2 YEAR OLD** Red Angus bulls, some sired AI breeding. Semen tested, guaranteed to breed. Delivery available. 204-427-3234, Woodmore, MB.

**2 YEAR OLD & yearling** bulls, semen tested & delivered. Call Guy Sampson, Davidson, SK., 306-567-4207 or 306-561-7665.



**REGISTERED, LOW BIRTH** weight heifer, yearling bulls. Big strong cow bulls. Calving ease, maternal bloodlines. Vet inspected, semen tested, guaranteed breeders, delivered. For pictures, information and prices go to our website: [www.belleredangus.com](http://www.belleredangus.com) 306-845-2557, 306-845-7601, Turtleford, SK. E-mail: [evandglen@litttleoon.ca](mailto:evandglen@litttleoon.ca)

**BLONDE D'AQUITAINE 5035**

**POLLED YEARLING BLONDE BULLS** for sale, Estevan, SK. area. Phone 306-634-2174 or cell 306-421-6987.

**CHAROLAIS 5055**

**2 YEAR OLD** polled Charolais bulls. Also Charolais yearling bulls polled and horned, semen tested and delivered. Call Layne and Paula Evans at 306-252-2246 or 306-561-7147, Kenaston, SK.

**CREEK'S EDGE PUREBRED** Charolais yearling bulls for sale, off the farm. We welcome you to our bull pen anytime. Call Stephen 306-279-2033 or 306-279-7709, Yellow Creek, SK. View all our bulls online: [www.creeksedgecharolais.ca](http://www.creeksedgecharolais.ca)

**YEARLING AND 2 YEAR** old bulls, sired by Silver Bullet and Roundup, semen tested, Martens Charolais & Seed. Phone 204-534-8370, Boissevain, MB.

**CHAROLAIS 5055**

**YEARLING CHAROLAIS BULLS:** We have a good selection of Yearling bulls at the farm. Good genetics and structure. Ready to go to work for you! Walking Plow Charolais, Woodmore, MB. Call 204-427-2589 or 204-427-3906, Email: [crgraydon@yahoo.ca](mailto:crgraydon@yahoo.ca)

**PB CHAROLAIS BULLS,** yearlings and 2 yr olds, whites and tans. Call 306-429-2711 or 306-529-6268, Glenavon, SK.

**MACMILLAN CHAROLAIS** Purebred reg. yearling bulls available. Bred for growth, easy keeping and market demand. Thick bulls with good feet, lots of hair and very quiet. Bulls are semen tested and can be kept until May 1. Call Lorna 306-227-2774 or 306-931-2893, Saskatoon, SK.

**REGISTERED PB CHAROLAIS** yearling and 2 yr. old bulls by private treaty. Semen tested and guaranteed. Call Brad 204-537-2367, 204-523-0062, Belmont, MB. [www.clinecattlecompany.ca](http://www.clinecattlecompany.ca)

**REGISTERED POLLED YEARLING** Charolais bulls for sale. Call Larry 306-883-2169 evenings, Spiritwood, SK.

**2 YR OLD** and yearling bulls, polled, semen tested, guaranteed, delivered. Prairie Gold Charolais, 306-882-4081, Rosetown, SK.

**REG. CHAROLAIS YEARLING** and 2 yr. old bulls, reds, whites. Yearling heifer calves. Richard Smith 780-846-2643, Kitscoty, AB.

**CHAROLAIS BULLS, YEARLING** and 2 year olds. Contact LVV Ranch, 780-582-2254, Forestburg, AB.

**2 YEAR OLD** registered purebred Charolais bulls, polled, white, good feet, lots of hair, easy keeping, very quiet. Semen tested and delivered. Call Quilman Charolais, 306-492-4634, Dundurn, SK.

**REGISTERED CHAROLAIS BULLS,** 2 year olds and yearlings. Polled, horned, some red. Quiet hand fed, hairy bulls. 40+ head available. Will at Cougar Hill Ranch 306-728-2800, 306-730-8722, Melville, SK

**YEARLING & 2 YEAR** old Charolais bulls, Creed

**MAINE-ANJOU 5125**

YEARLING FB MAINE-ANJOU bulls for sale. RFI tested. Bulls at Cattleland, Strathmore, AB. Ph Kristine, 403-333-5607

**Consider it SOLD!**  
**1-800-667-7770**

MAINE-ANJOU BULLS, solid reds and blacks, yearlings and 2 yr olds. We have a good selection of red yearlings. Selected for calving ease and beef production. Semen tested and guaranteed. Rocky Lane Farms, Alex and Mary-Ann Jensen, 403-368-2114, 403-742-9835, Rumsey, AB

**WILKINRIDGE STOCK FARM** has for sale a good selection of Maine-Anjou and Red Angus yearling and 2 year old bulls. We are selling by Private Treaty from the yard. All bulls semen tested and can be delivered. Call Sid at 204-373-2631, Ridgeville, MB. View catalogue and videos online at [www.wilkinridge.blogspot.ca](http://www.wilkinridge.blogspot.ca)

**MANITOU MAINE-ANJOU BULLS.** Best selection of the real Maine bulls in Canada. Gary Graham, 306-823-3432, Marsden, SK. [grahams@sasktel.net](mailto:grahams@sasktel.net)

**RED POLL 5175**

**RED POLL BULLS.** Registered yearlings; two yr olds; easy calving, naturally polled calves. 780-892-3447, Wabamun, AB.

**SALERS 5185**

1 & 2 YEAR OLDS for sale at the farm. Semen tested and delivery available. Can hold until needed. Alberta Beach, AB. Phone 780-924-2464, 780-982-2472, visit: [www.facebook.com/GrundkeFamilySalers](http://www.facebook.com/GrundkeFamilySalers)

**POLLED PUREBRED THICK Butt Salers** yearling bulls, exc. disposition, also replacement heifers. DynaRich Salers. Richard Andersen. 403-746-2919, Eckville, AB.

**PB REGISTERED Red or Black** yearling bulls and replacement heifers. Elderberry Farm Salers, Parkside, SK, 306-747-3302.

**POLLED SALERS BULLS.** Birthweight from 77 lbs. Strong growth and maternal milk traits. Semen tested, guaranteed. Can arrange delivery. Ken at 204-762-5512, Lundar, MB. [www.sweetlandssalers.com](http://www.sweetlandssalers.com)

**SHORTHORN 5200**

**MURIDALE SHORTHORNS** Have Yearling and 2 yr. old bulls, some suitable for heifers. 306-553-2244, Swift Current, SK.

**POLLED PB BULLS.** Will be halter broke and semen tested. Yearlings and one 2 year old. Moderate birthweight built for calving ease. Call Uphill Shorthorns, 204-764-2663 cell, 204-365-7155 res. Hamiota, MB. [rgray4@mymts.net](mailto:rgray4@mymts.net)



**PICK OF THE PEN:** We have a number of yearling Shorthorn bulls available. Performance and calving ease options. DNA verified and tested for Myostatin. Please call 403-700-4112, 587-436-2224, Okotoks, AB.

**RED, WHITE AND ROAN** polled Shorthorn bulls, 2 year olds and yearlings. Call 780-679-4719, Ohaton, AB.

**2 YEAR OLD** and yearling bulls, reds and roans, semen tested, can deliver. Call Richard Moellenbeck, Englefeld, SK. 306-287-3420 or 306-287-7904.

**SHORTHORN BULLS FOR SALE** - Yearling bulls. Polled, birth weights from 66 lbs-100 lbs. From low maintenance cow herd, bred for longevity. Poplar Park Farm, Hamiota, MB. Call 204-764-2382.

**SIMMENTAL 5205**

**PUREBRED SIMMENTAL HEIFERS** and bulls, blacks and reds for sale. Call 780-853-2223, Vermilion, AB.

**TOP QUALITY RED FACTOR** yearling Simmental bulls. Good hair coats. Polled; also 1 Red Factor Simm/Angus cross 2 year old bull, polled. Call Green Spruce Simmental 306-467-4975, 306-467-7912, Duck Lake.

**PIZZEY SIMMENTAL** is selling at the farm yearling and 2 year old Red, Black and full Fleckvieh bulls, moderate BW. Call Calvin 204-847-2055, Fox Warren, MB.

**POLLED FULL FLECKVIEH** and polled PB bulls, fully vaccinated, semen tested, and Fusogard, quiet and fed for longevity, \$3500. Call Curtis Mattson, 306-944-4220 or 306-231-9994, Meacham, SK.

**RED AND BLACK SIMMENTAL** bulls. One 2 year old and 2 Red Angus cross. Semen tested and guaranteed. Delivery options available. EDN Simmentals, Dean Neitz 306-662-3941, Maple Creek, SK.



**2 YEAR OLD** black bulls- yearling Red and Black bulls. Moderate BW. Bill or Virginia Peters, 306-237-9506, Perdue, SK.

**5-W SIMMENTALS** is selling at the farm purebred 2 year old and yearling red, black and tan bulls. Polled, semen tested. Can deliver or keep until you need them. Priced to sell \$2000 and up. Jeff 204-868-5040, Sandy Lake, MB.

**BLACK AND BLACK BALDIE** Simmental Bulls, good selection of yearlings 2 year olds. Excellent quality with good hair coats and disposition second to none! Semen tested. Delivery available. Call Regan Schlacter 306-231-9758, Humboldt, SK.

**SIMMENTAL 5205**

**SIMMENTAL BULLS** BLACK-RED-POLLED **DIDSBURY ALBERTA** CALL Wade Hannah 403 994 4190



**HANNAH SIMMENTALS**

**SIMMENTAL & SIMMENTAL CROSS** Red Angus yearling bulls. Polled. Semen checked and delivered. Reasonable birth weights. McVicar Stock Farms Ltd., Colonay, SK. 306-255-2799 or 306-255-7551.

**SPECKLE PARK 5215**

7 SPECKLE PARK, 6 cows, 3 with calves, 3 to calf, and 1 yearling bull. Call 306-594-2904, Norquay, SK.

**PUREBRED SPECKLE PARK** bulls coming 2 year olds and one- 3 year old, very quiet. Call 204-365-0066, Shoal Lake, MB.

**TEXAS LONGHORN 5225**

ALBERTA TEXAS LONGHORN Association 780-387-4874, Leduc, AB. For more info. [www.albertatexaslonghorn.com](http://www.albertatexaslonghorn.com)

**FOR SALE:** YEARLING 7/8 and 15/16 percentage solid red polled bulls. Bred up from polled Herefords & Red Angus. Easy calving, ideal heifer bulls. Regina View Farms, 306-586-9851, Regina, SK.

**REG. TEXAS LONGHORN** bulls, pairs and open heifers. Call Dean at Panorama Ranch, 403-391-6043, Stauffer, AB.

**WELSH BLACK 5235**

WELSH BLACK- The Brood Cow Advantage. Check [www.canadianwelshblackcattle.com](http://www.canadianwelshblackcattle.com) Canadian Welsh Black Soc. 403-442-4372.

**WELSH BLACK POLLED** yearling bulls, black and red. A few 2 yr old bulls, yearling heifers, black and red. Call Scott Farms, 403-854-2135, Hanna, AB.

**CATTLE VARIOUS 5240**

75 SECOND AND THIRD Black and Red Angus young bred cows. Call 306-773-1049 or 306-741-6513, Swift Current, SK.

104 EXCELLENT REPLACEMENT Heifers, 80 Black, 24 Red, Black Angus Maine cross. 850-900 lbs homegrown. OBO. Killdeer, SK. 306-476-2252.

**FOR SALE:** YEARLING 7/8 and 15/16 percentage solid red polled bulls. Bred up from polled Herefords & Red Angus. Easy calving, ideal heifer bulls. Regina View Farms, 306-586-9851, Regina, SK.

3 TO 6 YEAR OLD cow/calf pairs: 50 reds, 30 blacks, 10 tans. Calves tagged and castrated. Cows are medium to large frame with strong calves at foot. \$2800. 403-740-5197, Big Valley, AB.

30 COW/CALF PAIRS: Simmental Angus Cross, February - April calves, \$2750. Call 306-638-7668, Bethune, SK.

150 BRED COWS mostly Welsh Black, Hereford cross, due to calve end of Apr/May. Stan 403-588-0140, Bluffton AB

BLACK BROCKFACED HEIFERS with calves at side, 50- 1st and 25- 2nd calves, fancy. 403-625-4658, Claresholm, AB.

HERD DISPERSAL: 400 Angus cross pairs, started calving March 1st. 403-485-3535, High River, AB.

100 YOUNG TAN cow/calf pairs. Calves tagged and ringed, \$2800 OBO. 780-679-8935, Viking, AB.

300 RED & BLACK Angus bred heifers. Can sell as bred or calved. Call 306-773-1049, 306-741-6513, Swift Current, SK.

**SULLIVAN SUPPLIES and RK ANIMAL SUPPLIES** present a free Stock Show University beef educational clinic June 9, 10, 11 in Olds Alberta.

**1-800-440-2694**  
[www.sullivan-supply.com](http://www.sullivan-supply.com)  
[www.rkanimalsupplies.com](http://www.rkanimalsupplies.com)

**CATTLE WANTED 5245**

WANTED: CULL COWS and bulls. For bookings call Kelly at Drake Meat Processors, 306-363-2117 ext. 111, Drake, SK.

**HORSES 5305**

**AUCTION SALES 5305**

**2017 WILD ROSE DRAFT HORSE SALE.** May 5th and 6th, Cow Palace, Olds, AB. Draft horses sell May 6th 10:00 AM Sharp! Tack, harness, collars and horse drawn equipment for light and heavy horses are welcomed consignments. Contact Barb Stephenson 403-933-5765, 8 AM- 8 PM, [www.wrdha.com](http://www.wrdha.com)

**HORSE SALE, JOHNSTONE** Auction Mart, Moose Jaw, SK, Thursday May 4, 2017. Tack sells: 2:00 PM; Horses sell: 4:30 PM. All classes of horses accepted. Next regular horse sale is June 1, 2017. Please call 306-693-4715. PL#914447, [www.johnstoneauction.ca](http://www.johnstoneauction.ca)

**8TH ANNUAL PRAIRIE SPRING HORSE** Sale: Sunday May 21, 2017, 1:00 PM at Johnstone Auction Mart in Moose Jaw, SK. Featuring quality ranch/pleasure/show geldings and mares, well started younger geldings and mares, brood mares, yearlings and 2 yr. olds, teams - Registered and Grade. Watch for catalogue early May at [www.johnstoneauction.ca](http://www.johnstoneauction.ca). For more info, call Scott Johnstone (auctioneer) at 306-631-0767 or Glen Gabel (consultant/marketing) at 306-536-1927. PL #914447

**AUCTION SALES 5305**



**GATEWAY SPRING HORSE AND LONGHORN AUCTION:** Saturday May 6, Silver Sage - Brooks, AB. Preview 9:00 AM, Horse Sale 1:00 PM followed by Longhorns. Ranch horses, reining prospects, cutting prospects, kids horses, reg. Texas Longhorn bulls and cows, commercial Longhorn heifers, roppers, bulls. Online bidding avail. Catalog and details at [gwacountry.com](http://gwacountry.com) or call 1-866-304-4664 or 403-363-1729. Gateway Auction Services Ltd.

**SASKATOON ALL BREED Horse & Tack** Sale, May 30. Tack 11:00 AM, Horses to follow. Open to broke horses (halter or riding). Sale conducted at OK Corral, Martensville, SK. To consign call Frederick, 306-227-9505 [bodnarusauctioneering.com](http://bodnarusauctioneering.com)

**PAINT 5390**

STALLIONS, GELDINGS, MARES. Phone: 306-283-4495 (evenings), Langham, SK. [www.livingwaterpaintsandquarters.com](http://www.livingwaterpaintsandquarters.com)

**QUARTER HORSE 5415**

FOR SALE 5 year old running bred black AQHA stallion, 15.2 HH, offers. 306-242-8209, Grandora, SK.

**HARNES/VEHICLES 5470**

**HORSE COLLARS,** all sizes, steel and aluminum horseshoes. We ship anywhere. Keddies, 1-800-390-6924 or [keddies.com](http://keddies.com)

**SINGLE HORSE BUGGY,** original, stored inside, good cond. \$800. Ph/text 306-921-7688, Melfort, SK.

**SHEEP AUCTION SALES 5505**

**SHEEP/GOAT SALE:** Saturday May 13, 2017 at 1:00 PM, Johnstone Auction Mart, Moose Jaw, SK. All classes sheep and goats accepted. Sheep ID tags and pre-bookings mandatory. 306-693-4715, [www.johnstoneauction.ca](http://www.johnstoneauction.ca) PL #914447

**DORSET 5530**

QUALITY DORSET CROSS bred ewe lambs, dues first of June. AuraVista Farm, 306-248-3806, St. Walburg, SK.

**SHEEP VARIOUS 5590**

**SELLING LAMBS AND GOATS?** Why take one price from one buyer? Expose your lambs and goats to a competitive market. Beaver Hill Auctions, Tofield, AB. Sales every Monday, trucks hauling from SK, BC, AB. [www.beaverhillauctions.com](http://www.beaverhillauctions.com) Call: 780-662-9384.

**SHEEP WANTED 5595**

**WESTERN SHEEP MARKETING LTD.**  
a division of **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](http://darren@livestock.ab.ca)

**POULTRY 5720**

PAIRS OF GEESE ready to lay, Pilgrims, White Chinese and Toulouse. AuraVista Farm, 306-248-3806, St. Walburg, SK.

**BIRDS VARIOUS 5732**

HEARTLAND LIVESTOCK, Prince Albert, SK, Odd And Unusual Bird/ Small Animal Sale, Saturday, May 6, 12:00 Noon. All entries must be pre-booked and delivered by 10 AM day of sale. 306-763-8463 to book.

**POULTRY VARIOUS 5740**

**PUREBRED AND CROSSBRED** Bird and Small Animal Auction, Sunday, May 14, 11:00 AM at the Weyburn Ag Society Building, Exhibition Grounds, Weyburn, SK. To consign call Charlotte 306-861-6305.



**POULTRY VARIOUS 5740**

**EXOTIC BIRD AND SMALL ANIMAL** sale at Johnstone Auction Mart, Moose Jaw, SK, Sunday May 7, 2017 at 11:00 AM. Accepting peafowl, guineas, bantams, ducks, geese, pigeons, birds, llamas, alpacas, hamsters, rabbits, ferrets, miniature horses, donkeys, etc. All small animals must be boxed and in yard before 10:00 AM. Visit [www.johnstoneauction.ca](http://www.johnstoneauction.ca) 306-693-4715, PL #914447.

**POULTRY EQUIPMENT 5741**

LARGE AUTOMATIC TURNING incubator and large hatcher. AuraVista Farm, 306-248-3806, St. Walburg, SK.

**SPECIALTY ELK 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.

**ELK WANTED!** If you have elk to supply to market let AWAPCO be your first choice. For pricing call our office today, 780-980-7589, [info@wapitrivier.com](mailto:info@wapitrivier.com)

**GOATS 5765**

**GOAT/SHEEP SALE:** Saturday May 13, 2017 at 1:00 PM, Johnstone Auction Mart, Moose Jaw, SK. All classes sheep and goats accepted. Sheep ID tags and pre-bookings mandatory. 306-693-4715, [www.johnstoneauction.ca](http://www.johnstoneauction.ca) PL #914447

**LIVESTOCK EQUIPMENT 5790**

**CATTLEAC HYDRAULIC SQUEEZE** chute in good working order, w/hyd. neck bar, hydraulic pack included, \$10,000 OBO. 403-742-3454 ext. 275 or 288, Batho, AB.

**FREESTANDING CORRAL PANELS** for cattle, horses, bison and sheep. Bale feeders; Belted feed troughs; 10' panels; Wind-break frames; Swinging gates; Framed gates; Panels with gates mounted; Round pen kits starting at \$1495; Palpation chute. Deal of the year - Freestanding 21' for \$219! Call 1-844-500-5341, [www.affordablelivestockequipment.com](http://www.affordablelivestockequipment.com)

**EASY ROLL WIRE** Rollers for barbed and high tensile wire. 3 PTH or draw-bar mounts avail. 306-984-7861, Mistatim, SK.

**MOLE HILL DESTROYERS:** One 2017 50' unit and 1 demo unit. Leasing available. Email: [thewalkers@imagewireless.ca](mailto:thewalkers@imagewireless.ca) Phone 306-542-7325.

**NH 195 MANURE SPREADER,** flotation tires, hydro. drive, double apron, end gate, upper beater and splash guard, exc. cond., \$18,000. 780-819-7193, Redwater, AB. [danespride@aol.com](mailto:danespride@aol.com)

**PAYSAN 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](mailto:ple@sasktel.net) Web: [www.paysen.com](http://www.paysen.com)

1986 MACK, starts and runs well, 5000 US gal. Husky tank, elec./hyd. controls, 6-row injector avail., \$7500 OBO. 204-427-3311, Woodmore, MB.

**INTERMEDIATE WHEAT/GRASS** & Slender wheat grass seed for sale, \$3/lb, minimum order 1000 lbs. 204-792-7274, Cartier, MB. E-mail: [bqually@mymts.net](mailto:bqually@mymts.net)

**HI-HOG CATTLE SQUEEZE.** Call 306-773-1049 or 306-741-6513, Swift Current, SK.

IHC 8840 14' auger and tub guards, 2279 hours, \$20,000. 403-932-2131 days only, Cochrane, AB.

**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](http://www.steelviewmfg.com)

**MILKING PARLOUR:** 12 stand flat-barn, Metatron milk meters, 1500 gal. bulk tank, compressors, 7.5 HP vac. pump, 4 computer feeders + 80 resp., \$50,000 OBO. 780-312-0130, [vanderkamp@xplornet.com](mailto:vanderkamp@xplornet.com)

**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.

2002 521DXT CASE payload w/grapple fork. Call 306-773-1049 or 306-741-6513, Swift Current, SK.

**LIVESTOCK EQUIPMENT 5790**

**FROSTFREE NOSEPUMPS:** Fully sustainable livestock watering. No power required to heat or pump. Prevents contamination. Grants available. 1-866-843-6744. [www.frostfreeosepumps.com](http://www.frostfreeosepumps.com)

**CATTLE SHELTER PACKAGES** or built on site. For early booking call 1-800-667-4990 or visit our website: [www.warmanhomecentre.com](http://www.warmanhomecentre.com)

**GREG'S WELDING:** Freestanding 30' 5 bar panels, all 2-7/8" drill stem construction, \$450; 24'x5.5' panels, 2-7/8" pipe with 5-1" sucker rods, \$325; 24'x6' panels, 2-7/8" pipe with 6-1" rods, \$350; 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.

2007 KUHN 2044 manure spreader with vertical beaters, big tires, \$22,000. 204-851-0284, Kenton, MB.

**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](http://www.apollomachineandproducts.com)

**SOLD THE FARM:** Cattle squeeze with palpation cage, \$1500; Also have various sized panels avail. Call 306-545-5007 or 306-726-8137, Cupar, SK.

**Misc. ARTICLES 5850**

**ROCK-O-MATIC 546 ROCKPICKER,** \$3500; 18' Degelman rock rake, \$4000; 20' Alteen disc, good blades, \$3500; 1000 gallon portable water tank, like new, \$800. 780-349-5398, Westlock, AB.

**ORGANIC PRODUCTS CERTIFICATION SERVICES 5943**

**WANT THE ORGANIC ADVANTAGE?** Contact an organic Agrolgist at Pro-Cert for information on organic farming: prospects, transition, barriers, benefits, certification and marketing. Call 306-382-1299, Saskatoon, SK. or [info@pro-cert.org](mailto:info@pro-cert.org)

**GRAINS 5947**

WANTED: ORGANIC LENTILS, peas and chickpeas. Stonehenge Organics, Assiniboia, SK, 306-640-8600, 306-640-8437.



**ORGANIC SEED FOR SALE:** Organic Alfalfa, Sweet Clover, Red Clover, Alsike Clover. Organic inoculated. Free Delivery. Please call 306-921-9942, Star City, SK. Email: [ivanaudrey@sasktel.net](mailto:ivanaudrey@sasktel.net)

**YELLOW BLOSSOM SWEET** Clover Seed, Non-organic, weed free, inoculated with Nitragin Gold. \$1.95 per lb. Please call 306-483-8257, Oxbow, SK.

**ORGANIC SWEET CLOVER** good quality, cleaned and bagged. Ph. 306-281-8097, Saskatoon, SK.

WANTED: ORGANIC, HEATED or FEED QUALITY FLAX and feed peas. Call: 204-379-2451, St. Claude, MB.

**B.C. PROPERTIES 6110**

**CRESTON VALLEY REAL ESTATE:** 3 bdrm, 3 bath condo, 2280 sq. ft., fully finished basement, garage, remodeled in 2015, \$249,900; Houses from \$119,900, condo's from \$129,900, mobile homes from \$25,000, lots \$39,000 and up, acreages \$59,000 and up; Commercial: motels, RV parks, mobile home parks, and more; Vacuum Sales and Service; Commercial land and buildings; Bayshore Resort: marina, fuel, cabins, restaurant, RV park, and room for expansion! Kootenay Lake location. Call Grant Campbell, Creston Valley Realty, at 250-428-6827, or email grant.l.campbell1@gmail.com

**S.OKANAGAN PET BOARDING KENNEL:** Purpose built in 2008/09 on 3.2 ac. Operating at virtual full capacity w/room to expand. Owners house and separate rental house. Great lifestyle business! \$1,595,000 Syber Realty Ltd. Call Ron at 250-862-8100, ron@syberrealty.com

**QUESNEL MEAT AND GROCERY:** Wide variety of BBQ items, premade meals, etc. Established 25+ yrs., owner retiring. Price includes land, building, and equipment. Seller will aid in training and transition, \$498,000. Syber Realty Ltd. Call Ron at 250-862-8100, ron@syberrealty.com

**COMMERCIAL BUILDINGS/LAND 6115**

**NIPAWIN STRIP MALL** zoned for light industrial, incl. offices, beauty shop, cold storage/garage plus 40x40' shop. Linda Swehla, Re/Max Nipawin, 306-862-6390. remax.nipawin@sasktel.net

**PARKWAY CO-OP BUILDING:** Spacious 17,072 sq. ft. concrete block/steel frame building, 46,801 sq. ft. lot. Paved parking area. 2 other lots incl. Well known signature location in Roblin, MB. This building has great potential for various uses. MLS #1630330, Karen Goraluk, Salesperson, 204-773-6797, NorthStar Insurance and Real Estate, www.north-star.ca

**COTTAGE/LOTS 6125**

**WEST END BARRIER** Lake, SK. 2400 sq. ft., 3 level, good build, low bills. 2.5 hrs. to Saskatoon/Regina. Good hunting and fishing. Pine interior, basement, garage, 3 bedrooms, big deck. Call 306-322-7638.

**LOG HOME LOG SPINNER.** Build your own log home or cabin! Ph. 306-398-2559, leave message, Cut Knife, SK.

**RESIDENTIAL LOT, ELBOW, SK** for sale. Lot 7, Blk 2, Plan 88MJ16836, 125 Putters Lane. One block from golf course. 24.5 Meter frontage. Serviced by town. Will consider trade of RV, boat, truck, car, etc. \$34,500. Call Gerry 403-389-4858.

**WE MANUFACTURE MACHINED** profiled logs in cedar and pine. We also have log siding, wood flooring, cedar T&G, live edge counter and mantel tops, kilned dried wood. We are one of Canada's most innovated craft sawmills. Rouck Bros., Lumby, BC., 1-800-960-3388 or Rouckbros.com

**COTTAGE AT LAKE OF THE PRAIRIES:** 303 Keating Drive at Prairie Lake Lodge Development. 864 sq.ft. lakeview cottage. Full finished basement. 2 bedrooms, 1 1/2 baths. Low maintenance yard, deck, well for water. 18 hole/3 par golf course in Development. \$259,000. MLS #1700975. Please call Karen Goraluk, Salesperson, at 204-773-6797, NorthStar Insurance and Real Estate, www.north-star.ca

**HOUSES/LOTS 6126**

**LOG AND TIMBER HOMES,** Saskatoon, SK. Visit www.backcountryloghomes.ca or call 306-222-6558.



**PROVOST, AB.** New house w/double detached garage (24'x26'). Interior is earth tone colors w/new furnace, etc. All fully finished - ready to move in! 306-210-0207.

**TO BE MOVED:** 1977 27x40' bungalow on farm, 2 bdrms, 1 bath, 16x24' wrap around deck, new hardwood floors, windows and doors, siding and insulation 5 yrs. old, new never used fridge/stove/microwave, built-in dishwasher. Would make a perfect cabin or starter home. Have mover's quote. Asking \$60,000. 780-205-4423, Lashburn, SK.

**TIMBER FRAMES, LOG STRUCTURES and Vertical Log Cabins.** Log home refinishing and chinking. Certified Log Builder with 38 years experience. Log & Timber Works, Delisle, SK., 306-717-5161, Email info@logandtimberworks.com Website at www.logandtimberworks.com

**MOBILE HOMES 6127**

**DEAL!**

**\$1000 PAID to you** for removal of mobile home, could be used for storage. Ph Susan 306-249-2222, Saskatoon, SK.

**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.

**BEST CANADIAN HOMES** built by Moduline Yellowhead Modular Home Sales, 306-496-7538, weekend calls. View www.yellowmodularhomesales.ca

**READY TO MOVE 6128**

**RTMS AND SITE** built homes. Call 1-866-933-9595, or go online for pictures and pricing at: www.warmanhomes.ca

**HOME HARDWARE** RTM Homes and Cottages. Phone 1-800-663-3350 or go online for floor plans and specs at: www.northbattledfordhomehardware.com

**READY TO MOVE 6128**



**J&H HOMES:** Save up to \$20,000 on selected show homes. Limited time! www.jhhomes.com 306-652-5322

**RECREATIONAL PROPERTY 6130**

**REC/PASTURE 1/4 WITH 2007** mobile home, shop, RV storage, pole shed, camping area and trout pond. Fenced for pasture but also the ideal rec 1/4 or Market Garden spot. Loads of opportunity! MLS CA0098631 \$640,000. Morrison Realty (1990) Ltd., 780-586-2886, Winfield, AB kimraette@gmail.com



**FOR SALE BY TENDER:** Offers are invited for this beautiful property which is comprised of 172 acres of rolling hills, creek, and cultivated grassland located west of Asquith and northeast of Kinley in the RM of Perdue. Location: SE 32-36-10 W3 and Ptn NE 32-36-10 W3. Will be sold in "As Is" condition. The highest bid or any bid not necessarily accepted. Bids should be sent to George Clark by May 30, 2017. Perdue, SK. gclark@ifsgroup.ca

**FARMS & RANCHES**

**BRITISH COLUMBIA 6131**

**178 ACRE RANCH,** beautiful view of the Seven Sisters mountains, exc. land and water, house, barn, shop, hay shed and outbuildings, on Hwy #16 between Smithers and Terrace, on Hwy #16 between Smithers and Terrace, \$650,000. 250-849-8411.

**WEST KOOTENAY RIVERFRONT** acreage. 2,860 sq. ft. home, barns, garage, guest house, trees, gardens, full sun. all services. \$437,500. View by appointment only. Call 250-304-4669, Castlegar, BC.

**ALBERTA 6132**

**BUYERS** for farms and ranches. Henry Vos, 780-835-1992, Royal LePage Realty. www.peacereiverfarmsandranches.com

**WANTED TO LEASE** irrigated land to produce forages or buy standing irrigated pure Timothy or pure Alfalfa; Also looking to lease land or buy standing pure Timothy crops west of Hwy #2. Call Barry at: 403-507-8660, e-mail: info@barr-ag.com

**NGCI 20,000 ACRES**  
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**5440 ACRE RANCH** For Sale! ID#1100569 Richdale: Located 12 miles south of town, deeded land: 1600 acres of which 750 are cult. Grazing lease: 3840 acres with 3 and 4 wire fencing, lots of dugouts and 1 dam. Property also includes 2 houses, hip roof barn, 40'x80' arch roof shop, 50'x100' zipperlock shed and 4 water wells. **Mountain View Horse Ranch ID#1100568 Claresholm:** Great location! This unique 160 acre ranch is just 10 minutes south of Claresholm. Enjoy the mountain view from the magnificent equestrian centre or the 2100 sq. ft. bungalow with 10' ceilings and in-floor heating. There are numerous outbuildings, as well as an outdoor riding arena and another 850 sq. ft. home. Must be seen to be appreciated! Real Estate Centre, 1-866-345-3414. For all our listings view: www.farmrealestate.com

**155 ACRES AGRICULTURAL** land located in Lamont county, AB. 135 acres cult., near N SK. River. Accepting bids until April 25. Call or text, 780-983-6805. No Agents.

**SASKATCHEWAN 6133**

**WANTED**

**GRAIN LAND TO RENT,** 35 mile radius of Rouleau, SK. Call 306-776-2600 or email: kraussacres@sasktel.net

**FARMLAND NE SK**(Clemenceau) 4 quarters plus 36 acre riverside parcel w/5 bdrm. home. Featuring: bins on concrete with direct hit on railroad cars, 40 acres of mostly mature spruce timber, 2 farmyards- 1 bordering Etomami River and 50 miles of provincial forest, excellent elk hunting and other big game and goose. 580 acres cult. Full line of farm equipment and sawmill also available Reg Hertz, 306-865-7469.

**FARM NEAR AVONLEA, SASK.** For Sale: http://www.saskmls.ca/matrix/shared/v6q/rykQvDXDd/RMELMSTHORPE

**RM OF FOAM LAKE #276** for sale NE-18-29-11-W2nd, 160 acres (145 cult.), along Hwy. #310. Mostly oats and barley grown on it. Info. call 306-272-4704.

**RM 273 SLIDING HILLS,** 1 quarter farmland, SW-25-30-01-W2, 155 cult. acres, stone free. 306-542-3125, Kamsack, SK.

**PRICE REDUCED:** Manitoba Ste. Rose Ranch (Ste. Amelie), 14 quarters 2,234.85 fenced land in 1 block, 240 of Class 3 land under cultivation. 2 mi. to paved highway. Golden Plains Realty Ltd, 204-745-3677.

**SASKATCHEWAN 6133**

**DWEIN TRASK REALTY INC.** Langham, SK. full quarter of land with 143 acres cultivated, FMV = 56,000. Just 2.5 miles south of Langham and 1.4 miles west. Priced to sell! \$279,900. Call Dwein today at 306-221-1035.

**ONE OF A KIND,** RM White Valley #49. Turnkey ranch, 8480 acres, 18 titled quarters, South West Sask. Excellent water supply. Exclusive listing, \$20,000,000. Brad Edgerton, 306-463-7357, Kindersley, SK. edgerealty.ca

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**LAND FOR SALE: RM Of Wallace #243.** NW-14-27-01-W2. 160 acres (140 cult.). Phone 204-414-4129.

**SMALL FARM,** RM Prairiedale - Smiley, SK. on Hwy. 307. 152 acres, oil leases, water, machinery, private location. 403-986-3280

**RM OF WILTON** For Sale by Tender with bids closing June 13, 2017. 155 cult. acres with surface lease revenue. MLS #58248. More info. contact Vern McClelland RE/MAX Lloydminster, 780-808-2700.

**URGENTLY NEEDED** approx. 15,000 acres of farmland. For more info. ph 306-221-2208.

**QUALITY FARMS FOR SALE**

Put a Farm Boy to work for you!  
**33/4's Top-quality grain land 157 acres cult per quarter, \$104,325 ave.** assessment all in tight block Moosomin Sk. Check out this Premium operation!  
**8000 acre Turn-key grain, cattle, feedlot** - extremely well kept & managed, step into an operating profitable Agri-business located in SE Sask.

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**Guy Shepherd Farm Boy Realty Corp.**  
1 306 434 8857 guy@farmboyrealty.com  
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**FOR LEASE FARMLAND** in RM 218 and 248; 220 acres cult., 66 acres hay crop and 263 acres native grass pasture for grazing. Avail. May 1st. 306-537-4377, Cupar, SK.

**FOR CASH RENT:** Farmland South of Biggar, SE-03-34-14 W3, SW-03-34-14 W3, NW-35-33-14 W3. Call 250-248-0083.

**SASKATCHEWAN 6133**

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**DAIRY BARN,** potential startup or cow/calf operation. Barn, quonsets, house, etc., Meacham, SK. \$419,900. MLS #604848. Art Urbanowski, Royal LePage Hallmark, 306-222-2206, Saskatoon, SK.

**LOOKING FOR LAND w/Aggregate Potential**  
In Saskatchewan  
**Call POTZUS LTD.**  
Phone: 306-782-7423  
Fax: 306-786-6909  
Email: info@potzus.com

**RM OF LEASK:** 3 quarters adjoining pasture 1092 sq. ft. bungalow home, 40x60' steel quonset, 28x40' quonset style barn. Fair fences, good water, plus small lake stocked w/trout. MLS #580974. For spring possession call Lloyd Ledinski, RE/MAX of the Battlefords, 306-446-8800, 306-441-0512. Lloyd needs farm listing in most districts.

**WANTED 5,000 to 20,000 ACRES**  
**OF GOOD CROP PRODUCTION LAND IN SASKATCHEWAN AND ALBERTA**  
Please call Marcel at 1-403-350-6868  
**Marcel LeBlanc Real Estate Inc.**

**ACREAGES AND FARMLAND:** Mossbank, MLS #599299; Chaplin, MLS #595803; Parkbeg. 3 acreages only 30 mins from Moose Jaw! Picket Fence Realty Ltd., 147 Omnicia St. W., Moose Jaw, SK. Call: 306-694-8000, www.picketfencej.ca

**RM CANWOOD #494,** 3 quarters: Grain, pasture and hay, 265 acres cult. On school bus route. UG power and phone on 2 good yard sites, 2013 assessment 203,700. 306-747-2775 after 6 PM, Shellbrook, SK.

**UNRESERVED AUCTION 417 Acres of River Frontage 19/08/2017** ID#1100561. Preceville, SK. 417 acres Unreserved Auction. Features include: Cert. organic farmland, 980 sq. ft. home, 2 shops, beautiful river frontage, a nice recreation/camping area, good farming potential, an active gravel pit w/\$5000 rental income. **34 Quarter Sections (5419.16 acres) ID#1100380 Bengough.** Probably the best grassland around. Numerous sloughs, dugouts and an UG river run through the property. Some of it could be farmed. Yardsite w/home, corrals, quonset and another with 1978 bungalow and well. **MLS® Real Estate Centre, 1-866-345-3414.** For all our listings view: www.farmrealestate.com

**MANITOBA 6134**

**LAND FOR SALE:** Two quarters West of Plumias, MB. 319 acres (224 cultivated). NE 1/4 14-16-13 and NW 1/4 14-16-13. Contact Tom 204-803-7128.

**COUNTRY PROPERTY, Rosa MB:** Cattle, sheep or horse farm: 3 bdrm, 2 car garage, 72 acres, \$230,000. Call 204-434-9397.

**FARMLAND FOR SALE:** RM Shellmouth, Inglis, MB area. SE of 7-24-27, 149 total acres, 100 cult. acres; SE of 8-24-27, 159 total acres, 130 cult. acres. Info. phone 204-564-2270. allansavchuk1@gmail.com

**MANITOBA 6134**

**3 QUARTERS WITH YARDSITE:** 477 acres in a block. Mixed farm, 300 acre acres. Fenced and cross fenced, 2 shallow wells., 40'x60' machine shed, 34'x44' pole shed, barn, corrals, hay fence. 24'x32' bungalow, w/double attached garage. Located beside the Riding Mtn. National Park. Contact Karen Goraluk-Salesperson, 204-773-6797. NorthStar Insurance & Real Estate. MLS #1701622. www.north-star.ca

**RM OF GILBERT PLAINS,** Taking offers for the sale of the following 5 quarters (approx. 700 ac. cult.): NW-33-26-22-W1; SW-32-26-22-W1; NE-18-27-22-W1; SW-17-27-22-W1; NW-17-27-22-W1. Yard with hydro., 40'x60' insulated workshop, 51'x82' quonset shed, approx. 22,000 bu. grain storage, older 1 1/2 storey house. Highest or any offer not necessarily accepted. Consideration may be given to selling the above quarters separately. For more info. please call 204-334-9986.

**\$1,000,000 FOR SALE BY OWNERS.** 12 quarters - ranch in a block, can be sold in parcels. 1200 sq. ft. home, garage, out-buildings, good well. Call 204-742-3354, Ethelbert, MB.

**EXCELLENT LIVESTOCK FARMS:** 1) 1732 deeded acres w/4425 acres of Crown land, fenced, small bungalow, very good buildings and metal corral system, can carry 350 cow/calf pairs. 2) Excellent horse ranch in Erickson, MB., Riding Arena and buildings in fantastic condition. 3) 640 acres mixed farm within 15 min. of Brandon. 4) 800 acre cattle farm, Rorketon, MB., 1500 sq.ft. home, heated shop. 5) 320 acre grain farm, Elgin area. Jim McLachlan 204-724-7753, HomeLife Home Professional Realty Inc, Brandon, MB., www.homelifepro.com

**CATTLE FARM - 11 quarters and 2 Crown quarters in a block.** Near Roblin, MB. along the Duck Mtn. Prov. Park. Approx. 1100 workable acres, majority is hay. Fenced. Dugouts. May consider selling parcels. Scenic area. Yardsite has a 30'x66' pole shed/work shop. 2 cattle shelters. Corrals. MLS #1627477, Karen Goraluk, Salesperson, 204-773-6797. NorthStar Insurance and Real Estate, visit the website at www.north-star.ca

**PASTURES 6136**

**LOOKING FOR PASTURE** to rent within 300 kms. of Provost, AB. for 60 cow/calf pairs. Call Kelly Sutherland 780-814-4008 or Darcy 780-704-0300.

**MULCHING- TREES, BRUSH, Stumps.** Call today 306-933-2950. Visit us at: www.maverickconstruction.ca

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PASTURES AVAILABLE FOR grazing season 2017. Small or large group. References available. Ph. 306-937-3503, Cando, SK.

**PASTURE LAND RM 271,** 6 quarters, 940 acres in block, fenced, good water source, gravel pockets, close to Duck Mtn. Park. \$600,000. 306-542-3250, Kamsack, SK.

**ACREAGES 6139**

**104 ACRES FARMLAND,** 30 acres cult., 1900 sq. ft. 3 bdrm 2 storey house, salt water in ground pool, wood/oil heat, farm equipment incl., 10 mins from Perth, ON. \$499,000. 613-326-0385, 613-812-2458, email: jamilligan56@gmail.com



**REDUCED! RM KELVINGTON 366.** 1998 custom built 1800 sq. ft. bungalow, attached garage, AC, 3 bdrms., 2 baths completely finished basement with 2 bdrms., bathroom, large family room, laundry room, cold room and second kitchen. 40x80' insulated heated shop. 240 acres of game fenced land w/spring fed well and private lake. Great spot for hunting, fishing, snowmobiling, located 2 miles from Greenwater Provincial Park. For more info. call 306-278-2141, Porcupine Plain, SK.

**12 ACRES OF LAND,** Smiley, SK. Water and sewer available. Commercial or residential. In oilfield, on Hwy 307. 403-986-3280.



**32 ACRES:** 2 homes, outbuildings, and much more! \$1,150,000. Call 403-703-5548 Email: gerardchiasson@gmail.com or go to: www.gerardchiasson.com

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**RECREATIONAL VEHICLES**

**ALL TERRAIN VEHICLES 6161**

**2004 POLARIS RANGER 500,** 4x4, good rubber, cab, 1200 hrs., \$4000. Call 204-427-3311, Woodmore, MB.

**BOATS/WATERCRAFT 6162**

**SCAT HOVERCRAFT AND TRAILER,** Kawasaki engine, good bellows, \$3000 OBO. Ph/text 306-921-7688, Melfort, SK.

**21' GLASPLY INBOARD,** cabin tandem trailer, \$10,000. During the day, please call 403-932-2131, Cochrane, AB.

**LARGE RANCH PACKAGE**

- \$3,950,000
- 4627 acres in one contiguous block
- 2 homes, corrals, shops, barns etc.

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**PELLY:** 159 ac. - 125 cult. ac., assess. 84,200, close to Duck Mountain Provincial Park!  
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**CAMPERS/TRAILERS 6164**

**ICE FISHING HUT SALE.** Reg. \$2200, sale \$1695. While supplies last. Call 306-253-4343, toll free 1-800-383-2228. www.hold-onindustries.com

**2007 KEYSTONE EVEREST 36'** 5th wheel, 4 slide-outs, TV, fireplace, AC, queen bed, sleeps 4, large shower, lots of storage, exc \$20,000. 403-931-3217, Millarville, AB.

**2013 FOREST RIVER Rockwood Signature, SN #8289WS,** excellent cond., used only once, \$39,900. 403-932-7327, Cochrane, AB. email: dalman@xplornet.ca

**FALCON II TRAILER HITCH,** 6000 lbs. cap., tow bar, c/w mounting parts. Phone 306-259-4430, Young, SK.

**MOTOR HOMES 6166**

**USED CLASS B 2013 Winnebago Era 170,** only 10,000 kms., now only \$99,980. See it at Sunridge RV in Radisson, SK. Call us at: 1-877-827-4845. www.sunridgervs.ca

**NEW CLASS A 2017 ACE 30.4.** Save \$\$, only \$129,980 See it at: Sunridge RV, Radisson, SK., Call toll free 1-877-827-4845, www.sunridgervs.ca

**CLASS C 2014 Sunseeker, 2650CDWS,** dual pane windows, walk around bed \$64,980. Sunridge RV, Radisson, SK., 1-877-827-4845. www.sunridgervs.ca

**USED CLASS A 2016 FR-3 30DS,** only 10,000 kms, loaded - lots of options! Only \$109,980. See it at Sunridge RV, Radisson, SK., 1-877-827-4845, www.sunridgervs.ca

**NEW CLASS C 2017 Thor Compass 23TB,** powerstroke diesel, loaded, 3 tv's, only \$99,980! Sunridge RV, Radisson, SK., 1-877-827-4845, www.sunridgervs.ca

**WINNEBAGO ADVENTURE MOTORHOME,** 33' custom built, winter package, thermal pane windows, drivers door, 1 owner, stored inside. Call 306-577-2214 or 306-861-1451, Kenosae Lake, SK.

**2014 CLASS C Itasca Spirit 25B,** 34,000 miles, Only \$59,980! Sunridge RV, Radisson, SK. Email: www.sunridgervs.ca 1-877-827-4845

**USED CLASS B 2002 Pleasureway Excel,** wide body, 1 owner, 38,000 kms. Like new, must see! Sunridge RV, Radisson, SK., 1-877-827-4845. www.sunridgervs.ca



**2016 TUSCANY XTE 40AX, #GCHH8907,** \$279,000. Class A diesel. AMVIC Lic. Dir. Call 1-866-346-3148 or shop online 24/7 at Allandale.com

**USED CLASS A 2014 Thor Ace 29.2,** under 3000 miles. Huge bargain at \$99,980! See it at Sunridge RV in Radisson, SK. Call us at: 1-877-827-4845. www.sunridgervs.ca

**USED CLASS C 2016 Siesta Mercedes 24ST,** dsl, only 3000 miles for \$109,980. See it at Sunridge RV, Radisson, SK., 1-877-827-4845, www.sunridgervs.ca

**NEW CLASS C 2017 Quantum GR22.** Wow 22' w/walk around bed! Only \$97,980. See it at: Sunridge RV, Radisson, SK., 1-877-827-4845, www.sunridgervs.ca

**MOTORCYCLES 6167**

**1983 HONDA GOLDWING 1100 w/trailer,** chrome pkgs lights; 1959 Goldwing 1000, not running; Two 1985 Honda Big Reds with reverse. 306-398-2559, Cut Knife, SK.

**RENTAL/ACCOMODATIONS**

**APARTMENTS/HOUSES 6210**

**WANTED: RESPONSIBLE single or couple** for long term rental of farm home, East of Blackie, AB. Very clean 1100 sq. ft. home with single detached garage, large yard, very private. \$1000/month, includes heat and electricity. Call 403-652-0394.

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**VACATION ACCOMMODATIONS 6245**

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The *Seeds Regulations* prohibit the advertisement or sale of common seed of the major crop kinds by variety name. A variety name may only be applied to pedigreed seed that has been grown, processed, sampled, tested and graded as set out in the *Seeds Regulations*. Furthermore, seed of unregistered varieties of the crop kinds subject to variety registration may not be sold in Canada even when labelled as common seed.

**For more information contact the Canadian Food Inspection Agency, Seed Section at: seedsemen@inspection.gc.ca or phone 1-800-442-2342**

**CEREAL SEEDS**

**BARLEY 6404**

CERT., REG. CDC Copeland. Volume and cash discounts. Please text or call Jeff at Sopotyk Seed Farms, 306-227-7867, Aberdeen, SK. jeffsopotyk@me.com

AC METCALFE, CDC Copeland; Cert. and Reg., low fusarium/graminearum. Terre Bonne Seed Farm, 306-921-8594 or 306-752-4810, Melfort, SK.

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**CDC COPELAND BARLEY,** reg. and cert., top quality seed. Gregoire Seed Farms Ltd, North Battleford, SK., 306-441-7851, 306-445-5516. gregfarms@sasktel.net

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- AAC Synergy Malt Barley
- 15.0+ protein Hard Red Spring Wheat
- 11.5 Protein Winter Wheat
- Soybeans and Peas
- Feed Wheat, Barley and Corn

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**CERT. #1 COPELAND,** 95% germ., 94% vigor, 0 fusarium. Sandercock Seed Farm, 306-334-2958, Balcarres, SK.

**CERTIFIED # 1,** high germ, 0-3% fus.: AAC Synergy, AC Metcalfe, CDC Copeland, Legacy. **Seed Source,** Archerwill, SK, 306-323-4402.

**TOP QUALITY CERT. #1** CDC Copeland, AC Metcalfe, Newdale. Frederick Seeds, 306-287-3977, Watson, SK.

**CERTIFIED AAC SYNERGY** seeds available. Call Smith Seeds, 306-263-4944, Limerick, SK.

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AAC SYNERGY BARLEY, Certified Seed Strathmore Seed Plant, 403-934-3421 or straseed@ccwireless.ca

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**CERTIFIED #1 CDC RUFFIAN,** AC Leggett, CDC Orrin. Call Fenton Seeds, 306-873-5438, Tisdale, SK.

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**WHEAT 6419**

**CERTIFIED AAC PREVAIL,** AAC Foray and AAC Pasture. Volume and cash discounts. Please text or call Jeff at Sopotyk Seed Farms, 306-227-7867, Aberdeen, SK. Email: jeffsopotyk@me.com

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is interested in buying any wheat/durum with higher levels of Fusarium/Vomitoxin.

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**AAC JATHARIA** VB, certified #1, midge tolerant, high yielding. Stoll's Seed Barn Ltd., Delisle, SK. 306-493-7409.

**HRSW CERTIFIED #1 SHAW** VB, midge tolerant; Cert. #1 Vesper, midge tolerant; CPSR certified #1 AAC Foray, midge tolerant. Call Andrew 306-742-4682, Calder, SK.

**CERTIFIED CDC UTMOST** VB, CDC Unity VB, Goodeve VB, Lillian, Waskada. High germ., 0 - 0.5 disease. Call Palmier Seed Farms, Lafleche, SK., 306-472-7824.

**CERTIFIED #1 - High germ., low disease:** AAC Brandon; CDC Plentiful; CDC Utmost VB; Cardale; AAC Connelly; AAC Penhold; Elgin ND. **Fedoruk Seeds,** Kamsack, SK., 306-542-4235. www.fedorukseeds.com

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**CERTIFIED CDC UTMOST** VB, CDC Unity VB, Goodeve VB, Lillian, Waskada. High germ., 0 - 0.5 disease. Call Palmier Seed Farms, Lafleche, SK., 306-472-7824.

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**CERTIFIED CDC UTMOST** wheat seed available. Call Smith Seeds, 306-263-4944, Limerick, SK.

**CERTIFIED #1** CDC Plentiful, Cardale, Elgin ND, Goodeve VB, Vesper VB. Fenton Seeds, 306-873-5438, Tisdale, SK.

**CERTIFIED AAC JATHARIA** VB and CDC UTMOST VB wheat, Reinsner Seed Farm, 306-642-8666, Limerick, SK.

**CERT. #1 AAC BRANDON,** Unity VB, Vesper VB, Shaw VB, Carberrry, Waskada, AC Barrie. 96% - 99% germ., 0% gram./fus. Lepp Seeds, 306-254-4243, Hepburn, SK.

**EXCELLENT QUALITY CERTIFIED #1** AC Andrew, Cardale, CDC Utmost, CDC Plentiful, Muchmore, AAC Elie, AAC Connelly, AAC Brandon, Elgin ND, Frederick Seeds, 306-287-3977, Watson, SK.

**CERTIFIED #1 AAC Brandon** HRS, high germ., low fusarium gram. Seed Source, 306-323-4402, Archerwill, SK.

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**AAC JATHARIA** VB, certified #1, midge tolerant, high yielding. Stoll's Seed Barn Ltd., Delisle, SK. 306-493-7409.

**HRSW CERTIFIED #1 SHAW** VB, midge tolerant; Cert. #1 Vesper, midge tolerant; CPSR certified #1 AAC Foray, midge tolerant. Call Andrew 306-742-4682, Calder, SK.

**CERTIFIED CDC UTMOST** VB, CDC Unity VB, Goodeve VB, Lillian, Waskada. High germ., 0 - 0.5 disease. Call Palmier Seed Farms, Lafleche, SK., 306-472-7824.

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**CERTIFIED #1** CDC Plentiful, Cardale, Elgin ND, Goodeve VB, Vesper VB. Fenton Seeds, 306-873-5438, Tisdale, SK.

**CERTIFIED AAC JATHARIA** VB and CDC UTMOST VB wheat, Reinsner Seed Farm, 306-642-8666, Limerick, SK.

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**HRSW CERTIFIED #1 SHAW** VB, midge tolerant; Cert. #1 Vesper, midge tolerant; CPSR certified #1 AAC Foray, midge tolerant. Call Andrew 306-742-4682, Calder, SK.

**CERTIFIED CDC UTMOST** VB, CDC Unity VB, Goodeve VB, Lillian, Waskada. High germ., 0 - 0.5 disease. Call Palmier Seed Farms, Lafleche, SK., 306-472-7824.

**CERTIFIED #1 - High germ., low disease:** AAC Brandon; CDC Plentiful; CDC Utmost VB; Cardale; AAC Connelly; AAC Penhold; Elgin ND. **Fedoruk Seeds,** Kamsack, SK., 306-542-4235. www.fedorukseeds.com

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**CERTIFIED CDC UTMOST** wheat seed available. Call Smith Seeds, 306-263-4944, Limerick, SK.

**CERTIFIED #1** CDC Plentiful, Cardale, Elgin ND, Goodeve VB, Vesper VB. Fenton Seeds, 306-873-5438, Tisdale, SK.

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**CERT. #1 AAC BRANDON,** Unity VB, Vesper VB, Shaw VB, Carberrry, Waskada, AC Barrie. 96% - 99% germ., 0% gram./fus. Lepp Seeds, 306-254-4243, Hepburn, SK.

**EXCELLENT QUALITY CERTIFIED #1** AC Andrew, Cardale, CDC Utmost, CDC Plentiful, Muchmore, AAC Elie, AAC Connelly, AAC Brandon, Elgin ND, Frederick Seeds, 306-287-3977, Watson, SK.

**CERTIFIED #1 AAC Brandon** HRS, high germ., low fusarium gram. Seed Source, 306-323-4402, Archerwill, SK.

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**AAC JATHARIA** VB, certified #1, midge tolerant, high yielding. Stoll's Seed Barn Ltd., Delisle, SK. 306-493-7409.

**HRSW CERTIFIED #1 SHAW** VB, midge tolerant; Cert. #1 Vesper, midge tolerant; CPSR certified #1 AAC Foray, midge tolerant. Call Andrew 306-742-4682, Calder, SK.

**CERTIFIED CDC UTMOST** VB, CDC Unity VB, Goodeve VB, Lillian, Waskada. High germ., 0 - 0.5 disease. Call Palmier Seed Farms, Lafleche, SK., 306-472-7824.

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**CERTIFIED AC CARBERRY** and AC Shaw VB. 0% FHB. Contact Ennis Seeds 306-429-2793, Glenavon, SK.

**CERTIFIED CARDALE,** AAC Redwater, CDC Plentiful, CDC Utmost, Pasture. **Van Burck Seeds,** 306-863-4377, Star City, SK. www.vanburckseeds.ca

**CERTIFIED CDC UTMOST** wheat seed available. Call Smith Seeds, 306-263-4944, Limerick, SK.

**CERTIFIED #1** CDC Plentiful, Cardale, Elgin ND, Goodeve VB, Vesper VB. Fenton Seeds, 306-873-5438, Tisdale, SK.

**CERTIFIED AAC JATHARIA** VB and CDC UTMOST VB wheat, Reinsner Seed Farm, 306-642-8666, Limerick, SK.

**CERT. #1 AAC BRANDON,** Unity VB, Vesper VB, Shaw VB, Carberrry, Waskada, AC Barrie. 96% - 99% germ., 0% gram./fus. Lepp Seeds, 306-254-4243, Hepburn, SK.

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**COMMON SEED**

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**PEACE COUNTRY GROWN WINTER-HARDY** Alfalfas, Bromegrasses, Clovers, Timothy, Wheatgrasses, Hay Mixes, Pasture Mixes. Will ship anywhere in Canada. Organic and conventional. Call Golden Acre Seeds for quote: 1-800-481-7333. Fairview, AB.



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**ALFALFA, TIMOTHY,** Brome, Clover, hay and pasture blends, millet seed, Crown, Red Prozo. 204-685-2376, Austin, MB.

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**FEED GRAIN 6505**

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**ROUND ALFALFA/ALFALFA GRASS** solid core greenfeed 5x6 JD hay bales for sale. Call 306-237-4582, Perdue, SK.

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**We are currently looking for a NANNY to care and nurture our children (ages 2 and 10).**

We live on a large grain farm with some cattle near Schuler, AB. Looking for a live in, or out nanny, who would be willing to care for our home and children. CPR and child care experience required. Wages/salary negotiable. Accommodations negotiable. Email your resume and references to: [nseitzranrn@live.com](mailto:nseitzranrn@live.com)

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**SENIOR LEVEL FT EMPLOYEE** required for specialized grain farm in scenic western AB. Possible accommodation. Must have experience with grain production, machinery operation, maintenance and service. Mechanically inclined a must. Duties include all aspects of field work, loading and weighing trucks, cleaning bins, keeping records, and general farm maintenance. Salary will depend on experience and performance. Partnership or shares possible. Flexible hours and days in non peak times. Phone/tx 403-994-2609. Email resume to: [info@mastinseeds.com](mailto:info@mastinseeds.com)

**LOOKING FOR COMBINE OPERATOR** for 2017 harvest season. Wanting self-motivated, responsible individual with experience in running harvest equipment. We offer competitive wages and modern farm equipment. Located approx. 45 mins SE of Regina, SK. Call or text 306-861-7856.

**FULL TIME POSITION** available on a larger grain farm, duties to include planting, spraying, harvesting, and hauling grain. Must have Class 1, and previous farm exp. Housing with utilities available. Dwayne & Kim Farms, 204-748-8156, Elkhor, MB.

**SEASONAL EXPERIENCED HELP** wanted on farm near Rouleau, SK. Must have 1A license. Separate housing provided. Phone 306-776-2390, [armstrong.ent@sasktel.net](mailto:armstrong.ent@sasktel.net)

**GRAIN FARM** in SW SK. requires seasonal operator/farm hand. Farm machinery operating/maintenance experience and Class 5 license required. Class 1A, mechanical and carpentry experience an asset. Competitive wage based on experience. Housing available. **Gull Lake, SK.** Email us at: [rallison@yourlink.ca](mailto:rallison@yourlink.ca) Call: 306-672-3711 or cell: 306-672-7616, fax: 306-672-3720.

**FARM LABOURER REQUIRED** for mixed farm to operate machinery, cattle handling and general farm duties. Driver's license required. Single or family accommodations including utilities. Ph 403-575-0712 or fax resume 403-577-2263, Consort, AB.

**EXPERIENCED GRAIN FARM** Equipment Operator required for the 2017 season. Farm located near Rosetown, SK. Wages negotiable based on experience. Call 306-831-7686.

**POTATO STORAGE MANAGER/ Irrigation Technician** Potato and special crops farm, looking for an individual to oversee our Portage operations. Duties include: Potato storage management; Facilitation of shipping and crop irrigation; And any other duties as required, hours will vary. Call 204-745-8335, Portage LaPrairie, MB.

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**FARM /RANCH HELP** in Central, AB. Large Cattle/Grain Operation is accepting resume's for herdsman/equipment operator. Must have ag background. Good wages for experienced person. Housing available on site. Available Immediately. Submit resume with farm related work references by (fax) to: 780-376-0000 or (email) to: [marie@rawesranches.com](mailto:marie@rawesranches.com) 780-376-2241, [www.rawesranches.com](http://www.rawesranches.com)

**FULL-TIME HELP WANTED** on bison, cattle and custom haying farm. Must be self-motivated, have exp. w/livestock and haying equipment. Ph. 780-808-1592 Kitscoty, AB

**MOTIVATED FARM EQUIP. Operators** required near Kamsack, SK. for seeding, spraying, spring tillage. Successful candidates may need to work long hours and weekends, but will be offered a competitive wage. Call 306-590-8537 or email resume to: [bcgeerts@execulink.com](mailto:bcgeerts@execulink.com)

**FARM LABOURER WANTED** for mixed farm: operate machinery, cattle handling, general farm duties. Driver's license required. Email [dazybfarms@live.ca](mailto:dazybfarms@live.ca) or call 780-721-9544.

**COMBINE OPERATORS AND Truck Drivers** wanted: Come and be part of our 2017 Harvest Crew! Prior experience is an asset. Truck Drivers - Must have Class 1 license, be able to provide drivers abstract and pass drug test. All applicants must have a valid passport and be allowed entry into USA. Start May, 2017 in Texas work in Oklahoma, Kansas, Montana, Alberta and finish in Colorado in November. Accommodations and food provided. Call 303-345-5028.

**FARM MANAGER:** 5000 acre farm in Uganda, East Africa requires a farm manager **immediately.** Location is remote (1.5 hrs. from nearest large center). Compensation reflects the opportunity. Equity participation can be part of the package. If you are looking to farm on one of the last agricultural frontiers with 2 complete seasons contact Randy Sohnchen by email: [randysohnchen@gmail.com](mailto:randysohnchen@gmail.com)

**POSITION AVAILABLE.** Cypress Hills, SK. area. Background yearling grasser operation and cow/calf. Modern facilities and equipment. Good working environment. Class 1 preferred. Wages negotiable depending on experience. Ph. 306-295-7473.

**SEASONAL FARM WORKER** required May 1st to mid November on large cattle and grain operation at Bashaw, AB. Applicant must have significant machinery knowledge and experience with seeding, spraying, haying, harvesting and tillage. Class 1 licence would be an asset. Applicant must be highly motivated and have good communication skills. Competitive salary and accommodations available. For more info contact Dwight, 403-323-2355. Send resume to: [ddurie@xplornet.com](mailto:ddurie@xplornet.com) We thank you for your interest however, only those applicants considered for the position will be contacted.

**LARGE SE SASK grain farm** hiring experienced equipment operators. Class 1A an asset. Competitive wages. Housing available. Phétext 306-421-1110. Email: [duaneforrester@sasktel.net](mailto:duaneforrester@sasktel.net)

**FARM LABOURER WANTED** in Osage, SK. Full-time work from mid April through October. Starting wage: \$20/hr. Accommodations included. 1A license, machinery operation and mechanical experience is a preferred asset but not essential. Call 306-722-7722 or 306-722-7654, or email: [l.lynn@xplornet.com](mailto:l.lynn@xplornet.com)

**FULL-TIME FARM HANDS** required for large family farming operation. Previous experience with latest JD equipment and grain farming an asset. Must be reliable, self-motivated and have a valid drivers license. Wages negotiable. Call 306-648-8024, Shamrock, SK. Fax resume to: Hawkins Bros., 306-648-2689 or email [hawkinsbros@sasktel.net](mailto:hawkinsbros@sasktel.net)

**HELP WANTED** for cattle and grain operation. Monthly or hourly wage. Seeking self-motivated person, potential for year round work. 306-795-2710, Goodeve, SK.

**FARM LABOURER REQUIRED** for livestock operation. Duties include: operating, maintaining seeding & harvesting equip. Smoke free enviro., \$17/hr. Housing avail. Lyle Lumax, 204-525-2263, Swan River, MB.

**2 SEASONAL FARM MACHINERY operators** required. Must be able to operate grain cart, tandem grain truck, FWA tractor w/rockpicker, 4 WD tractor for harrowing. Also manual labour for upkeep of leafcutter bees and general servicing of equipment. May 1 to October 31. \$15-\$18/hr. 101008187 SK Ltd., 303 Frontier Trail, Box 372, Wadena, SK., S0A 4J0. Fax: 306-338-3733, phone: 306-338-7561 or email: [cfehr9860@hotmail.com](mailto:cfehr9860@hotmail.com)

**STABLE MANAGER NEEDED** for trail ride operation in Lake Louise. Duties include horse care and health, staff supervision, schedules, training horses and guides, guiding trail rides, generally facility maintenance. Experience required. Housing included. Opportunity for year round job. Please send resume with references to: [horses@brewsteradventures.com](mailto:horses@brewsteradventures.com)

**PERMANENT RANCH HAND POSITION** available for experienced individual or couple on large cow/calf operation in SE AB. Duties include: Checking and moving cattle on horseback, calving cows, haying, fencing and winter feeding. Must have valid drivers license, be motivated & reliable to able to work w/o supervision. We offer competitive wages, a bonus system and a house on a school bus route. Fax resumes to: 403-868-2600 or email: [jbarr@shaw.ca](mailto:jbarr@shaw.ca)

**LARGE GRAIN FARM** and Custom Farming Operation is seeking qualified operators to start in April. Must have minimum 2 years experience operating large farm machinery. Year round and seasonal employment available. Class 1A preferred, but may also help the right individual to obtain license. Wage dependent on individual's performance and experience. Accommodations provided. Call Brent 306-421-9270, fax resume 306-456-2835 or email [bkfarms@outlook.com](mailto:bkfarms@outlook.com) Bromhead, SK.

**FULL-TIME FARM LABOURER HELP.** Applicants should have previous farm experience and mechanical ability. Duties include operation of machinery, including tractors and other farm equip., as well as general farm laborer duties. \$25/hour depending on experience. Must be able to cross US border. Location: Pierson, MB/Gainsborough, SK. Feland Bros. Farms, Greg Feland and Wade Feland, Box 284, Pierson, MB. ROM 1S0. 701-756-6954.

**EXPERIENCED FULL-TIME HELP** for mixed farm, Class 1 an asset. Competitive wages. Call 306-537-6435, Odessa, SK.

**SHEEP RANCHER SEEKS** exp. person or family to assist w/sheep. Can provide a permanent home. Refugee family welcome Call 250-785-1237, Ft. St. John, BC.

**WEST CENTRAL SK.** grain farm requires seasonal helper w/potential for full-time. Class 1A an asset. Wages based upon experience. Call 306-230-0040, Major, SK, or email resume to: [lwalz123@hotmail.com](mailto:lwalz123@hotmail.com)

**FARM MACHINERY OPERATOR** at 3rd generation family owned grain and oilseed farm. We are currently looking for an able individual to be an integral part of the operation. Duties include: plant, fertilize, cultivate, spray, and harvest crops. Operate, service, and repair machinery and equip. Maintain buildings and yardsite. Starting wage of \$30/hr plus, depending on ability. Call 306-745-2528, 306-745-8337, Atwater, SK.

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**HELPER WANTED** ON mixed farm. Steady job for right person. Room and board avail. 403-631-2373, 403-994-0581, Olds, AB.

**SASKATCHEWAN GRAIN FARM** seeking energetic souls for seasonal or full-time roles. 306-776-2510, Rouleau, SK. Email: [candice\\_zinn@hotmail.com](mailto:candice_zinn@hotmail.com)

**AGRICULTURAL HELICOPTER PILOT** Jet Ranger: Duties of position are to make agricultural aerial application with helicopter on farms in western Canada. Basic supervising and record keeping of jobs, loading helicopter and spraying jobs. Provincial pesticide licence will be required but can be obtained in house prior to commencement of work. 400 hrs minimum required, with 200 hrs min. experience performing agricultural row crop spraying. Turbine time is an asset. Experience operating SatLock or AgNav GPS required. Must be insurable through our insurance company. This is a season position based in Leask SK., working in the northern Saskatchewan agricultural areas. Duration of work from approximately June 10th to October 5th. Dates may fluctuate slightly. Training and familiarization required prior to commencement of these start and end dates. English language proficiency required. This is a full time seasonal position working 40 hours per week, minimum of \$50/hr plus holiday pay. Bonuses based on performance. Workers compensation provided. Accommodations and vehicle provided. Please contact by sending resume and hrs of experience breakdown by email to: [provjobs@provincialhelicopters.com](mailto:provjobs@provincialhelicopters.com) Suitable candidates will be contacted back by email or by phone, so please include that information in your resume.

**SOUTH SASK FARMER** looking for female to cook and maintain modern home. Text/call for more details. 306-313-4981.

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**COOK FOR BACK COUNTRY** Lodge at Jasper National Park, July to mid-September, room and board supplied. 780-852-4215.

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**KEENAN SALES REPRESENTATIVE:** This position will direct sales of Keenan mixer wagons to livestock producers. Ideal candidates have an Agriculture related degree or diploma, strong knowledge of dairy and beef production along with a keen interest in ag machinery. Prior sales success, ideally direct to farm, is an asset. Travel within western Canada will be required. This is a salaried position based out of the Calgary, AB. office. Contact, 403-735-3281 or visit us online: [www.keenansystem.com](http://www.keenansystem.com)

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- Thorough understanding of logistics
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- Good computer literacy, especially with Excel
- Good communication skills
- Proven leadership abilities
- Team player
- A degree in Agriculture or relevant business discipline is an asset



To apply for this opportunity, please send a resume before May 12, 2017 to: **Human Resources OlySky LP Humboldt, SK** Email: [OlyskyResumeBank@olynei.com](mailto:OlyskyResumeBank@olynei.com)

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PILOT PROJECT

## Alberta encourages local hiring as first option

Ag workers aren't on the program's eligible job list

BY BARB GLEN

LETHBRIDGE BUREAU

The Alberta government wants employers to hire provincial residents first before using temporary foreign workers or other options.

Alberta Labour Minister Christina Gray recently announced the Employer Liaison Service, a federal-provincial pilot project she said is designed to ensure Albertans are "first in line" when employees are needed.

The 24-month pilot program will connect employers with a service that will in turn attempt to connect them with potential employees with emphasis on people from indigenous groups, persons with disabilities, new immigrants with permanent resident status and young people.

The program applies to 29 high-skilled job categories, including engineers, heavy equipment mechanics, carpenters, millwrights, welders and transport truck drivers.

Agricultural workers are not on the list.

Gray said Alberta employers had difficulty finding workers when the provincial economy was booming and looked to the Temporary Foreign Worker Program.

"At the time, these workers helped keep Alberta's economy running. But times have changed. Last year there were 100,000 Albertans on employment insurance. Many of those were highly skilled Albertans looking for jobs," said Gray.

"At the same time, Alberta employers applied to the federal government to hire 10,000 temporary foreign workers. We know from the data that some of those jobs could and should have been filled by qualified workers right here at home."

Employers who seek to use the TFWP to fill jobs on the list of 29 categories will now be directed to the liaison service, which will attempt to connect them with qualified Albertans seeking jobs.

To qualify for hiring through the TFWP, employers have to complete a labor market impact assessment to prove no local people are available for the vacancies.

Gray said anyone applying for such an assessment now will be routed to the liaison service.

Patty Hajdu, federal minister for employment, workforce development and labour, also participated in the announcement, held at Edmonton's Northern Alberta Institute of Technology.

She said the project "will put Albertans first in line" for jobs and assist with employment challenges created after the downturn in the oil and gas sector. Data from the pilot project will be shared with the federal government to see if a similar project should be applied elsewhere, she said.

barb.glen@producer.com

## NO SILVER LINING



The sky looked ominous over Pense, Sask., April 19. | KAREN BRIERE PHOTO

B.C. ELECTION

## Liberals base ag policy on profits

Agriculture minister says focus is on domestic food security and increasing agri-food exports

BY TERRY FRIES

FREELANCE WRITER

SUMMERLAND, B.C. — When it comes to agricultural policy, the British Columbia Liberal party hangs its re-election hopes on exports combined with a buy-local philosophy.

For Agriculture Minister Norm Letnick, it all comes down to ensuring farming is a profitable venture.

"The government fully believes that if you want to have a strong agri-food sector, they have to be making a profit. It's a business imperative to make a profit."



NORM LETNICK  
B.C. AGRICULTURE MINISTER

"And so exports not only help our producers and processors make a profit, it also increases their capacity to process food in British Columbia, and I believe that goes a long way to improving our financial food security."

While agriculture issues are unlikely to become decisive factors in the May 9 election, issues such as food security, sustain-

ability, the Agricultural Land Reserve and food safety are on the public radar.

The Liberals have been the governing party in B.C. since 2001, first with Gordon Campbell as leader, then with Christy Clark since 2011.

The Liberal platform promises to increase exports of agri-food and seafood products by 25 percent by 2020.

"A big part of our focus is B.C.'s food security. For me, that means driving domestic consumption as well as exports," Letnick said.

He said 25 percent is a lofty goal, but setting challenging targets is a strong motivator.

"If you don't achieve it, you probably will achieve way more than you would have achieved if you just gave yourself a modest goal," he said.

"I think it's doable. It won't be without a lot of work, a lot of effort on the part of everyone involved rowing in the same direction and on the part of government."

There are few specifics as to how the party plans to achieve the export targets other than through trade promotion, but Letnick outlined an example of how the government has aided export development in the past. He pointed to a B.C. exports catalogue designed for would-be buyers, which features descriptions, photos and contacts for the province's export-ready products.

At the same time, Letnick said export promotion has to go side-by-side with a buy-local push.

The party platform promises to double the money available in the Grow Local program, which provides money to community projects that offer education or increase awareness on how to grow food and for one-on-one consultations on how to grow local food.

As well, the Liberals would increase the Buy Local program by \$1 million beginning in 2019.

The party also specifies increased support for the hops industry, although there are no details as to how that would happen.

Letnick said if re-elected, the Liberal government would meet with the industry to see how it might allocate resources.

Another issue that might affect farmers is the Liberal decision to hold the line on the carbon tax at \$30 per tonne.

Letnick said the exemption for farmers would continue, as would an 80 percent exception for greenhouse growers.

"The party believes that the rest of the country needs to catch up. That will put us in a competitive, more of a balance situation with other provinces."

"Our agri-food is being not only sold in British Columbia and in other countries but across this country. So for me, again, it is a matter of improving our food security in our province by ensuring our farmers, our ranchers, our fishers, our processors are competitive."

The party also has a statement in

its platform about banning neonicotinoid chemicals if elected. Letnick said that would apply only after hearing the latest report from Health Canada on the matter, which is expected soon.

IN 2016, AGRI-FOOD EXPORTS IN B.C. WERE

\$3.8 billion

He said under the past Liberal government, agriculture has thrived with record sales of \$13 billion in agri-food receipts in 2015 and record profits of \$440 million.

He said exports of agri-food and seafood goods reached a record \$3.8 billion in 2016, which is up 44 percent since 2013.

Here are other key points in the Liberal platform:

- expanding the rural dividend program, which provides funding for economic development activities for communities smaller than 25,000
- improving internet access to rural areas
- cutting the small business tax to two percent
- phasing out PST on electricity for all businesses
- allocating \$5 million to fruit tree replanting programs in the Okanagan Valley

Terry Fries is a freelance writer based in Summerland, B.C.

'TAX ON TAX'

## Carbon tax not revenue neutral, says analysis

BY KAREN BRIERE  
REGINA BUREAU

Ottawa could earn up to \$280 million over the next two years from the provincial carbon taxes in Alberta and British Columbia, says a report released last week.

It means the federal government's claim that a mandated carbon tax would be revenue neutral is false, said B.C. Conservative MP Mark Warawa, who requested the analysis.

Warawa asked the Library of Parliament to look at the numbers after the Canada Revenue Agency said a year ago that provincial carbon taxes on goods and services such as gasoline would be subject to the GST.

Based on provincial budget revenue estimates, the analysis suggests that each of the two provinces would pay \$65 million in GST on carbon tax this fiscal year, and \$85 million in Alberta and \$65 million in B.C. next year, for a total of \$280 million.

Alberta estimated the carbon tax will yield \$1.3 billion this year and \$1.7 billion the next, while in B.C. the estimates are \$1.3 billion each year. Those are based on carbon prices of \$20 per tonne this year in Alberta and \$30 per tonne in 2018-19, and \$30 per tonne both years in B.C.

If the levy rose to \$50 per tonne in 2018-19, the two provinces would contribute \$250 million in GST that year alone.

"The estimated amount of \$250 million in GST revenue in relation to Alberta's and British Columbia's carbon taxes should be interpreted as an upper limit," the report said. "In reality, there are at least two reasons why the actual amount of GST revenue in relation to these taxes would likely be lower than the estimated amount of \$250 million."

The first is that certain goods and services are exempt from paying GST. For example, businesses don't pay GST on exported goods but can claim tax credits for the full GST paid on their inputs. Any carbon tax embedded in these goods wouldn't be subject to GST, the report said.

The second is that the full carbon tax may not be passed on to consumers in all cases.

However, Warawa said the Liberal government shouldn't be claiming that the carbon levy is revenue neutral when it will be collecting "billions."

Every province is to have a minimum \$10 per tonne levy by next year, rising to \$50 by 2022.

"This shameless tax grab is unfair to Canadians, and it's not what the prime minister promised."

Warawa has introduced Bill C-342: An Act to Amend the Excise Tax Act (carbon levy), which, if passed, would prevent the federal government from collecting the GST on the levy.

"It's not fair to charge a tax on a tax," he said.

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BY BARB GLEN  
LETHBRIDGE BUREAU

It's a church built upon Alberta beef.

And that's why it's also a church that once had a registered cattle brand, the simple AUC registered for the left rib.

Airdrie United Church celebrates its 115th anniversary April 28-30 and while preparing display material for the festivities, Reverend Karen Holmes came across the notice of renewal for the church's official cattle brand.

Though she has served in various Alberta churches since being ordained 29 years ago, a church with a cattle brand was a first for Holmes.

She decided to investigate and found that at various times when funds were needed for church building projects, members raised cattle and donated the sale proceeds to the church.

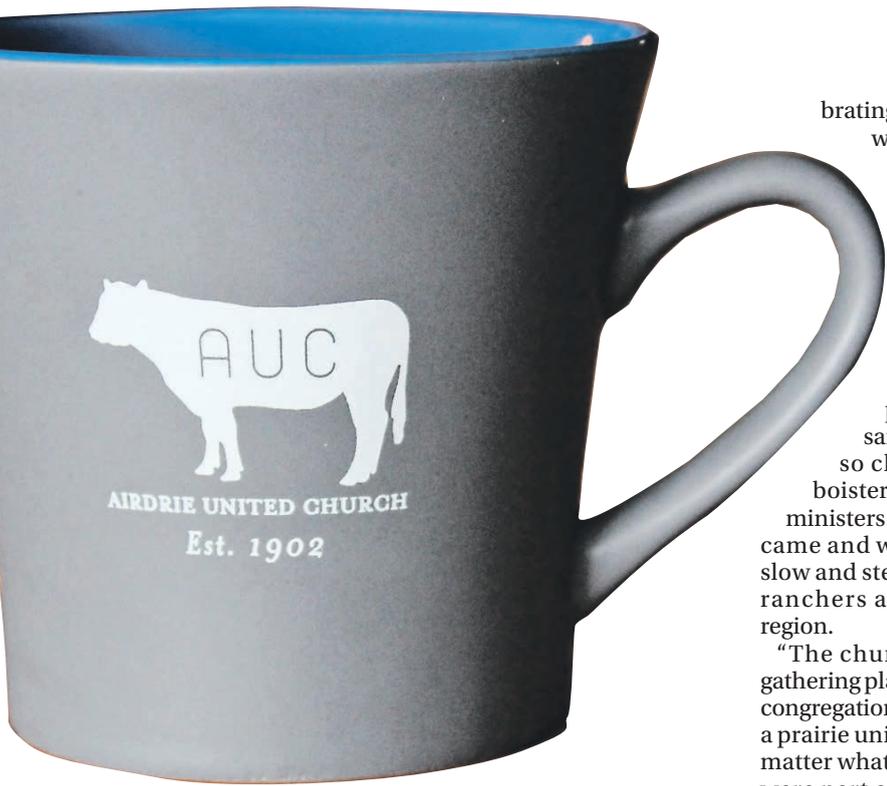
"One of the reasons they got the brand registered is because they were having issues keeping track of the calves. It just was a way to help keep things clear," said Holmes a few days before the anniversary celebrations.

"One farmer told me that his father was one of the guys that had the calves in his feedlot ... and one of the church calves died. He felt really, really bad about that. It was just one of those things that happened, so when it came time for the sale he substituted in one of his own calves so the church wouldn't go short.

"I love that. I think it's hilarious. So maybe one of the reasons for the brand was to keep farmers from being overly generous."

Holmes and others in the congregation have learned the brand was likely registered in 1970 or 1971 and renewed until the early 1990s.

However, it seems likely that cattle were used for fundraising



115TH ANNIVERSARY

## The church that beef built

Cattle sale fundraisers were the backbone of Airdrie United Church — one reason it registered its own cattle brand

as far back as the 1960s and possibly longer.

One church member is going through old records to find figures on church loans involved in buying cattle and funds raised from sales.

"We're really curious to find out in a year how many calves were purchased and how many were sold and what kind of profit did

they make," said Holmes.

"It's kind of fun. It's not the normal thing you see in a church ledger book"

The other mystery is why a church would celebrate the somewhat unusual anniversary number of 115.

Holmes cleared that up right away. It's because the church, established in 1902, missed cele-

brating its centennial, and when Holmes came to Airdrie last April as an interim minister, she learned of the oversight and set the congregation's sights on a 115th anniversary event.

The church has a proud history, she said. In a town situated so close to the big and boisterous City of Calgary, ministers and many residents came and went, but there was slow and steady growth among ranchers and farmers in the region.

"The church was one of the gathering places in town. It was a congregation that was kind of like a prairie union church. It didn't matter what denomination you were part of. You came to this church because it was the only one in town."

Protestants used the church on Sunday mornings and Catholics in the afternoon, said Holmes.

Long-time area residents have told her that "back in the day, there was really nothing that started in Airdrie that didn't start in a conversation in the United Church parking lot, or after coffee."

Though the original church was built in 1903, replaced in 1921 and added to in the 1980s, it now faces the need for either replacement or extensive and expensive repairs.

As always, funding for a new church is a challenge and Holmes said members have been pondering ways to raise money. She doesn't know if that will involve branding cattle, as it has in times past.

That may be discussed at the April 28 banquet that will start off anniversary celebrations.

The menu? Roast beef, of course.

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**We're really curious to find out in a year how many calves were purchased and how many were sold and what kind of profit did they make.**

REVEREND KAREN HOLMES  
AIRDRIE UNITED CHURCH



For more than 50 years, farmers sold cattle and donated money for building projects and renovations for Airdrie United Church. | COURTESY AIRDRIE UNITED CHURCH  
A special coffee mug was designed for the church's 115th anniversary, which takes place April 28-30. | AYESHA CLOUGH PHOTO

## RECYCLING

# Ohio man farms the wasteland

From hot dogs to coffee grounds, rotten fruit to phone books— it all ends up as compost

BY BARBARA DUCKWORTH  
CALGARY BUREAU

DELAWARE COUNTY, Ohio — Waste is a dirty word to Ohio farmer Tom Price.

Owner of the family-operated Price Farms Organics near Columbus, he has become a receiver of every kind of food byproduct, manure and yard trimming. Those products are turned into compost and sold back to community retailers, wholesalers, gardeners and landscapers.

"We don't call anything waste. Waste is a bad word to me, the neighbours and everybody else," he told a tour from the National Institute of Animal Agriculture.

"I take food and fibre from the surrounding communities and make a new product."

The 22 acre site has five acres of concrete where piles of new material and ripening mounds of compost are found.

This is a class two compost site, which is highly regulated by the federal Environmental Protection Agency and county rule makers.

"We work pretty hard on building a bank account of goodwill with the neighbours," he said.

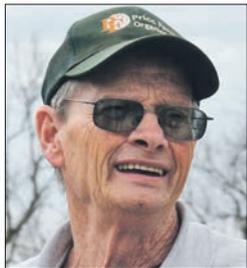
Operating for about 20 years, the family employs local people and gets involved in the community to build good relationships.

"Neighbours can put you out of business faster than the health authorities," he said.

"We are not lily white. This place smells occasionally."

He travelled to the United Kingdom to see how agri-byproducts can be composted because no one in the United States was doing this type of recycling at the time.

Working with the EPA, the farm



TOM PRICE  
PRICE FARMS ORGANICS

became a closed loop operation.

The sixth generation farming family also raises feeder pigs and develops Holstein heifers over the summer on 285 acres. Their manure gets recycled back into the composting system.

The company accepts about 1,000 pounds of paper per day. It goes into the hog barns, where young pigs tear it to pieces.

"You put a ton of phone books in there and in two or three days there are not two pages together."

The compost is allowed to work for up to two years to give it a rich black colour. Potential pathogens are killed within three months but under the farm's marketing plan, slower composting wins the race.

The finished product is sold under brand names like Barnyard Café and Zoo Brew. The latter is made from manure collected from the Columbus city zoo.

Farmer's Choice is about 90 percent compost and 10 percent limestone fines from a local quarry that wants to get rid of the small slivers of rock. Turf Blend is two-thirds soil and one-third compost.

Any kind of food waste is accepted from local grocers.

Accepting unwanted produce from grocery stores comes with the problem of sticky labels on every



Tom Price, owner of an agri byproduct composting company near Columbus, Ohio, collects yard trimmings and manure from the farm's pigs and cattle for composting.

LEFT: Compost made from manure collected by the Columbus city zoo is sold as Zoo Brew. It is a popular product with gardeners and landscapers. | BARBARA DUCKWORTH PHOTOS

piece of fruit or vegetable. He has tried to convince companies to consider a biodegradable label.

Coffee grounds come from a nearby Nestle's plant, while Mars, which produces candy and pet food, sends its byproducts in solid and liquid form.

Anheuser Busch also sends unwanted byproducts to this site.

Coffee grounds come in large

burlap bags with nylon stitching. He convinced Nestles to consider cotton because it can be recycled more easily. His next project is to find a use for the burlap bags.

Ohio State University is a major client. During football season an average game brings in about 100,000 fans who tend to leave their garbage behind.

After game day, a crew from the

farm collects up to 4,000 pounds of half-eaten hot dogs, sandwiches and popcorn, as well as left-over food from the stadium's kitchens and box suites. Under the policy of zero waste, the stadium diverts about 95 percent of its garbage from landfills.

The farm hires local correctional institute inmates to sort through the material because it contains as much as 10 percent plastic.

The material is then screened and the final composted product is sold as Stadium Scarlet.

Plastics are harder to recycle so the Price family is investigating a project in which the products are burned to generate heat.

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## AGRICULTURAL EXPORTS

# Former U.S. NAFTA negotiator worries about ag trade future

BY BARBARA DUCKWORTH  
CALGARY BUREAU

COLUMBUS, Ohio — An uncertain trade environment could have considerable ramifications for agriculture in the United States.

U.S. President Donald Trump has announced plans to renegotiate the North American Free Trade Agreement and the U.S. has already abandoned the Trans-Pacific Partnership.

NAFTA has been very positive for U.S. agriculture. Movement of agricultural goods between the U.S., Canada and Mexico went from \$10.4 billion in 1993 to nearly \$46 billion in 2016 to Mexico and Canada, said Darci Vetter, chief agriculture negotiator for the office of the U.S. trade representative from 2014-17.

"Our infrastructure is built to

**Livestock more than any other industry relies on a variety of export markets to sell the varied products we produce.**

DARCI VETTER  
FORMER U.S. AG NEGOTIATOR

deliver products into that integrated North American marketplace," she said at the annual meeting of the National Institute of Animal Agriculture held in Columbus April 4-7.

"Livestock more than any other industry relies on a variety of export markets to sell the varied products we produce," Vetter said.

"Trade is the way we add value to every part of the animal we pro-

duce and we can send it to the place that wants it most," she said.

Potential changes to NAFTA could mean tariff barriers, loss of goodwill and break down of infrastructure, she said.

The U.S. has 14 free trade agreements with 20 countries.

After pulling out of the Trans-Pacific Partnership deal, which involves 12 countries, Trump's administration is considering seeking bilateral trade agreements instead.

"It is frankly unclear at this point how this administration plans to use those tools and what the international trade agenda would look like. The next several months are critical," she said.

The TPP would have given the U.S. prime access to consumers in Asia.

The TPP offered wider liberaliza-

tion, high standards of rule making and a commitment to risk analysis that would knock down some non-tariff barriers like sanitary and phytosanitary rules. Some of these rules to protect animal and plant health are reasonable but other times they are put in place to stall trade, said Vetter.

Agriculture is commonly protected in many existing agreements but under the TPP, countries like Canada were willing to provide more access in poultry, eggs and dairy.

Japan's six sacred products — beef, pork, wheat, rice, dairy and sugar — were also about to be liberalized.

The current U.S. administration has noted the Asia Pacific market is important but it does not believe the regional TPP model was the best way to go. Separate deals with

each country is preferred, but it is not clear which countries will be approached first, said Vetter.

Under a Trump presidency, the agriculture sector may have to speak up for itself to ensure it remains competitive.

"Remind your customers that you view them as long-term partners,"

She suggested approaching agriculture and trade officials in their countries to strengthen partnerships.

Agriculture representatives also need to talk directly to the U.S. government to make their interests known.

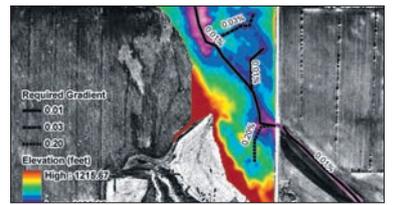
"If there is a consistent voice for the importance of trade for you as agriculture, no matter who is at that table, that will come to benefit you," she said.

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# PRODUCTION

## PRECISION IN AGRICULTURE TAKES EDUCATION

The future of farming will need administrators and technology experts, sometimes in the same farmer. | **Page 59**



PRODUCTION EDITOR: MICHAEL RAINE | Ph: 306-665-3592 F: 306-934-2401 | E-MAIL: MICHAEL.RAINE@PRODUCER.COM

SEEDING PREDICTIONS

# Winter cereal acre increase possible

Producers may not be able to harvest crops left in fields last fall before the spring seeding window closes

BY BRIAN CROSS  
SASKATOON NEWSROOM

Wet fields in parts of Western Canada combined with unharvested acres from last year could translate into a noticeable bump in winter cereal plantings this fall, said the executive director of Winter Cereals Canada.

"There are going to be a lot of spring crops that aren't going to get seeded this year," said Jake Davidson.

"That's unfortunate but it does offer a tremendous opportunity for more winter cereals — wheat, rye or triticale — to go in this fall at a good date."

"Last time we had a situation where there was a lot of unseeded acres in the spring, our plantings (of winter cereals) did spike up a bit..."

Across Western Canada, nearly 2.5 million acres were left unharvested last fall.

That included about 1.3 million acres in Saskatchewan and 100,000 acres in Manitoba.

Those two provinces typically account for the vast majority of Western Canada's winter cereal plantings.

Western growers have been picking away at last autumn's unharvested acres over the past few weeks but progress has been slow.

Significant spring harvest delays will place added pressure on producers to deal with unharvested acres quickly before the spring seeding window passes.

"There's a lot of stuff that has to come off the fields before anyone plants anything," Davidson said.

"And in some cases, it's going to be a long time before farmers are even going to be able to get onto those fields (with a combine)."

According to recent media reports, as much as 900,000 tonnes of canola has yet to be harvested this spring.

Winter cereals typically follow canola or pulses in western Canadian crop rotations.



Hybrid rye will likely see opportunities in now soggy, unharvested fields this fall. | MICHAEL RAINE PHOTO

**There's a lot of stuff that has to come off the fields before anyone plants anything.**

JAKE DAVIDSON  
WINTER CEREALS CANADA

In addition to offering growers a bit more breathing room during the busy spring season, winter cereals usually flower earlier than spring-seeded cereal crops.

This could offer growers relief from fusarium head blight, which was significant across the Prairies last year.

"It does flower earlier (than

spring wheat) so it does offer a bit of an advantage," Davidson said.

"Especially since we have a (winter wheat) variety, Emerson, that is rated as fusarium resistant."

Emerson acreage has been increasing steadily in areas that normally plant winter cereals.

It is one of the most widely grown varieties in Manitoba and has emerged as the most popular replacement for Falcon, which is no longer recognized as a select milling variety.

In addition to Emerson, other fusarium-resistant winter wheat varieties have been registered and others are being developed.

Davidson said interest in fall rye has also increased since hybrid rye

varieties, which offer substantially higher yields over non-hybrid cultivars, have become available.

Early-maturing canola varieties, including Brassica rapa cultivars, could also offer relief to growers who are struggling to balance harvest and seeding operations this spring.

Davidson said winter cereal crops in Saskatchewan came through the winter in relatively good shape.

But crops in Manitoba did not fare quite as well.

In southeastern Manitoba, winter wheat crops took a bit of a beating, he said.

Mild winter temperatures caused snow to melt and water pooled in low spots. When the freezing tem-

peratures returned, low spots and saturated soils caused significant damage.

"It's not what we would normally call winterkill because winterkill is normally caused by cold soils, blowing winds and a lack of snow cover.

"This was more a function of saturated soils and low spots that were totally frozen out."

In general, the condition of winter cereals is the worst near Winnipeg area with conditions gradually improving as you move west into Saskatchewan.

"It's a real dog's breakfast, depending on where you are located, the nature of your land and your drainage," Davidson said.

"In some areas, they look pretty good, but in others, it's a different story. North of Winnipeg, growers are ... considering some of their first plow-downs in 20 years."

In Saskatchewan, winter cereals came through the winter relatively well, said grower Dale Hicks from Outlook.

"In south-central Saskatchewan and southwest Saskatchewan, we came through very good," said Hicks, chair of the Saskatchewan Winter Cereals Development Commission.

Hicks said he anticipates a slight increase in the province's winter cereals plantings this year and an even bigger increase in 2018.

He said steady increases in canola acreage along with frustration with disease issues in durum will have producers looking for a new cropping alternative.

Winter cereal plantings peaked in Western Canada about six years ago when total plantings in Manitoba and Saskatchewan surpassed 600,000 acres.

In 2016, Manitoba growers planted about 140,000 acres of winter cereals.

Saskatchewan's 2016 plantings were about 260,000 acres, Davidson said.

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BREEDING RESEARCH

# Canola gene turns off the green, reduces shatter

Scientists hope to find ways to use the ABI3 gene to remove chlorophyll, thus de-greening the seed after frost

BY ROBIN BOOKER  
SASKATOON NEWSROOM

LACOMBE, Alta. — Researchers at the University of Calgary have developed a canola trait they say can reduce green seeds in canola hit by an early frost and improve

shatter resistance.

Marcus Samuel, associate professor at the University of Calgary, said canola hit by frost 22 to 30 days after flowering is the most susceptible time for green seed damage.

He said green seed dockage costs

Canadian growers more than \$150 million each year.

The research team Samuel heads at the University of Calgary is studying the ABI3 gene's role in the canola seed degreening process. It was found to help in activation of other genes that remove chloro-

phyll from the seeds.

"It could provide dual protection against green seed and pod shatter. The long-term goal is to integrate this technology into a germplasm, said Samuel during Murray Hartman's ScienceOrama in Lacombe., Alta.

He said the research has used genetic modified plants in developing the technology, but researchers are working on ways to improve ABI3 expression with a non-GMO approach.

CONTINUED ON NEXT PAGE >>

## CANOLA GENE

» CONTINUED FROM PREVIOUS PAGE

The research team first discovered that ABI3 is important in the degreening process through its research with *Arabidopsis thaliana*, a relative of canola commonly used in developing new canola traits.

"If we can understand how the degreening works in the model organism, it's easy to take that methodology and shift it over," Samuel said.

Researchers proved ABI3 plays a major role in reducing green colour by removing the gene from *Arabidopsis* and observing the degreening process in the plant's seeds.

"With the ABI3 mutant at maturity, the green colour is fixed; the seeds looked green. While in the controls, the green colour com-



**MARCUS SAMUEL**  
UNIVERSITY OF CALGARY PROFESSOR

pletely disappears and it's a normal-looking seed at maturity."

Researchers found that the ABI3 gene controls two genes responsible for degreening.

Then the research team overexpressed the ABI3 gene in an *Arabidopsis* plant, exposed it to frost and examined its ability to degreen its seeds.

"In the untransformed controls you clearly see the green colour was fixed after two or three days of



Researchers examining the effects of an overexpressed ABI3 gene on green seeds after frost also found the gene reduces pod shatter. | FILE PHOTO

frost. But when you overexpress this gene, like when you put in more of this gene, you clearly see the green colour was completely gone. It was able to tolerate the frost and continue to decolorize and move the chlorophyll even after frost exposure," Samuel said.

Researchers then put the gene into canola and produced multiple transgenic plants in which the ABI3 gene was shown to be active and overexpressed.

We "checked plants frozen at -3 C for six hours and they were more tolerant than the check," Samuel said.

"So now (researchers) wanted to test the seeds to see if they were able to degreen after a frost expo-

sure. It did this beautifully and gave a solution to the degreen problem. It was able to completely eliminate the green colour."

**More the merrier**

Transgenic canola lines with an overexpressed ABI3 gene had the same yield, but their pod mass increased compared to the check.

"We also think ABI3 can induce factors that can make the pods stronger, the replum thicker, and pods are more tolerant to frost and desiccation. That's why the seeds are able to degreen with no problem under frost conditions," Samuel said.

The research team performed a

shaker test to assess pod shatter, which was lower with the transgenic lines compared to the check.

There is a cell line that holds pods together. It is lignified and acts as a strong polymer. When pods dry out, a tension pulls on this layer and when it breaks, pod shatter occurs.

"What we see on our cases is that there is an extra lignified layer throughout the pods in the ABI3 overexpression lines and that tension from drying is never transferred to the lignified layer."

He said the pods are shatter tolerant not resistant, and he foresees no problems with combining.

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**2017 Honours & Awards Recipients****Outstanding Young Agrologist Award**  
**Bennie Dunhin, MSc, PAg****Nominator: Duane Horvey, PAg**

Bennie has assisted in establishing consistent results from the agronomy research trials operated by Grow Community of Independents and United Suppliers. He has helped generate local objective information to make better informed decisions. He has helped local growers understand which products and practices have the best fit for their situation. Since establishing the trial standards for Grow Community of Independents and United Suppliers they have submitted 908 trials, and Cavalier Agrow, where Bennie is the agronomy manager, has completed 514 trials since 2012.

Bennie is the agronomy manager, has completed 514 trials since 2012.

Bennie has successfully implemented a Precision Agronomy Platform for Cavalier Agrow. He is pushing the boundaries of precision agriculture, by taking the large amount of data from site specific soil tests and correlating it with yields. Bennie's great knowledge of soils and nutrition has helped to make sense of the biggest problems, and give growers a great return on their investment with precision agriculture.

Bennie has a Masters in Plant Pathology from the University of the Free State in South Africa and immigrated to Canada in 2009 with his family.

**Recognition Award**  
**George Lewko, PAg****Nominator: SIA Provincial Council**

George has been active on branch, council and various committees for 20 years, providing service and leadership to the profession. He started with the NE branch executive and in 1999 became the branch rep on Provincial Council. He served as President from 2005-2006 and developed strong relationships with other Institutes of Agrology across Canada resulting in a new national organization, Agrology Agronomes Canada.

One of his legacies is the development and delivery of the professionalism & ethics seminars and courses over the years. He started as a coordinator with the Articling Agrologist Seminars and his growing expertise in professionalism & ethics resulted in invitations to present for the Manitoba Institute of Agrologists. George played a key role in the creation of the online course and final exam of the current professional & ethics program.

George has served on the Discipline Committee and contributed to the newest scope of practice, which is forensic agrology. George has practiced forensic agrology for ten years and is one of the pioneers in establishing standards of practice taught during the "Orientation to Forensic Agrology."

George has a BSA from the U of S in 1992 majoring in crop science and minor in horticulture. He worked with Inputs Management Agro (IMAg) until 2013, and is now a Forensic Agrologist.

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UNIVERSITY VERSUS COLLEGE

# Technicians play major role in precision agriculture

## PRECISION HAPPENS



TERRY A. BRASE

Last month, I noted that operators of agricultural enterprises needed to concentrate on making decisions and avoid getting bogged down with a mountain load of data and the necessary analysis.

That is normal procedure in the business world. The chief executive officer and corporate management receive reports and data filtered through various levels of management to provide a distilled version, which provides clear choices on which to base a decision.

But if a grower is to rely on somebody else to do this analysis and interpretation of data, where are these people?

The question could apply to all types of precision technology. Who is the manager to rely on to troubleshoot a control device that is not

working? Is the owner going to download imagery from a drone to process it?

As an instructor at West Hills College in California developing a precision agriculture curriculum, I see these as a perfect example of the relationship between decision makers and technicians, and the difference between a four-year and a two-year degree.

I am a proponent of technical or community colleges and two-year technical degrees.

I have bachelor and masters degrees in science, so I know the value of advanced degrees. But sometimes people tell me that a four-year degree is a requirement for everybody. I've talked to parents who are disappointed that their child wants to go to get only a technical education.

I have also seen enough TV shows that belittle community colleges so I feel the need to defend the value of a two-year degree.

Not everyone needs a four-year degree and I believe that a two-year degree gives a person a practical entry into agriculture and technology. In comparing managerial and technician jobs, they must work together, but differ in their tasks and their knowledge and skills.

Concerning the decision-making process, the manager must know what questions to ask. The technician needs to know the data and the analytical processes to answer the question. The technician needs to know enough about management and agronomy to understand the question. The manager needs to know enough about the technology to trust it.

I believe that this difference is reflected between four-year and two-year degrees. To me, it seems many four-year programs teach about the technology, while technical colleges teach the use and operation of the technology.

This is related to how these individuals will use the technology in the workforce.

## Ag students taking a two-year technical degree are the boots on the ground for precision farming

I'm not going to address the specific course work at universities, but after teaching 30-plus years at community colleges, I can speak well on the skills gained by technical school graduates.

I have spent almost my entire teaching career at the community college level, maybe because no

university would hire me, but more because I enjoy teaching these students who will become the boots on the ground for precision farming.

I've always thought that these students really drove the advancement of precision farming, providing the technology services that growers needed.

That means repairing wiring harnesses that broke under continual use; using a field GPS data logger to collect soil or tissue samples; or interpolating, reclassifying, and calculating raster data to answer questions from the grower.

University graduates may work these jobs also, but they are more likely in management and professional positions.

able for troubleshooting and fixing the problem.

That's when the technician with a two-year degree with course work that concentrated on telemetry, setting up the RTK base station, and construction of wiring and connectors will check and repair the problem.

When software, sensors, and various data loggers are creating layer upon layer of data, it will be the technician that has specific skills in data management, programming, and analysis that will provide the owners and managers with the interpretative maps that distill the data into useful information.

As colleges such as West Hills College develop and expand the precision agriculture curriculum, technicians with these skills will assist owners, allowing the managers to manage and the growers to grow.

When people see the continuum of educational opportunities from two-year to four-year and beyond, and they can see the value of technicians working with professionals, precision can happen.

Terry A. Brase is an agriculture consultant, precision agriculture educator and author. BrASE LLC. Contact him at precision.happens@producer.com

FERTILIZER

# Western farmers get liquid fertilizer options

BY MICHAEL RAINE  
SASKATOON NEWSROOM

Agroliquid is now bringing its fertilizer products to the western Canadian marketplace.

Reid Abbott, who handles agronomy for the American company, said it offers competitive products with custom blends from nitrogen, phosphorus, potassium and sulfur to those with added biological agents and micro-nutrients.

"If you need it, we likely have it and will blend it," he said about the family-owned company that began serving the fruit and vegetable farms of Michigan in the early 1980s.

The company has its own stabilizer, which it says provides a controlled release for reduced losses

from leaching or volatility and broader season release. Based on a flavonol polymer, it is a byproduct of the wood processing industry.

"Our products are designed to work together to get soils where farmers chose them to be for their crop. Every farm is different and in most cases every field," said Abbott.

"Each one has a cropping history and depending on the size of the operation, even several soil types, so customizing and providing advice is part of what we sell to them."

Keln Huber of Kel Tech Ag in Grand Coulee, Sask., felt the products would have a fit in the Prairies.

"They have operations in North Dakota and Montana, working with producers there. Dry products are popular in both places, but

there are more and more producers choosing liquid," he said.

"The company seems to be very motivated to do research and pays a lot of attention to soil health, so it seemed like a fit for us as well."

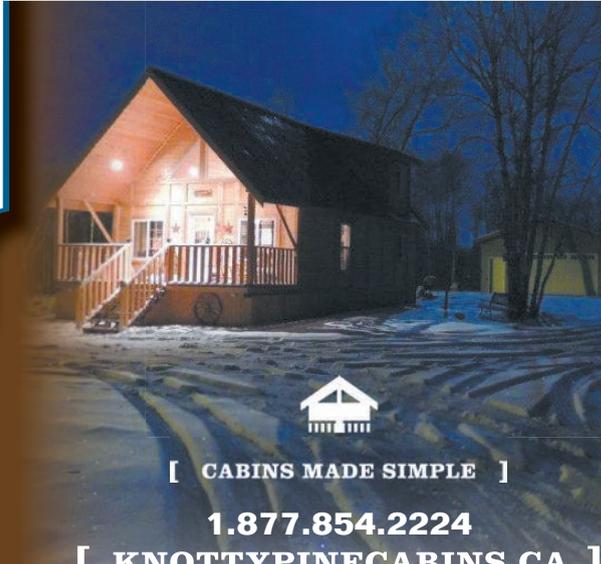
For example, its 30-0-0-1, 15 to 40 day release product delivers an equivalent nutrient value of about four pounds of nitrogen and a half of sulfur, along with a biological product for \$3.63 per U.S. gallon. A delayed release nitrogen 27-0-01 that delivers in about a one-third every 30 days, with similar equivalents, sells for \$3.38.

Abbott said pricing is comparable with competitors "but we like to compete on the quality and flexibility side."

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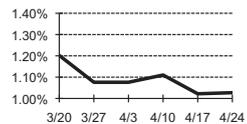
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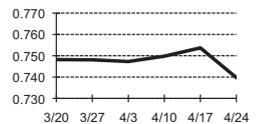
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CANOLA OUTLOOK

# Staying king may be challenging

Expansion has been impressive but canola now needs to find new markets, says official

BY ROBERT ARNASON

BRANDON BUREAU

Canola plantings are expected to top 22 million acres in Western Canada this year, which would be a record high and cement canola's status as the "king" crop of the Prairies.

Canola's expansion has been an incredible story over the last two decades. Acres have nearly doubled since the late 1990s, and consistent financial returns from the oilseed have saved hundreds of farms.

But with acreage nearly maxed out, agricultural industry leaders are wondering where the story goes from here.

The Canola Council of Canada addressed this question at its annual meeting in March during a panel discussion with executives from Cargill Canada, Viterra and Bunge.

Tyler Bjornson, Canada Grains Council president and facilitator of the panel, asked the executives if canola can retain its crown.

Viterra president Kyle Jeworski summed up the panelists' sentiment in one sentence: "I think canola can stay king, but I think it's going to be challenging."

JEFF VASSART  
CARGILL CANADA

Jeff Vassart, president of Cargill Canada, Tim Gallagher, executive vice-president of Bunge North America and Jeworski all said the acreage expansion phase is basically over and the industry must now focus on new opportunities for growth.

They made their comments more than a month before an April 21 Statistics Canada seeding intention report, which predicted two million more acres canola compared to 2016.

The executives said higher yields will drive industry growth in the future, but other prospects shouldn't be ignored.

"Consumer interest and consumer demands are things I think we need to listen closer to," said Vassart, who grew up in Pilot Mound, Man.

"I think we also need to be cognizant and listen to demands from consumers around... sustainable production."



Canola dominates the prairie crop mix, but future growth could depend on developing specialty oils. Expanding soy acres presents competition. | FILE PHOTO

Canola oil is one example of changing consumer demand. A segment of buyers want vegetable oils with specific health and wellness traits.

"Oil demand, I think it's going to evolve," Vassart said.

"The next generation oils, for example, I think present opportunity. Whether that be low lin (linoleic), omega 3... we see opportunities in those spaces."

Vassart also expects more demand for expeller-pressed canola oil.

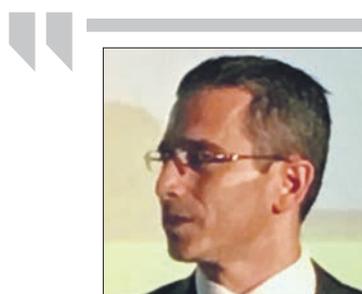
"I like to equate it to the brewing industry and the craft brewing industry," he said.

"It's quite small, but (a) growing segment."

Producing specialty canola oil could push sales higher, but the protein content of canola could curb demand.

Robust global demand for vegetable based protein is expected to continue, and soybeans are better suited to meet that demand.

"Soy is a protein oriented crop. It's 80 percent protein and 20 percent oil. And canola is 60-40. So there is an economic benefit to soy in a protein oriented market," Gallagher



**I think canola can stay king, but I think it's going to be challenging.**

KYLE JEWORSKI  
VITERRA

er said. "That's something to watch out."

Manitoba farmers seeded more than 1.6 million acres of soybeans in 2016, and acres could hit 2.2 million this spring, based on the Statistics Canada survey.

If soybeans continue to move westward and become more than a novelty in Saskatchewan, the expansion could cut into canola acres.

Jeworski said soybeans are mov-

ing into southern and central Saskatchewan, but a "battle" for acres could encourage more innovation in the canola sector.

"I don't think competitive pressure is a bad thing."

Jeworski is more concerned about the cost of canola processing on the Prairies.

Canadian wages are much higher than in Mexico or China, which could limit future investment in canola crushing.

"When you look at some of the (other) geographies... that's very challenging for Canada."

There may be obstacles and hurdles, but Gallagher has faith in canola. He said the Canola Council of Canada is a unique organization and a powerful force to propel the industry forward because few organizations have farmers, canola processors, grain handlers and biotech company representatives around the same board table.

"There aren't many industries that take that approach," he said.

"So with (that) behind you and favourable market conditions, I think things look pretty bright."

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## AG STOCKS APRIL 17-21

U.S. President Donald Trump said he would have a major tax reform announcement this week. Oil fell below \$50 on rising U.S. supply. The Toronto Stock Exchange's composite index gained 0.5 percent on the week, the Dow rose 0.5 percent, the S&P gained 0.8 percent and the Nasdaq was up 1.8 percent.

Cdn. exchanges in \$Cdn. U.S. exchanges in \$U.S.

## GRAIN TRADERS

NAME	EXCH	CLOSE	LAST WK
ADM	NY	44.81	44.28
AGT Food	TSX	29.60	28.92
Bunge Ltd.	NY	77.46	76.51

## PRAIRIE PORTFOLIO

NAME	EXCH	CLOSE	LAST WK
Ceapro Inc.	TSXV	1.38	1.37
Cervus Equip.	TSX	12.41	12.50
Input Capital	TSXV	1.97	1.98
Rocky Mtn D'ship	TSX	9.86	9.96

## FOOD PROCESSORS

NAME	EXCH	CLOSE	LAST WK
ConAgra Brands	NY	40.66	40.32
Hormel Foods	NY	34.69	34.04
Lamb Weston	NY	42.26	41.87
Maple Leaf	TSX	32.18	31.95
Premium Brands	TSX	86.66	84.84
Tyson Foods	NY	65.14	63.47

## FARM EQUIPMENT MFG.

NAME	EXCH	CLOSE	LAST WK
AGI	TSX	49.93	52.00
AGCO Corp.	NY	59.49	58.03
Buhler Ind.	TSX	4.63	4.60
Caterpillar Inc.	NY	94.32	93.10
CNH Industrial	NY	10.00	9.82
Deere and Co.	NY	107.54	108.00

## FARM INPUT SUPPLIERS

NAME	EXCH	CLOSE	LAST WK
Agrium	TSX	122.20	123.18
BASF	OTC	95.25	96.26
Bayer Ag	OTC	113.10	113.01
Dow Chemical	NY	62.16	61.06
Dupont	NY	78.65	77.44
BioSyent Inc.	TSXV	7.79	7.61
Monsanto	NY	115.50	115.77
Mosaic	NY	26.67	27.46
PotashCorp	TSX	21.83	22.06
Syngenta	ADR	90.57	92.13

## TRANSPORTATION

NAME	EXCH	CLOSE	LAST WK
CN Rail	TSX	100.95	97.25
CPR	TSX	206.88	199.95

List courtesy of Ian Morrison, financial adviser with the Calgary office of Raymond James Ltd., member of the Canadian Investor Protection Fund. The listed equity prices included were obtained from Thomson Reuters. The data listed in this list has been obtained from sources believed to be reliable, but accuracy cannot be guaranteed. Within the last 12 months, Raymond James Ltd. has undertaken an underwriting liability or has provided advice for a fee with respect to the securities of AGT Food. For more information, Morrison can be reached at 403-221-0396 or 1-877-264-0333.

## Morris gets innovation cash

SASKATOON NEWSROOM

Morris Industries is getting almost \$3.5 million from the federal Western Innovation Initiative to help develop and market new technology that will enable the company to increase production capacity and offer new features in its products.

The Saskatchewan Trade and Export Partnership will get \$700,000 through the federal Western Diversification Program to rent show floor space at Agritechnica 2017, a major agricultural trade event in Hanover, Germany.

## ASSETS AND LIABILITIES

# Ratios can help determine where you stand financially

## MONEY IN YOUR POCKET



### GRANT DIAMOND

**I**ntense competition has made the process of financial and strategic planning on the farm much more complicated.

There are basic indicators that might help you better understand how well you are performing compared to local and national levels.

Statistics Canada's most recent farm financial data shows that in 2015 record net farm income and strong asset appreciation continued to support improved agriculture performance on a national scale.

Farm Credit Canada has listed indicators that can help you see where you are positioned in your industry and make strategic adjustments to improve your position or take advantage of your strengths.

### LIQUIDITY

Liquidity shows where your business operation is at on a daily basis and how to manage your cash flow to meet your obligations. The "current ratio" is a relatively simple tool that measures current assets to current liabilities.

### GLOBAL TRADE

## Trump gov't warns officials on trade tariffs

WASHINGTON, D.C. (Reuters) — U.S. President Donald Trump's administration had a simple but stark message for world financial officials: fair trade means tit-for-tat tariffs.

Speaking to bankers in Washington for the International Monetary Fund and World Bank spring meetings, White House National Economic Council Director Gary Cohn said Washington would get tougher in the trade arena.

"If you want to insist on having a tariff on a product — which we prefer you not — the president believes that we should treat you in a reciprocal fashion and that we should tax your product coming into the United States," Cohn said.

"That is free, that is open and that is fair."

Asked at the Institute of International Finance about his message, Cohn said the United States doesn't want to be "taken advantage of" any more.

Earlier at the White House, Trump signed a directive to study whether steel imports into the U.S. should be restricted for national security reasons under a law passed in 1962.

Such moves, including a review of "Buy American" rules, have raised concerns that the administration is looking outside the World Trade Organization for ways to restrict U.S. imports.

As an aggregate, Canadian farmers had a current ratio of 2.38 in 2015, which means short-term obligations are easily serviceable. It was higher in 2014 at 2.63 but was consistent with the historical average. What is your current ratio?

### FINANCIAL LEVERAGE

The ability to meet long-term financial obligations is essential to your financial health. The debt-to-asset ratio is the main tool that will help you read your financial solvency. This indicates if your farm has sufficient assets to cover all liabilities.

This ratio asks if you could cover all your existing debt obligations if you were to liquidate all your assets

today. A low debt-to-asset ratio is good.

In 2015, the total national farm debt increased faster than total assets. As a result, the debt-to-asset ratio showed a modest increase for the first time in six years. Even with the slight increase, the debt-to-asset ratio in 2015 remained low at 15.5 percent compared to the previous five-year average of 15.9 percent and the 15-year average of 16.7 percent. What is your debt-to-asset ratio?

### PROFITABILITY

Profitability shows how much money you generated after accounting for expenses. Here, the return-on-assets ratio, which is net

income divided by total assets, provides a useful measuring stick.

It tells you how profitable your farm is relative to the total value of the assets you use to run the business.

The ratio tells how successful you are in deploying those assets to generate income. A higher return on assets indicates a stronger ability to generate income.

The return-on-assets ratio for Canada in 2015 rose to 2.3 percent from two percent in 2014, resulting largely from record net income levels. Although this fell well short of the recent peak of 3.9 percent in 2013, it came close to the 15-year average of 2.6 percent.

Keeping these indicators up to date may help you modify your tax

position before your year-end.

For instance, if you have a low debt-to-equity ratio, you may be able to accelerate certain capital investment decisions.

Similarly, strong liquidity and profitability ratios may allow you to advance allowable operating expenses.

Both moves could defer taxes and allow you to keep control of funds that would otherwise have to be surrendered to government.

Farm Credit Canada has a breakdown of these ratios on a provincial basis at [bit.ly/2pyd8OH](http://bit.ly/2pyd8OH).

Grant Diamond is a tax analyst in Saskatoon, SK., with FBC, a company that specializes in farm tax. Contact: [fbc@fbc.ca](mailto:fbc@fbc.ca) or 800-265-1002.

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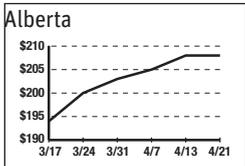


Banking can be this comfortable.

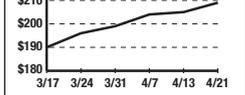


# CATTLE & SHEEP

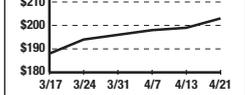
## Steers 600-700 lb. (average \$/cwt)



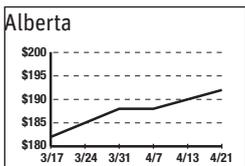
## Saskatchewan



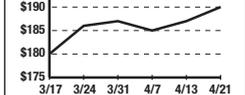
## Manitoba



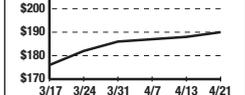
## Heifers 500-600 lb. (average \$/cwt)



## Saskatchewan



## Manitoba



## Canadian Beef Production

million lb.	YTD	% change
Fed	521.0	+1
Non-fed	110.1	+8
Total beef	631.1	+2

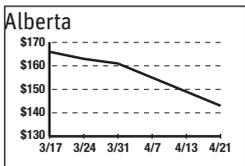
Canfax

**EXCHANGE RATE**  
**APRIL 24**  
 \$1 Cdn. = \$0.7397 U.S.  
 \$1 U.S. = \$1.3519 Cdn.

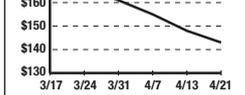
# HOGS

Due to wide reporting and collection methods, it is misleading to compare hog prices between provinces.

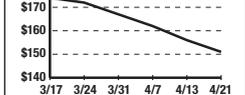
## Index 100 Hog Price Trends (\$/cwg)



## Saskatchewan Sig. 5



## Manitoba



# ELEVATOR SHIPMENTS

## Slaughter Cattle (\$/cwt)

Grade A	Live		Previous	Year ago	Rail		Previous
	Apr 14 - Apr 20	Apr 7 - Apr 13			Apr 14 - Apr 20	Apr 7 - Apr 13	
<b>Steers</b>							
Alta.	n/a	n/a	163.38	286.50-296.50	286.50-287.00		
Ont.	153.01-164.49	146.19-158.16	149.03	268.00-271.00	266.00-271.00		
<b>Heifers</b>							
Alta.	n/a	n/a	163.63	286.50-293.50	n/a		
Ont.	142.93-163.12	140.34-160.16	150.58	267.00-270.00	265.00-270.00		

\*Live f.o.b. feedlot, rail f.o.b. plant. Canfax

## Feeder Cattle (\$/cwt)

	Sask.				Man.	Alta.	B.C.
	Apr 15/17	Apr 16/16	YTD 17	YTD 16			
<b>Steers</b>							
900-1000	159-168	150-176	161-170	no sales			
800-900	168-180	165-188	172-184	no sales			
700-800	182-202	178-201	183-204	no sales			
600-700	199-219	190-217	200-220	no sales			
500-600	211-234	207-236	213-236	no sales			
400-500	219-243	214-250	226-247	no sales			
<b>Heifers</b>							
800-900	157-166	no sales	156-166	no sales			
700-800	162-179	155-184	164-179	no sales			
600-700	176-192	170-190	175-193	no sales			
500-600	180-199	175-203	181-203	no sales			
400-500	187-211	180-215	192-214	no sales			
300-400	193-216	no sales	195-219	no sales			

Canfax

## Average Carcass Weight

	Average Carcass Weight			
	Apr 15/17	Apr 16/16	YTD 17	YTD 16
Canfax				
Steers	905	952	913	940
Heifers	831	894	830	859
Cows	732	782	739	783
Bulls	1,096	1,051	1,054	1,037

## U.S. Cash cattle (\$/cwt)

	Steers		Heifers
	National	Yr. ago	
National	131.25	130.93	130.93
Kansas	130.31	129.83	129.83
Nebraska	n/a	n/a	n/a
Nebraska (dressed)	206.56	212.00	212.00

	Steers		Trend
	South Dakota	Yr. ago	
South Dakota	128.50-146.80	+3/+6	
Billings	133.25-137.50	n/a	
Dodge City	127.50-135.00	firm/+5	

USDA

## Cattle / Beef Trade

	Exports		% from 2016
	Sltr. cattle to U.S. (head)	Yr. ago	
Sltr. cattle to U.S. (head)	141,482 (1)	-14.1	
Feeder C&C to U.S. (head)	48,516 (1)	-33.4	
Total beef to U.S. (tonnes)	35,087 (3)	-11.6	
Total beef, all nations (tonnes)	49,562 (3)	-4.9	

	Imports		% from 2016
	Sltr. cattle from U.S. (head)	Yr. ago	
Sltr. cattle from U.S. (head)	n/a (2)	n/a	
Feeder C&C from U.S. (head)	9,851 (2)	+153.2	
Total beef from U.S. (tonnes)	36,528 (4)	+12.2	
Total beef, all nations (tonnes)	53,196 (4)	-13.2	

(1) to Apr 8/17 (2) to Feb 28/17 (3) to Feb 28/17 (4) to Apr 15/17  
 Agriculture Canada

## Fixed contract \$/cwg

(Hams Marketing)	Maple Leaf Sig 5		Thunder Creek Pork	
	Apr 21	Apr 21	Apr 21	Apr 21
Week ending				
May 20-May 27	152.58-157.50	147.90-153.34		
Jun 03-Jun 10	153.97-155.63	153.56-155.28		
Jun 17-Jun 24	159.40-163.35	160.47-160.67		
Jul 01-Jul 08	163.06-166.76	163.93-164.18		
Jul 15-Jul 22	160.19-165.22	160.89-161.04		
Jul 29-Aug 05	160.24-163.67	163.98-164.52		
Aug 12-Aug 19	160.07-163.42	150.68-161.79		
Aug 26-Sep 02	155.08-158.68	150.80-159.70		
Sep 09-Sep 16	152.04-154.67	145.25-146.76		
Sep 23-Sep 30	149.90-150.34	145.93-147.48		

## Hogs / Pork Trade

	Export		% from 2016	Import		% from 2016
	Sltr. hogs to/fm U.S. (head)	Yr. ago		Man. Index 100	Yr. ago	
Sltr. hogs to/fm U.S. (head)	246,031 (1)	-15.0	n/a	n/a		
Total pork to/fm U.S. (tonnes)	63,133 (2)	-14.8	51,322 (3)	+8.9		
Total pork, all nations (tonnes)	201,542 (2)	-3.6	57,305 (3)	+5.0		

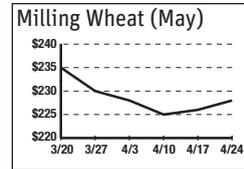
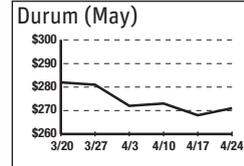
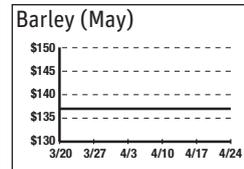
(1) to Apr 8/17 (2) to Feb 28/17 (3) to Apr 15/17  
 Agriculture Canada

## Chicago Hogs Lean (\$/cwt)

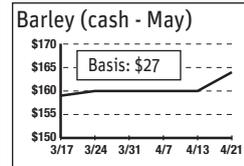
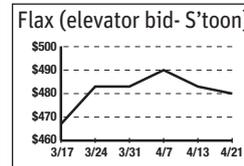
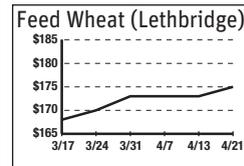
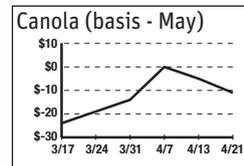
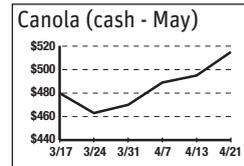
	Close		Trend	Year ago	Close		Trend	Year ago	
	Apr 21	Apr 14			Apr 21	Apr 14			
May	63.03	68.30	-5.27	75.70	Oct	63.33	65.18	-1.85	68.63
Jun	68.33	72.50	-4.17	78.83	Dec	59.48	61.45	-1.97	63.70
Jul	69.53	73.63	-4.10	79.48	Feb	63.65	64.90	-1.25	66.58
Aug	70.23	74.18	-3.95	79.23	Apr	67.38	68.30	-0.92	69.60

# GRAINS

## ICE Futures Canada

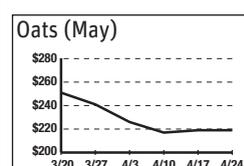
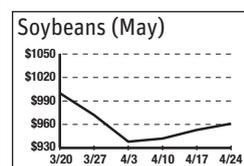
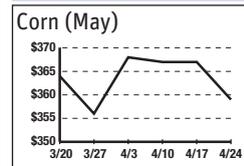


## Cash Prices

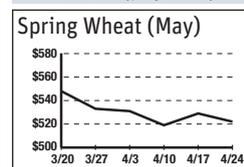


Canola and barley are basis par region. Feed wheat basis Lethbridge. Basis is best bid.

## Chicago Nearby Futures (\$/100 bu.)



## Minneapolis Nearby Futures (\$/100bu.)



## Pulse and Special Crops

Source: STAT Publishing, which solicits bids from AGT Inc., Canpulse Foods, CGF Brokerage, Maviga NA, Parrish and Heimbecker, Scoular Canada and Simpson Seeds. Prices for dressed product at plant.

	Apr 21	Apr 14	Mar 24
Laird lentils, No. 1 (c/lb)	48.57	48.86	48.29
Laird lentils, No. 2 (c/lb)	43.43	43.43	42.00
Laird lentils, Xtra 3 (c/lb)	30.17	30.17	29.80
Richlea lentils, No. 1 (c/lb)	45.20	45.20	39.60
Eston lentils, No. 1 (c/lb)	44.94	44.94	44.19
Eston lentils, No. 2 (c/lb)	40.31	40.31	40.69
Eston lentils, Xtra 3 (c/lb)	30.60	30.60	33.25
Sm. Red lentils, No. 2 (c/lb)	24.97	24.78	22.41
Sm. Red lentils, Xtra 3 (c/lb)	21.64	21.00	18.14
Peas, green No. 1 (\$/bu)	8.31	8.31	8.06
Peas, medium, yellow No. 1 (\$/bu)	8.58	8.58	8.33
Peas, sm. yellow No. 2 (\$/bu)	7.78	7.78	7.65
Feed peas (\$/bu)	6.53	6.53	5.53
Maple peas (\$/bu)	15.17	15.17	15.17
Mustard, yellow, No. 1 (c/lb)	30.25	30.25	28.30
Mustard, Oriental, No. 1 (c/lb)	34.43	34.43	33.67
Mustard, Brown, No. 1 (c/lb)	29.50	29.50	28.53
Canaryseed (c/lb)	20.04	20.04	20.32
Desi chickpeas (c/lb)	35.67	35.67	35.67
Kabuli, 8mm, No. 1 (c/lb)	59.58	59.58	31.58
Kabuli, 7mm, No. 1 (c/lb)	39.58	39.58	21.58
B-90 cpeas, No. 1 (c/lb)	46.00	46.00	25.50

## Cash Prices

	Apr 19	Apr 12	Year Ago
No. 3 Oats Saskatoon (\$/tonne)	159.27	157.81	131.04
Snlfrw NuSun Enderlin ND (c/lb)	14.95	14.85	16.60

## U.S. Grain Cash Prices (\$/bu.)

USDA	Apr 21
No. 1 DNS (14%) Montana elevator	4.79
No. 1 DNS (13%) Montana elevator	4.37
No. 1 Durum (13%) Montana elevator	5.40
No. 1 Malt barley Montana elevator	2.88
No. 2 Feed barley Montana elevator	2.28

## Grain Futures

	Apr 21	Apr 14	Trend	Year ago
<b>Wpg ICE Canola (\$/tonne)</b>				
May	530.50	508.80	+21.70	496.30
Jul	523.90	506.30	+17.60	498.70
Nov	494.80	485.90	+8.90	493.00
Jan	498.40	489.40	+9.00	497.90
<b>Wpg ICE Milling Wheat (\$/tonne)</b>				
May	228.00	226.00	+2.00	238.00
Jul	229.00	229.00	0.00	236.00
Oct	223.00	224.00	-1.00	232.00
<b>Wpg ICE Durum Wheat (\$/tonne)</b>				
May	271.00	268.00	+3.00	296.00
Jul	272.00	270.00	+2.00	290.00
<b>Wpg ICE Barley (\$/tonne)</b>				
May	137.00	137.00	0.00	172.00
Jul	138.00	138.00	0.00	174.00
<b>Chicago Wheat (\$/bu.)</b>				
May	4.0250	4.2100	-0.1850	4.7125
Jul	4.1925	4.3575	-0.1650	4.7775
Sep	4.3425	4.4950	-0.1525	4.8725
Dec	4.5800	4.7000	-0.1200	5.0425
<b>Chicago Oats (\$/bu.)</b>				
May	2.1875	2.1925	-0.0050	1.9700
Jul	2.1775	2.1850	-0.0075	2.0625
Sep	2.1525	2.1625	-0.0100	2.1400

PEEKABOO

Easter morning was too damp for an egg hunt outdoors, with 9.5 millimetres of rain recorded at the Greaves farm near Miami, Man. This squirrel still ventured out among the pussy willows. | JEANNETTE GREAVES PHOTO



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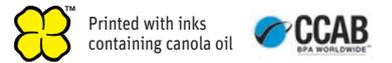
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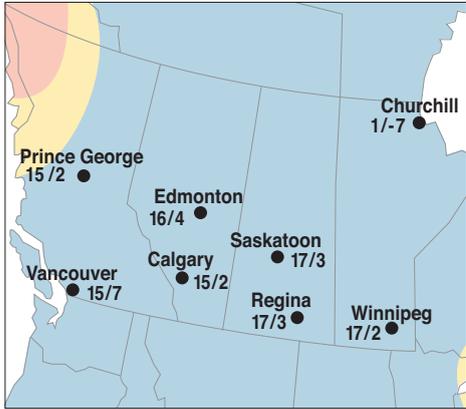
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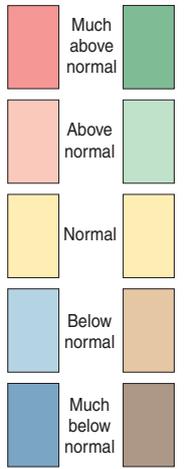
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**TEMPERATURE FORECAST**

April 27 - May 3 (in °C)

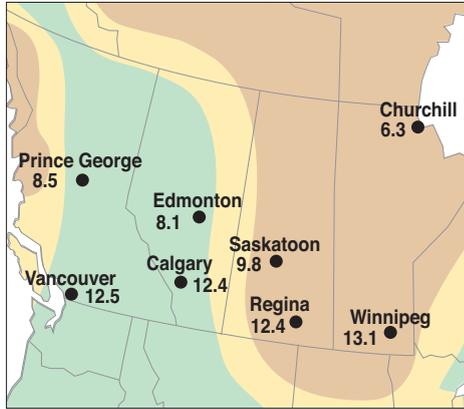


**TEMP. MAP**



**PRECIPITATION FORECAST**

April 27 - May 3 (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.weathertec.mb.ca n/a = not available; tr = trace; 1 inch = 25.4 millimetres (mm)

**LAST WEEK'S WEATHER SUMMARY ENDING APRIL 23**

**SASKATCHEWAN**

	Temperature last week		Precipitation since April 1		
	High	Low	mm	mm	%
Assiniboia	16.8	-9.7	8.0	26.2	174
Broadview	17.5	-9.9	1.7	5.3	30
Coronach	17.3	-12.3	19.4	28.0	168
Eastend Cypress	17.4	-8.5	10.1	30.5	183
Estevan	17.7	-7.7	5.0	9.4	55
Maple Creek	19.6	-7.3	2.4	23.9	164
Meadow Lake	12.9	-13.1	0.4	54.2	317
Melfort	13.7	-8.7	1.1	25.1	154
Nipawin	13.0	-6.9	0.0	24.3	143
North Battleford	17.3	-9.8	3.0	30.9	191
Prince Albert	14.6	-11.2	1.7	24.6	133
Regina	17.9	-12.3	6.6	10.5	68
Rockglen	17.2	-9.7	23.1	29.9	208
Saskatoon	17.0	-8.2	4.1	16.2	107
Swift Current	17.5	-9.6	4.3	13.9	101
Val Marie	17.8	-9.4	14.4	21.2	158
Wynyard	13.6	-10.2	10.2	18.2	129
Yorkton	17.2	-7.1	16.2	23.4	145

**ALBERTA**

	Temperature last week		Precipitation since April 1		
	High	Low	mm	mm	%
Brooks	19.7	-6.0	10.1	13.8	98
Calgary	15.7	-2.4	10.5	41.4	245
Cold Lake	7.1	-7.6	3.1	72.6	378
Coronation	16.2	-5.5	6.3	14.9	96
Edmonton	13.9	-2.9	10.8	52.2	261
Grande Prairie	8.7	-6.8	10.6	52.8	383
High Level	5.3	-10.9	4.0	4.2	34
Lethbridge	18.3	-2.9	4.3	15.6	84
Lloydminster	11.5	-8.5	3.2	43.8	261
Medicine Hat	20.6	-4.3	13.6	28.9	206
Milk River	18.3	-3.8	26.0	45.2	202
Peace River	5.7	-8.1	3.7	26.9	198
Pincher Creek	14.6	-4.2	14.1	43.0	149
Red Deer	15.2	-2.1	6.7	23.6	142
Stavely	15.3	-1.4	16.2	54.2	263
Vegreville	9.9	-3.1	2.1	53.2	301

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.weathertec.mb.ca

**MANITOBA**

	Temperature last week		Precipitation since April 1		
	High	Low	mm	mm	%
Brandon	16.1	-7.7	7.2	16.7	103
Dauphin	19.1	-10.9	8.5	10.9	65
Gimli	16.4	-6.8	2.5	51.4	343
Melita	16.6	-6.5	11.5	19.7	113
Morden	17.6	-6.8	0.4	6.9	38
Portage La Prairie	17.4	-6.1	5.6	33.8	196
Swan River	13.8	-7.3	7.9	22.6	126
Winnipeg	17.4	-4.7	7.2	30.5	178

**BRITISH COLUMBIA**

	Temperature last week		Precipitation since April 1		
	High	Low	mm	mm	%
Cranbrook	15.7	-0.1	3.3	34.9	168
Fort St. John	5.0	-8.8	20.9	72.2	488
Kamloops	18.0	5.0	3.1	18.6	181
Kelowna	15.7	-0.5	15.4	36.8	197
Prince George	15.0	-3.1	13.3	82.8	306

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