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HR management is increasingly key to successful farming, says expert » PG 3



HOW 4-H CHANGED MY LIFE

Jake Drew shares his heartwarming story about how important his beef club has been in his life » PG 40

Publications Mail Agreement # 40069240

Alberta Farmer

Your provincial farm and ranch newspaper

VOLUME 13, NUMBER 14

JULY 4, 2016

WWW.ALBERTAFARMEXPRESS.CA

EXPRESS

Moving past the Bill 6 rhetoric

AgCoalition meetings focus on creating sensible workplace safety rules

BY JENNIFER BLAIR AND
JILL BURKHARDT

AF STAFF/CONTRIBUTOR

The Alberta government's town halls on Bill 6 last winter were explosive, but recent industry-led meetings didn't produce similar fireworks.

"I thought the meeting went very well. There were lots of ideas thrown around between farmers and the facilitators," said Turin-area farmer Kevin Serfas, who attended AgCoalition's producer meeting in Lethbridge on June 22.

"The atmosphere was more, 'OK, let's work with government.' There's some good things about this bill, but there's some really bad things about this bill, so let's work with them and throw ideas around."

"There are compromises that can be made that will keep most people happy."

The Alberta Agriculture Farm and Ranch Safety Coalition — more commonly known as AgCoalition — hosted producer meetings at three locations in Alberta in late June to "offer feedback into the consultation process with the government,"

SEE BILL 6 » page 6

New verified beef program makes a timely debut

Revamped VBP program means producers can document their animal care, biosecurity, and environmental practices



The marketplace is sending signals it wants verified sustainable beef, and the new VBP Plus program gives producers a way to show they are doing just that. PHOTO: CANADA BEEF

BY ALEXIS KIENLEN

AF STAFF

The newly launched Verified Beef Production Plus program is taking Canada one step closer in its quest towards verified sustainable beef, says one of its designers.

"This is just from my perspective, but we have always had early adopters — the people who believe in it — but there have never been clear market signals," said Cecilie Fleming, chair of the committee that revamped the original VBP program.

"People did it just because it was the right thing to do. Now we're getting market signals that the end-users are looking for those attributes. No longer can we say what we're doing — they are asking us to demonstrate what we're doing."

VBP Plus builds off the original Verified Beef Production, which focused on on-farm food safety. The new, voluntary program — open to cow-calf producers, backgrounders and feedlots owners — contains modules that address animal care, biosecurity, and environmental sustainability. It is part of the Canadian Cattlemen's programming, approved by the Canadian Food Inspection Agency, and meets the Canadian Roundtable for Sustainable Beef's recently drafted indicators for sustainable beef.

The rollout of VBP Plus also seems timely, since retailers such as Earls Restaurants and McDonald's have recently put an emphasis on sourcing sustainable beef. But the timing is coincidental as VBP Plus has been in development since 2013.

"This is part of the push to define sus-

tainable beef and our program is one of the programs that can make that happen," said Fleming, who raises Angus seedstock near Granum. "My phone, and the provincial co-ordinator's phone, has been ringing off the hook. Before this was coming, people knew it was coming and they wanted it, especially after a lot of discussion and social media came to light with Earls."

"There was evidence that we didn't really have a full robust program and now we do. It's not in reaction to Earls — it's just our timing."

Consumers' growing interest in how cattle are raised means food retailers and the food-service sector are also interested in sustainable beef, said the national manager of VBP Plus.

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That famous saying from Bud Williams is as true as ever when it comes to handling cattle

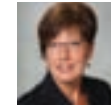
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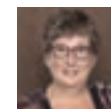
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Canada thistle: Meet your worst nightmare

Every rancher hates this hard-to-control weed, but stem mining weevils just eat them up (from the inside)

BY MADELEINE BAERG
AF CONTRIBUTOR

Every year, Canada thistle takes a big bite out of the productivity of Alberta forage and grasslands. But an increasing number of producers is biting back — in a wholly natural way.

In late August, the West-Central Forage Association will once again import hundreds of cartons of little black bugs from an insectary in Montana. These weevils will make their way into the enthusiastically waiting hands of dozens of Alberta forage and livestock producers frustrated by costly and difficult-to-manage Canada thistle.

Once released into infestations, the weevils will deliver an all-natural, permanent, self-perpetuating biocontrol solution to the troublesome weed.

"I can't believe how many phone calls we are getting from farmers about Canada thistle stem mining weevils," Melissa Freeman, who is co-ordinating the importation of the stem mining weevils for the forage association, said earlier this year.

"The demand is definitely there, and growing. In 2014, we had 89 people order weevils through us. Last year, we had 120 people confirmed on our list, but a late snowfall down in Montana meant the adult insects couldn't be collected so we weren't able to bring any up. And this year, we're getting tons of calls."

Canada thistle is an ultra-competitive noxious perennial weed. Every pound of Canada thistle biomass reduces grazing land's desirable biomass by two pounds.

The weed can seem almost impossible to attack. In addition to producing thousands of seeds, its deep and extensive root system can self-propagate, sending up shoots every few inches for 20 feet or more. Control options are limited as livestock refuse to eat the spiny leaves except when the plant is tiny; mowing allows the hardy root system to send up countless more shoots; tillage simply spreads the self-propagating roots; and herbicides are typically undesirable or impossible to apply on grazing land.

Canada thistle stem mining weevils, approved as a biological control agent in Canada 40 years ago, are attracting much greater interest because they are environmentally friendly — and they really work.

Freeman bought six trays of weevils for her farm two years ago.

"It takes awhile for the population to build up — as much as five years — so we didn't expect much at first," she said. "Last year, we saw a bit of a difference. This year when we went to check our



pastures, there was almost no thistle. We've seen a very big difference."

There's no official recommendation regarding how many weevils are required — it depends on the size of your thistle infestation, budget, and how quickly you want to get rid of the thistle.

An entire tray should be placed in a single infestation in order to allow the bugs to build up a self-perpetuating population. Once the weevils gain decent control of the patch of thistle, they will travel short distances in search of more thistle. Their movement is relatively slow — Canadian field studies found they move about 90 metres from over six years.

"I can't believe how many phone calls we are getting from farmers about Canada thistle stem mining weevils."

MELISSA FREEMAN

Canada thistle stem mining weevils are available to purchase from Integrated Weed Control in Bozeman, Montana. This year, a tray of 105 weevils will cost US\$125 (plus shipping). To bring the bugs across the Canadian border, an importer must hold a Canadian import certificate.

Because the weevils are susceptible to heat and cold, and shipped items are often delayed at the Canadian border, Canadian customers should plan to pick up their weevils at the U.S. insectary and then personally transport them across the border rather than shipping them.

While anyone may privately arrange an import certificate from the Canadian government, most Alberta producers instead opt to have the West-Central Forage Association handle the



The larvae of adult weevils (left, which are two to three millimetres in length) cause major damage in Canada thistle. PHOTOS: WEST-CENTRAL FORAGE ASSOCIATION



A heavy infestation of Canada thistle in 2010 (top) prior to the release of the weevils and the same patch of ground in 2012 (bottom). PHOTOS: D. ENGSTROM

paperwork and customs requirements. In late August, forage association staff plan to drive down to Bozeman to pick up the insects, drive them across the border, and hand deliver them to pro-

ducers along a set route up through Alberta.

For more information, contact the WCFA at manager@westcentralforage.com or 780-727-4447.

HUMANS – your most important farm resource

Attracting and retaining good workers on your farm doesn't just happen – you have to make it happen

BY ALEXIS KIENLEN
AF STAFF/HALKIRK

If you don't have people, you don't have a farm. It's as simple as that.

While most producers think about their farm in terms of their livestock and crops, they neglect to think about the people, says a rural business specialist with Alberta Agriculture and Forestry.

But that needs to change, Abby Verstraete told attendees at the recent Grazing School for Women.

"Human resources will become a bigger issue in farming as farms get bigger and employment becomes more of an issue," she said. "People don't look at human resources as something they can manage and save costs on, but you really can see direct returns if you spend time in that area."

Start by thinking about the long-term goals for your operation, she said.

"Think about the bigger picture and how human resources will fit into your farm's strategic plan and your business planning. It should also fit with your philosophy and your goals."

Then define the roles and responsibilities for everyone on the farm, whether they are employees or family.

"I would emphasize that it's just as important to have good management practices with family because you are less likely to communicate well with them," said Verstraete. "You are more likely to make assumptions that they will know what you are talking about, and assumptions that they know what roles or responsibilities you want them to take."

Miscommunication comes with a big cost if it results in stressed animals, broken equipment, or lost productivity. It's key to have



Everyone working on a farm – whether employees or family – should have a job description and know their roles and responsibilities. PHOTO: THINKSTOCK

clearly defined expectations for every worker and clear lines of authority, she said.

Employers should also continually assess their labour needs and see how those needs line up with their current work force.

"If they don't match, sometimes it's as easy as looking at job descriptions and moving around responsibilities with people who are on the farm," said Verstraete.

Job descriptions pinpoint responsibilities and determine what each team member has to do.

"These are also good for succession. People can see who is doing what, and it's formal and written down."

Compensation is tricky and Verstraete's advice was to talk to other

employers, look at job postings to see what employers in your area are offering, and use online resources. (One she recommended was the agri-talent section of the Canadian Agricultural Human Resources Council website — www.cahrc-cchra.ca — which lists agricultural jobs across the country.)

When writing a job description, make sure it's accurate.

"It's an agreement on both sides," she said. "They want to know what they're stepping into and you want to know that they can handle it."

Consider offering benefits, as well as things such as specialized training or mentorship, to make yourself a more attractive employer.

"Often people working in the agriculture industry are looking beyond compensation, and are looking for training or mentorship," said Verstraete. "This is what keeps them engaged and passionate. They're going to keep learning in the industry and be able to develop. It's a human need to feel that you are continually growing."

Communication is the key, she added.

"People should know what is expected of them at work. This sounds like the easiest thing ever, but it can be very complex and can get confusing."

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"People don't look at human resources as something they can manage and save costs on, but you really can see direct returns if you spend time in that area."

ABBY VERSTRAETE

Additional HR online resources

Farm Management Canada has articles, books, and other tools at www.fmc-gac.com.

Manitoba's Agriculture Department has a free online publication called *Human Resource Management for Agriculture Organizations* that can be found at www.gov.mb.ca/agriculture (search for "human resource management").

Food development centre gets \$10-million boost

Crop commissions welcome funding to expand the Leduc food development facility

STAFF

A \$10-million expansion of the food development facility in Leduc is being welcomed by the provincial wheat and barley commissions.

"We hope this capital injection will be a catalyst for further innovation from the Food Processing Development Centre," said Alberta Barley chair Mike Ammeter, who farms near Sylvan Lake.

The centre and Agrivalue Processing Business Incubator will gain an additional 2,350 square metres of business incubation and development space. The centre provides equipment and services to help new and established companies develop their products, test their business plans, and grow their business.

"As farmers in this province we are growing high-quality food ingredients for international markets, so it is great to see this type of investment to fur-

ther advance value here at home," said wheat commission chair Kevin Auch, who farms near Carmangay.

The centre helped Siwin Foods, a maker of ready-to-eat meals such as potstickers and stir-fry sizzlers, get off the ground, said company president Qiang Lin.

"The food-processing centre in Leduc has supported our company in its development and helped create the climate for our success," he said. "We have now built a new 3,250-square-metre facility in Edmonton, employ 47 people, and ship our Alberta-grown and -made products across Canada and recently listed with a major retailer in Japan."

Alberta's food and beverage sector is No. 2 in manufacturing in the province, employs about 25,500 people, and generates sales of more than \$13 billion.

"Seeing the crops we grow being used as ingredients to make new and innovative products is exciting to growers," said Auch.



Minister of Agriculture and Forestry Oneil Carlier (centre) is given a tour of the Food Processing Development Centre after announcing a \$10-million expansion.

PHOTO: CHRIS SCHWARZ/GOVERNMENT OF ALBERTA

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THE ALBERTA FARMER EXPRESS is published 26 times a year by Farm Business Communications. We acknowledge the financial support of the Government of Canada through the Canada Periodical Fund of the Department of Canadian Heritage.

Publications mail agreement number 40069240

CANADIAN POSTMASTER:
Send address changes and undeliverable addresses (covers only) to Circulation Dept., P.O. Box 9800, Winnipeg, MB R3C 3K7

ISSN 1481-3157

Call 1-800-665-1362

or U.S. subscribers call

1-204-944-5568

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OPINION



Supply management: Time to change

The demise of the Crow Rate and the wheat board shows that long-term policies can change in a hurry

BY GORD GILMOUR

MANITOBA CO-OPERATOR ASSOCIATE EDITOR

A few years back, while working as a writer for our sister publication *Country Guide*, I spoke at some length with Saskatchewan-based agriculture economist Murray Fulton, about how farm policy is typically set in Canada.

He told me that what tends to happen is something he called “punctuated equilibrium” — which is to say that Canadian agriculture policy tends to reach a state of consensus on a topic, then remain there for quite some time.

Over time, new issues appear, and pressure begins to slowly build under the surface. Eventually it begins to bubble up, reach a boiling point, then boiling over in a flash of action — like the death of the Crow Rate or the move to an open market for western wheat and barley.

He also told me, in his opinion, we were probably at the start of the process where the pressure would begin to build on supply management. With the benefit of hindsight, he’s beginning to appear downright prescient.

There’s little doubt pressure is rising. Various trade agreements threaten to both undermine it and cap future growth. Columns in both the farm press and mainstream media increasingly take issue with it. Recently Maxime Bernier, a Conservative MP from Quebec and candidate for the party’s leadership, broke ranks and said it is time to reform the system. A pair of University of Manitoba researchers recently received a national economics award for a policy paper examining the outsize impact supply management has on poor households.

In a nutshell, their case states that supply management is a regressive tax that rich and poor alike pay at the same rate, and the higher prices of basic grocery staples is driving poor households to less healthy and wholesome options.

Drip by drip, the dam is breached, and change now appears inevitable — the question is no longer if, but when, how and by whose design, in my opinion.

So far, supply-managed commodity groups have taken a fighting stance, battling every perceived threat. It’s certainly understandable. After all, the current system appears to have functioned well for them for decades now. But in a strategic sense, I believe this is an error. After a while policy-makers will just conclude the farmers in question are resistant to change and they’ll impose a solution, like it or not.

When the punctuation is reached, governments tend to act the same no matter the party in power, or the issue at play. It can be summed up pretty simply: distract them, rip the bandage off, and run like hell. It would be nice to think a new generation of leaders might actually display leadership, but don’t count on it.

If they won’t, industry will need to, or risk being saddled with a deal they’ve had little input on.

I’m not suggesting giving away the farm, of course, and I don’t think even the most ardent free market proponents are either. The truth is a lot of commodities are subsidized in a lot of different ways in a lot of different places. But what makes supply management unique is that it’s been singled out as a trade-distorting policy and essentially shuts Canada out of export markets for commodities, in particular dairy, while spinning off unintended consequences at home.

Agricultural economists Al Mussell, Doug

Hedley and Kamal Karunagoda examined this in a widely discussed policy paper, *Canadian Dairy Exports: The Knowns, Unknowns, and Uncertainties*. In it they noted many other countries provide both direct and indirect subsidies, but don’t suffer the same sort of trade backlash, because of the different way those subsidies are viewed.

In fact, the milk sector looks, to the casual observer, like the supply-managed commodity that’s currently under the most duress. There’s a well-documented mismatch between production and consumer demand that’s resulted in ever-rising butterfat imports. There’s a thriving grey market in U.S. milk solids that are crossing the border by exploiting a poorly understood loophole. Our exports are unwelcome because of supply management, while at the same time our domestic market is opening to dairy imports, suggesting Canadian producers are likely to lose out market share with no chance of a replacement.

Left unaddressed, it will be death by a thousand cuts. Rather than sticking their collective heads in the sand and hoping for the best, I strongly believe supply-managed producers would be best served by having a painful conversation amongst themselves. They should be taking a long and hard look at what criticisms of the current system might be most valid, and attempting to address them.

There’s still plenty of time to take a more proactive approach to this situation, and nobody appears to be making a case for leaving farmers high and dry, holding the high-priced bag of quota they just bought.

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Big crop on the horizon — should we be worried?

Even if this year’s crop isn’t a whopper, the pressure on the grain-handling system is intensifying

BY LAURA RANCE

EDITORIAL DIRECTOR

There are some among us who plan their drive across the Canadian Prairies so they do most of it under the cover of darkness, ostensibly to avoid the tedium of vast horizons on which there is “nothing” to see. To each their own.

I’ve taken that drive twice this spring — with the help of good company and a bag of Manitoba-grown sunflower seeds. Each time, I found the experience awe inspiring.

Most recently, what was most impressive was just how green it is from Alberta, which suffered a crippling drought last year, across Saskatchewan to Manitoba, where farmers right now are feeling the effects of a little too much rain.

After a seeding season that was frighteningly dry, no one here is complaining too much. Any crop losses from those drowned-out low spots will be more than offset by the yields coming off the rest of the fields. And the sense of relief farther west was palpable.

Some farm leaders are observing the same thing. Agricultural Producers of Saskatchewan issued a release urging the railways and the grain industry to prepare for a potentially large crop.

President Norm Hall notes that in 2013-14 the railways claimed surprise at the size of the crop, which led to a “logistical nightmare,” costing farmers \$1.5 billion in lost revenues.

To be fair, everyone, even farmers, was surprised at the size of the 2013 harvest. Overall, western Canadian farmers produced a whopping 77 million tonnes, a 28 per cent increase of the previous record of 60 million tonnes set in 2008.

Of course, it’s too soon, way too soon to be predicting a 2016 bin buster considering the long list of ways things can go wrong before harvest. Production variability has historically been one of the logistical wild cards for this sector trying to plan.

But the emerging reality for the grain-handling and transportation sector is that despite year-to-year variability there continues to be sustained annual growth in production.

In its report issued earlier this year, the panel reviewing the Canadian Transportation Act found volumes have increased on average about one per cent per year over the past three decades as a result of investments in technology and better agronomic management. Another report found that wheat yields have increased 43 per cent and canola by 56 per cent since the

early 1980s. That pace of growth is expected to speed up, not slow down.

As well, production of wheat and coarse grains is giving way to more oilseeds, pulses and special crops. This too changes the grain-handling and transportation dynamic.

Canada faces several unique challenges relative to its competitors in the global marketplace.

Farmers here are more heavily dependent on the export market, exporting 70 per cent of their wheat, 50 per cent of oilseeds and 25 per cent of coarse grains.

Their grain must travel farther to reach tidewater. Western Canadian grain travels between 1,450 and 1,950 kilometres, while other grain-producing countries, such as Australia, Brazil, or any of the European countries, deal with a much shorter haul, in the range of 320 to 400 kilometres, the federal report said.

Ninety-four per cent of Canadian grain exports move by rail, compared to 50 per cent in the U.S. and Australia.

There is a shortage of “adequate” off-farm storage. Combined commercial port and inland storage in Canada can hold about 20 per cent of average annual production. The U.S. can store more than 50 per cent of its crop. Australia has room for 175 per cent.

The “just-in-time” delivery

approach this country has relied upon is an even bigger challenge now that the co-ordinating function the former Canadian Wheat Board played in drawing grain into the system using quotas and contracts has ended.

The point is, if the 2016 crop doesn’t turn out to be a whopper the next one might; the pressure on the handling system is intensifying.

The industry heaved a sigh of relief when the federal government opted to extend the emergency provisions imposed on the railways during the 2013-14 grain transportation crisis.

But other than that, there has been no indication that the need for policy to address these increasing pressures on the grain-handling system is very high in the federal government’s priorities.

These temporary provisions buy the government some time to more fully consider the report’s recommendations or alternatives as proposed by many of the industry groups that have responded.

But policy development and implementation is a lengthy process — even when there is consensus. Until the constraints on the grain-handling and transportation system are addressed, Canada and its farmers will struggle to reap the full benefits of their productivity.

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OPINION



It's not just the price of beef that drives cattle values

Hides are a big part of the profitability equation for packers and when buyers of leather cut back, producers feel the pain

BY BRENDA SCHOEPP
AF COLUMNIST

There has been some great despair over cattle prices this year.

Fed cattle dropped below sea level when they decided to descend. This was not entirely unexpected, but we still don't have a lot of cattle inventory in Canada and our North American economy is OK. What is happening?

Cattlemen and cattlemen have always believed the price the packer pays is driven by the value of the beef. And that is true to an extent. But the full value of the carcass includes its credits, such as hide and offal. It is the hide that is the economic indicator for packers and plays a role in meat price.

Rawhide and skin is 22 per cent of the value in total meat trade. Most packers now add value to the hide. When you take rawhide and add in finished leather and footwear, that once hairy coat is worth three times the value

of the meat trade. And although we have seen a slow growth in rawhide values, the value of finished leather had taken a big leap prior to 2014.

Cow hides started to slip in the spring of 2014. By 2015, the price on U.S. rawhides had dropped by \$1.5 billion (all prices in U.S. dollars), while sheep and lamb dropped by \$300 million. Prior to this time, all the projections were for hide and leather values to increase indefinitely.

To keep it in perspective, let's review where hides from America are sold. In 2015, China bought 63.3 per cent of American hides, Korea 21.2 per cent, Mexico 5.3 per cent, Italy 1.2 per cent, Vietnam 0.6 per cent, and others, including Canada, filled in the 8.4 per cent gap. China and Korea use 84.6 per cent of U.S. hides and have a free trade agreement between themselves that makes them "significant others." Hide inventories were good, manufacturing was in full swing, and the insatiable appetite for all things expensive was to go on forever.

The 'China Doll' started to crack in 2014 and was in pieces by the end of last year. This had a huge and devastating effect on hide prices and consequently on cattle prices. Cattle remained weighty, offsetting any lack of inventory advantage.

A 2015 snapshot on packer price for hides looks like this (again, in U.S. dollars). Heavy hide \$84, branded hides \$80, butt branded \$92, and native hides at \$95. Plump cow hides bring \$56 with Holstein hides at a higher value (\$71) while any hides that are nicked or damaged while being pulled slump to \$50.

Now that we have an idea what classes of hides are worth and where they go, let's talk about hides as an economic indicator for cattle prices.

China was forced to shut down many of its tanneries in the north because of environmental infringements in the spring of 2014. Shortly thereafter the country had a slump in its economy, the fashion industry took a hit, and sales of luxury leather

goods and furniture were slow. At the same time, there were port issues and the hide trade became congested. Between March 2014 and March 2015, butt branded hides skidded from \$110 to \$66.

With hides being such an important part of the packer profit, the decrease in credit value is passed along to the price of meat and thus the price of cattle. When the big guns — the automakers, shoemakers like Adidas, furniture makers such as Lazy Boy, or the Coach luxury handbag line — have a sales issue there is just one outcome — lower bids on rawhide and leather.

The leather industry has its woes, too, as going green in the tanning process is proving to be difficult. Leather is also challenged on the animal rights front and biofabrication uses materials ranging from mushrooms to skin cells. Memory shoes, where leather is mixed with another agent is all the rage, as are 3D printed leather shoes delivered to your door.

Hides are historically a strength indicator for the cattle industry. An example is the 2008 crunch when the price on U.S. bovine hides dropped by \$1.5 billion and sheep and lamb hides peeled off \$300 million.

Historically, when cow hides start to slump, steer hides will follow. This could be prompted by a problem with delivery (such as a strike at port), tanneries losing interest or closing, or the main buyer having economic or political troubles.

North American cattle prices are heavily dependent on what happens in the fashion and luxury market of South Korea and China, how well autos are selling, and if folks are buying furniture. As Paul Harvey would say, "Now you know — the rest of the story."

Brenda Schoepp is a farmer from Alberta who works as an international mentor and motivational speaker. She can be contacted through her website www.brendaschoepp.com. All rights reserved. Brenda Schoepp 2015



The outlook for Canadian agriculture is one of 'surprising strength'

Crop and livestock prices are off their highs, but demand, supply, and the low dollar are positive factors

BY J.P. GERVAIS
FARM CREDIT CANADA

Here's some encouraging news.

Farm cash receipts should be relatively stable across all provinces in 2016-17. Each province combines a different mix of crops and livestock products that result in varied provincial receipts, but the overall trends appear steady.

There are a number of reasons this is likely to be the case.

Commodity prices show surprising strength.

Canadian crop receipts are projected to increase 5.8 per cent in 2016, with a further 3.8 per cent expected in 2017.

Crop receipts hit their high in 2013, and have fallen since with record global production and lower consumption. However, production concerns in South America and robust demand from biofuel, feed, and export markets have helped strengthen futures prices of grains and oilseeds for 2016-17.

Livestock receipts are expected to decrease 6.9 per cent in 2016, rebounding in 2017 with a 2.6 per cent increase.

The overall pricing in livestock sectors is projected lower than the 2014-15 trends, but remain above historical averages. Cattle

prices remain historically strong and hog prices are in line with their five-year average. The dairy sector will face revenue pressures, mostly driven by low world prices for skim milk powder.

Production continues to trend up.

The strength of the 2016 crop receipts is in part due to the size of the 2015 crop. Production of canola, corn, and soybeans was significantly above each crop's respective five-year averages, and larger than the 2014 crop. Wheat production has declined, but the impact has been offset by increases in other crops. Of course, how weather will impact 2016 production is unknown, so 2016-17 projections assume average yields for the 2016 harvests.

With no signs of expansion in the cattle industry, Canadian beef production should remain flat or slightly down in 2016 and 2017. Pork production is projected up slightly (less than one per cent growth) while milk production is expected to grow slightly in 2016.

A low Canadian dollar helps too.

Most commodity prices are determined in the U.S. market, which means a lower loonie leads to higher receipts for both crops and livestock.

To date in 2016, the loonie has averaged US\$0.75, slightly lower than its 2015 average of US\$0.78. Having hit a low of US\$0.68 in



PHOTO: THINKSTOCK

early 2016, it's expected to stay in the range of US\$0.75-0.80 for the remainder of 2016.

Stronger farm cash receipts will drive higher farm equipment sales in 2017.

Our projections for crop and livestock receipts suggest a strong Canadian ag sector. Higher farm receipts support both farmland values and farm equipment purchases.

Keep in mind these projections are subject to variability and external shocks. Sound risk management practices are important, even if the 2016-17 pricing forecasts appear promising.

J.P. Gervais is the chief economist with Farm Credit Canada.

BILL 6 ▶ from page 1

said AgCoalition co-chair Kent Erickson, who farms near Irma.

“The three meetings in Lethbridge, Leduc, and Grande Prairie were designed to have good focused feedback from producers from all different sectors to talk about employment standards, labour relations, occupational health and safety, and just general farm safety to make sure we have a good understanding of where our producers are coming from,” said Erickson.

In Leduc, Gord Winkel, strategy adviser for the AgCoalition, facilitated the meeting with over 50 in attendance.

“We are here to design our own future — a future for ag by ag,” he said.

The meetings were meant to mirror the government-led consultation process for developing regulations to go with the Enhanced Protection for Farm and Ranch Workers Act, where six separate technical working groups will cover areas ranging from employment standards, labour relations, and occupational health and safety.

“We’re going to take the feedback we receive and try to feed it into the government process so that it will be industry led, which is what we’re really hoping for,” said Erickson, who also sits on one of the technical working groups.

“I think industry needs to try to take control again of farm safety, whether it’s technical standards, regulations, or education.”

‘Very professional’

The technical working groups met for the first time in mid-June. The six groups have 72 members (plus an independent chair), of which 23 are producers recommended by the AgCoalition. There are also industry experts, labour reps, and farm employees on the six groups.

“From my perspective as a producer, (the first meeting) went well,” said Erickson. “It was very professional, and all of the people at the tables are there for a good reason.”

“I really do think some of the outside expertise is going to offer some constructive feedback in some of the components of the tables, but it can be a little tricky when you have outside expertise weighing in on an industry that they really don’t understand.”



“I think industry needs to try to take control again of farm safety, whether it’s technical standards, regulations, or education.”

KENT ERICKSON

Erickson said he hopes information gathered at the three AgCoalition meetings will help guide the 36 producers who are participating in the government’s working groups.

“Because I do sit at one of the tables, what I really need from these three meetings is a good understanding of what farmers and ranchers want to see,” said Erickson. “We need to get a good feel of what producers really want to get across so when I go into a table, I don’t feel like I’m just representing myself or taking a stab in the dark at what’s best for farmers.”

AgCoalition wanted to keep the three meetings “very objective and very constructive,” inviting two or three people from each of the coalition’s 30 member groups to participate in the process.

“What we didn’t want was to end up with 400 people because it wasn’t a forum like the town halls in December,” he said. “We were looking to get enough focus to really make some decisions and get some really good information.”

Many people at the Leduc meeting were from the grain sector, but other sectors — cow-calf, feedlot, dairy, greenhouse, and elk, to name a few — were also represented. One grain farmer, whose background was in education, viewed the meetings as farmers “writing a new curriculum for the school year.”



“We all want our employees to be going home at night safe and in the same condition that they came to work in,” says Kevin Serfas. PHOTO: SUPPLIED

‘Decent consensus’

The coalition will also be exploring other ways for producers to provide feedback, Erickson added.

“Now that we’ve done the meetings with the government, we understand the types of questions we’re going to be asked, so we’re going to try to develop some sort of survey or a way to provide feedback for people who aren’t able to attend the meetings,” he said.

“When all is said and done, we’ll have a good technical report and briefing for all the nominees who are at the government tables.”

For his part, Serfas was a little skeptical about the AgCoalition when it was formed, but he’s come around after attending the Lethbridge meeting.

“I questioned how the AgCoalition was going to do this and keep everybody’s best interests in mind,” said Serfas. “You’ve got 40 or 50 people representing 40,000 producers, and the math on it doesn’t look that great.”

“But after today, I really do think that they are doing a service to the industry.”

At the meeting, producers were invited to share their input on each of the technical working group areas, said Serfas.

“They wanted feedback on which parts we like and which parts we just cannot live with,” he said. “There was a pretty decent consensus amongst the group of things that will work and things that will not work.”

One such area was overtime for seasonal workers.

“There was a consensus that that will not work in the ag industry, mainly because we’re so seasonal. If you take a look at a year’s worth of work as a whole, we probably fall within industry standards, but because of seasonality, there’s times where it just won’t work.”

There were a lot of ‘how do we’ and ‘who takes the lead’ questions during discussions.

Cost was another area that was top of mind for producers — not

only who is going to cover the cost of implementation, but what it’s going to cost for producers to implement.

Producers at the Lethbridge meeting also agreed about the importance of having safer farms for their families and workers.

“We all want our employees to be going home at night safe and in the same condition that they came to work in,” said Serfas. “At the end of the day, our No. 1 priority is the farm worker and their safety.”

But the “biggest thing” was the opportunity for producers to provide their input.

“I think people were really happy that they were able to sit and talk to some of the people who are actually sitting at these government tables and representing us,” said Serfas. “They just want to be heard.”

(Editor’s note: Contributor Jill Burkhardt is a cow-calf producer near Gwynne and attended the Leduc meeting in that role.)

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VERIFIED BEEF ▶ from page 1

“This gives us the opportunity to tell them what we’re doing,” said Terry Grajczyk, a producer from Zihner, Sask. “We hope producers understand that this is not a make-work project. This is the customer saying they want to know.”

VBP Plus will “mirror” the standards being developed by the Canadian Roundtable for Sustainable Beef, added Fleming.

“We are working in tandem and following the indicators are in all of our processes,” she said. “If we find gaps, we’ll address the gaps. We want to be there and be a program that meets the needs of the CRSB.”

How it works

VBP Plus is a national program administered by each province and was built off the National Beef Code of Practice, national biosecurity standards, and components of each province’s Environmental Farm Plan. Any producer who has taken VBP will have to sign up to take the additional modules.

“What we tell producers is, ‘Take



“We hope producers understand that this is not a make-work project. This is the customer saying they want to know.”

TERRY GRAJCZYK

a look at what it is and make sure you understand what it isn’t,” said Grajczyk. “If you want to pick up the voluntary audit, you can.”



“No longer can we say what we’re doing — they (beef buyers) are asking us to demonstrate what we’re doing.”

CECILIE FLEMING

Some beef programs require an audit, and that option is available to anyone in the program. Many producers find that they need to

make some adjustments to their operation once they have gone through the audit.

“It’s a voluntary program, but some retailers and wholesalers are saying that they would like producers on this (audited) program,” said Grajczyk. “If producers get themselves educated on the implementation and the outcome, they will be able to meet the needs of some buyers down the road.”

Producers, industry professionals, scientists, and members of the sustainable beef roundtable were involved in the development of VBP Plus.

There are two types of ways that producers can be involved with the program — the first level is classed as “trained” and the second as “registered.”

Nearly 20,000 operations across the country are trained in the original VBP, and between 1,300 and 1,400 are already fully registered in VBP Plus (which means that they have gone through an audit). Producers on the program have to maintain a certain level of record-keeping, complete self-assessments, and be open to

voluntary audits, but they are not subjected to third-party audits every year.

The fee for VBP Plus ranges from \$400 to \$750, depending on the complexity of the operation audited. The fees pay for the cost of the audits.

Producers who want to participate need to get a copy of the producer manual and follow the summary checklist, which defines the outcome of the program. Any producer who has gone through the McDonald’s pilot program will already meet many of the VBP Plus requirements.

“There’s no question that in the last four to five years, if you listen to a market expert, that the market has become increasingly interested in what we do at the farm level,” said Grajczyk. “This will sort of demonstrate what gets done.”

For more information, go to verifiedbeefproductionplus.com (click on the Registration or the Forms and Manuals tab for more details on how the program works).

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Hello,

My name is Michiel De Jongh, and I am the president and general manager of Monsanto Canada. Over the last year, my team and I have spent some time talking with growers and industry partners. We heard – loud and clear – that you’re concerned about managing weeds on your farm in a sustainable and long-lasting manner.

We’ve also been hearing a lot of fear-based rhetoric floating around – about farming practices and resistance in Canada. When it started, we should have spoken up. When you began to battle herbicide resistance, we should have stood beside you. Instead, fear spread.

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This is an exciting time to be in agriculture. We’re seeing greater yields and more innovation. But we’re also facing challenges. It’s more important than ever to stand together as an industry.

Monsanto made one of the most powerful herbicides in the history of agriculture. And you’ve counted on it to protect your fields for decades. Together, we’ll make sure you have everything you need to keep protecting your fields for decades to come.

Reach out to us to learn about what we are doing to ensure the sustainability of Canadian farms and the effective use of glyphosate. Let’s bring confidence back to the field.

Sincerely,

A handwritten signature in grey ink, appearing to be "Michiel De Jongh", enclosed within a light grey oval border.

Michiel De Jongh
President and General Manager
Monsanto Canada

Monsanto.CMS@monsanto.com

Grain-shipping measures extended one year

Grain companies and farm group welcome the move and vow to keep the pressure on Ottawa for a permanent solution

BY ALLAN DAWSON
AND ALEX BINKLEY
STAFF/CONTRIBUTOR

Pleased and relieved. That's how western Canadian grain farmers and elevator companies are reacting to a one-year extension of emergency grain-shipping measures first implemented in 2014 to address a backlog in grain shipping.

The four key provisions, which came into effect under the Fair Rail for Farmers Act, were set to expire Aug. 1. They give the federal government the power to set minimum grain movement volumes; provide for arbitration of service level agreements between shippers and the railways; compensation for rail service failures; and extend interswitching to 160 kilometres from 30.

Interswitching allows an elevator serviced by one railway to ask another to move its grain, so long as there is a connection within the prescribed distance.

Both farmers and grain companies say extended interswitching has stimulated railway competition.

"This provides an element of competition between major railways and has emerged as an effective tool in establishing more competitive rates and service levels," the Canadian Canola Growers Association said in a news release.

As of May, more than 2,900 rail cars moved via interswitching, said Wade Sobkowich, executive director of the Western Grain Elevator Association.

Eighteen hundred cars from elevators on the CP Rail system were moved by Burlington Northern Santa Fe, which also moved 1,100 cars from elevators on CN Rail lines. And CP moved four cars from CN lines.

"By giving shippers some choice it effectively turns a monopoly into a duopoly in many cases and a duopoly is better than a monopoly when it comes to trying to get better rates and service," Sobkowich said.

Just the threat of interswitching helps grain companies negotiate better rail rates and service, he added.

The Canadian Oilseed Processors Association commended the government's action and said interswitching was especially important to its members — companies that crush oilseeds to produce vegetable oil and meal.

The Canadian Federation of Agriculture, Canadian Canola Growers Association, and other farm groups also welcomed the extension.

CN and CP opposed the extension, saying grain shipping will improve with less regulation, not more. Both have noted new grain movement records were set since the backlog, which they blamed mainly on a record harvest and colder-than-average winter.

In April the government promised a one-year extension, but with House of Commons to rise for a summer break, farmers and shippers weren't prepared to relax until the motion passed, as it did, first in the Senate and then in the Commons unanimously, June 16.

While Aug. 1, 2017 is a long way off, it takes time to get proposed legislation into law. That's why farmers and shippers vow to keep the pressure a permanent fix.

"This is the most important issue the Western Grain Elevator



Grain shippers say the now-extended temporary measures have stimulated competition within the system where before none existed. PHOTO: CPR

tor Association has worked on in recent years," Sobkowich said.

The association and farm groups want regulations mimicking a competitive market, and the WGEA has five recommendations:

- Make 160-kilometre interswitching permanent.

- Make rail service demand driven not supply driven.
- Make railways subject to penalties, as grain shippers are now, for failing to meet service requirements.
- Give the Canadian Transportation Agency the authority

to investigate railway service on its own and issue orders in urgent situations.

- Set aside discussions on freight rates until service and accountability issues are resolved.

These measures require amendments to the Canada

Transportation Act, now under review.

Meanwhile, the Canadian Transportation Agency, which handles disputes between railways and grain shippers, has delayed until next year a review of its rail freight regulations, which should be germane to the decision on the grain transport protections.

Former Conservative agriculture minister Gerry Ritz, who was the main driver behind the fair rail bill, said the extension "gives us some breathing space" but it's important to "keep the lens on the railways to ensure they measure up."

"CN is fulfilling its obligations about 80 per cent of the time and CP is at a dismal 60 to 62 per cent, even with all the other commodities down," he said. "A lot more work needs to be done."

Service problems were "a question of engines and crews: and shippers should have the ability to impose service failure penalties on the railways, he said.

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Saudi Arabia’s SALIC boosts investment in G3 Canada

The state-owned firm is now the majority investor in the joint venture that now controls the former CWB

BY ROD NICKEL
WINNIPEG / REUTERS

Saudi Arabia’s agriculture company has taken control of the majority investor in grain handler G3 Canada Limited, according to a filing, reducing Bunge’s stake and strengthening the kingdom’s efforts to secure food supplies.

G3 Global Holdings — the joint venture of U.S. agribusiness Bunge and Saudi Agricultural and Livestock Investment Co. (SALIC) — bought 50.1 per cent of the former Canadian Wheat Board in 2015 for \$250 million. It was renamed G3 Canada, with farmers accounting for 49.9 per cent of equity.

In two steps this year, SALIC,

an arm of the state-owned Public Investment Fund, grew its stake in the joint venture to 75 per cent from 49 per cent, according to an April 28 Bunge filing.

“Any ownership changes that have happened within our company have not had any material impact on the organization itself, the operations or how we run the company,” said G3 Canada chief executive Karl Gerrand.

SALIC has “done a really nice job of allowing our team to operate as an independent Canadian organization,” he said. “For the most part, it’s been hands off.”

He declined to comment on reasons for the ownership change.

SALIC converted \$106 million in promissory notes into additional shares in the joint venture with Bunge on Feb. 1. This took its

stake in the majority investor of Winnipeg-based G3 to 65 per cent from 49 per cent, and reduced Bunge’s share to 35 per cent.

Bunge then exercised an option on March 30 to sell shares to SALIC for \$37 million, bumping up SALIC’s ownership of G3 Global Holdings to 75 per cent.

SALIC could not be reached. Bunge spokeswoman Deb Seidel declined to comment.

Saudi has been phasing out crop farming due to its intense water usage in the desert kingdom. SALIC has targeted investments in beef and eight key crops, including wheat. Farmers’ equity accounts for the same number of shares in G3, however, its percentage of ownership has dropped because of recent investments by the SALIC-Bunge joint ven-

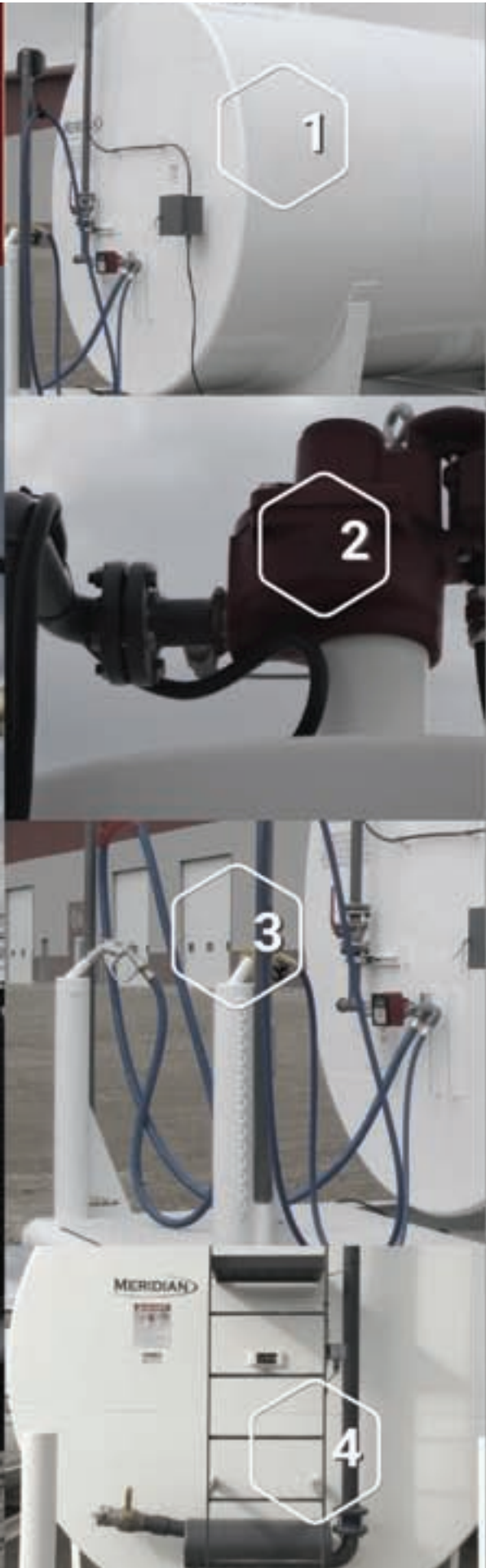


PHOTO: WESTERN PRODUCER

ture into the company, Gerrand said. He declined to give a current percentage.

Keith Degenhardt, a farmer and first vice-president of the Alberta

Federation of Agriculture, was disappointed when foreign investors bought the former wheat board, but said any dilution of farmer equity is “not top of the mind.”



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Earls enlists Canadian beef producers

Spring Creek Ranch able to supply ‘ethically’ raised beef

STAFF

Earls Restaurant has enlisted a handful of Canadian ranchers and processors to supply beef to about half its stores while matching its criteria for animal care and “ethical farming practices.”

The move comes after Earls retreated from a plan to source U.S. beef produced under the Certified Humane program. The company says it will now provide Canadian beef meeting its criteria for its 24 restaurants in Alberta and three in Saskatchewan. (It has 28 other Canadian restaurants.)

The company announced its “new partnerships” with Vegreville-based Spring Creek Ranch — which will supply Aspen Ridge Farms, a brand of meat packer JBS following the Certified Humane program — and Etobicoke, Ont.-based Beretta Family Farms, certified by Texas-based Global Animal Partnership.

Earls also named White Moose Ranch, a beef operation at Pridis, as a “possible future” partner.

“We’ve been raising our cattle to meet the standards that Earls has been seeking because we believe it’s in the best interest of the animal as well as the consumer, so we’re happy that Earls has made this type of farming a priority in how it sources its beef,” Kirstin Kotelko of Spring Creek said in an Earls’ press release.

Alberta Beef Producers chair Bob Lowe said his organization has been working with the company “to identify new partner ranchers that meet Earls’ criteria for its customers and market segment.”

SAUDIS UP SHARE IN G3 CANADA

Saudi Arabia's agriculture company has taken control of the majority investor in grain handler G3 Canada Limited. G3 Global Holdings, the joint venture of U.S. agribusiness Bunge and Saudi Agricultural and Livestock Investment Co. (SALIC), bought 50.1 per cent of the former Canadian Wheat Board in 2015 for \$250 million (with farmers accounting for the other 49.9 per cent). In two steps this year, SALIC upped its stake in the joint venture to 75 per cent from 49 per cent. G3 Canada CEO Karl Gerrand says the move by SALIC won't affect how the company is run, saying "for the most part, it's been hands off." — Reuters

RECORD HOPS CROP

U.S. farmers plan to harvest their largest-ever hops crop, giving craft brewers who are struggling to match surging demand for beers with more aroma and bitterness reason to cheer. The USDA says this year's harvest will be 51,115 acres — a 17 per cent jump from last year. "That is certainly good news for us," said Benjamin Li Yu, chief executive of B.C.-based Russell Breweries. "I hope the increase is giving everyone room to breathe." In 2015, sales of U.S. craft beer rose 12.8 per cent domestically and 16.3 per cent for exports, while overall U.S. beer sales fell 0.2 per cent. U.S. hops prices have climbed four straight years, hitting a record \$4.38 per pound last year. — Reuters

MARKETS



Fund selling, good weather, Brexit pile onto canola

Outlooks for wheat and soy crops also dragged on futures based on what happens with weather, currency and seeded acres

BY DAVE SIMS

ICE Futures Canada canola futures fell off the proverbial cliff during the week ended June 24, as a deadly mix of fund liquidation, favourable weather and Britain's decision to leave the European Union weighed down the market.

The bearish saga began when the front-month July contract dipped below its major support level, which caused the selling to build upon itself. Traders were already moving out of the July contract and into the November month.

Favourable weather across Western Canada — as well as parts of the U.S., where soybeans are plentiful — further pressured the market. Ideas that this year's crop will be larger than initially expected also took hold.

However, it may have been Britain's surprise decision to exit the EU that pulled the rug out from under the market. Most analysts expected Britain to

remain in the EU and had baked that into trades leading up to the day of the vote (June 23). Markets plunged everywhere when the ballots started coming in, however, and the rout was on.

In all, canola's most active November contract lost \$41 on the week, to bring it under the \$480 mark. Some traders had been saying, though, that the previous highs were overdone and due to come down.

Canola retaking its previous highs may seem dubious, as seeding is now in the past and most crop-watchers say the new plants are well established with excellent prospects.

Soybeans on the Chicago Board of Trade suffered sharp losses during the week ended June 24. Good U.S. crop conditions pressured soybeans at the start of the session which was quickly followed by fund long liquidation. The Brexit vote results also took many traders by surprise, which undermined values even more. Both of the front-month contracts lost 56-58 U.S. cents per bushel on the

week, while the most-active November was down nearly 70 cents.

Corn futures were also pushed lower on the week, shedding 54.5 U.S. cents in the most-active December contract. The market was similarly affected by the same factors buffeting soybeans. Ideas that South America would grow more corn moving forward was also bearish for prices.

U.S. wheat was also hard hit by the

bearish maelstrom of news facing agricultural markets. The most-active September contract fell just under 30 U.S. cents per bushel on the week. The advancing winter wheat harvest in the Midwest and better-than-expected yields also dragged on values.

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

For three-times-daily market reports from Resource News International, visit "ICE Futures Canada updates" at www.albertafarmexpress.ca.

EU facing smaller rapeseed crop, drops in Poland and U.K.

Curbs on the use of neonicotinoid insecticides a major factor on British farms

HAMBURG/REUTERS

The European Union's rapeseed harvest will fall this summer with sharp drops expected in major producers Poland and Britain, say experts.

The EU 2016 crop of rapeseed, used for edible oil and biodiesel production, is likely to fall to between 21.2-21.5 million tonnes from 22.3 million tonnes last year, traders say.

"It looks like the EU will have a large import demand in the coming season," one German trader said.

France's Farm Ministry estimates the 2016 winter rapeseed crop at 5.1 million tonnes, down 3.7 per cent from 2015 and 2.0 per cent below the 2011-15 average.

Recent rain on mature French rapeseed was broadly beneficial, allowing crops to recover from



A blooming rapeseed field is seen beneath the French town of Villebois-Lavalette in April — recent rains have helped French farmers, but Polish and British production is expected to drop sharply.

PHOTO: REUTERS/PHIL NOBLE

strong pest attacks, said Fabien Lagarde from French oilseed institute Terres Inovia.

Harvesting has started in smaller production areas in southeast France and initial feedback was very positive, Lagarde said. He expects a harvest start in north France in about 10 days.

Germany's winter rapeseed harvest will rise 0.1 per cent to 5.05 million tonnes, farm co-operatives forecast. Sowed area was up 3.6 per cent on the year but national yields are likely to fall 2.7 per cent on the year, it said.

"Overall rapeseed came through the mild winter and recent rain

without major damage but it looks like yields will be down on the year," one German grains analyst said. "The recent rain was welcome in some areas which had seen a dry spring."

Britain is expected to harvest about 2.1 million tonnes, down 17 per cent from 2015, traders said,

following a cut in planted area and insect damage due to curbs on the use of neonicotinoid insecticides.

"We see the impact of the flea beetles and the area that has been lost but away from the east of England it is looking not too bad," said analyst Jack Watts of Britain's Agriculture and Horticulture Development Board.

Poland's harvest is forecast to plummet 24 per cent on the year to about 2.4 million tonnes after crops suffered from deep winter frosts and springtime dryness, said Wojtek Sabaranski of analysts Sparks Polska.

Polish yields are expected to fall nine per cent following the poor weather this season, Sabaranski said. The recent rain was welcome for parched Polish rapeseed but did not solve the dryness problem.

"In some regions it rained a lot, whereas in other regions soil moisture is still insufficient," he said.

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SUGAR IS SWEET FOR INCREASING GAIN

Cattle that consume forages with higher sugar content have higher rates of gain, improved performance, and better rumen health. In a Beef Cattle Research Council webinar, two forage experts give tips for increasing sugar content in forage, such as cutting forages in late afternoon as sugar content peaks 11 to 13 hours after sunrise and why it's better to move cows to new pastures in the afternoon instead of morning. They also discuss forage species with the highest sugar content (tall fescue and red clover) and the lowest (alfalfa). To view the webinar, go to www.beefresearch.ca, click on Webinars from the Resources pull-down menu, and then on How to Produce and Use Sweet Forages. — BCRC

VISITORS ON YOUR LAND

Alberta Beef Producers' wildlife committee has reviewed the Occupiers' Liability Act and posted its findings at www.albertabeef.org. Landowners must warn visitors of hazards and ensure the property is safe. If there's an injury or death, negligence needs to be shown and if the farmer was somehow negligent in communicating a situation on the farm, that can cause a problem. The act also says landowners are not allowed to charge hunters to use the land for hunting (even a gift of some meat is a type of payment), but can receive some compensation by renting accommodations. For more of the committee's findings, see the May 13 and June 17 editions of the *Grass Routes* newsletter. — ABP

LIVESTOCK

Proper stockmanship, the Bud Williams' way

If you want to build trust in your cattle, apply the right kind of pressure on them and learn to take two steps back

BY JENNIFER BLAIR
AF STAFF / CALGARY

'Cow whisperer' Bud Williams used to have a saying when he was working cattle: "Slow is fast and less is more."

Now, four years after his death, Bud's daughter and son-in-law are carrying on that tradition by teaching proper stockmanship — the Bud Williams' way.

"Cattlemen have been led to believe that the only way to work stock is with force and fear," said Richard McConnell, co-owner of Hand 'n Hand Livestock Solutions in Missouri.

"And I think that gives you a negative outcome for both the handlers and the stock you handle using those types of techniques.

"There's an easy way to work stock if you make them work for you."

Twenty years ago, McConnell never thought he could handle cattle the way he does now, sorting stock in the field without any panels.

"I would have said, 'You can't do that.' But I know now that you can do that because we do it all the time," said McConnell, who is married to Williams' daughter Tina — an experienced stockperson in her own right.

"It's something that comes with practice, patience, and experience — nothing else."

Proper stockmanship is livestock centred, behaviourally correct, psychologically oriented, ethical, and humane, said McConnell, who spoke at a stockmanship clinic near Red Deer in mid-June. But that doesn't mean you have to lose money on it.

"My No. 1 priority as a producer is to make a profit. If you're gaining more weight — a quarter- to a half-pound of gain a day — on these calves that are handled better, that's going to be profitable," he said. "Happy animals produce better and if we want a good result, then one of our main objectives should be to keep the animals happy."

In most cases, that starts with communication, said McConnell. And if you don't think your cows can talk to you, you're not listening hard enough.

"The stock are trying to tell you that they either like what you're doing or they don't like what you're doing," he said. "It becomes a communication and an understanding between you and the stock."

Cattle "immediately begin trying to communicate" once you step into the pen with them.

"Animals have a twitch of the ear or a



You may have the hat and the horse and the big old belt buckle — but that doesn't mean you need to handle cattle the cowboy way, say Tina Williams and Richard McConnell. PHOTOS: SUPPLIED

"If there's an easier, better way to get the job done than doing it the cowboy way, I'm all for it."

RICHARD MCCONNELL



Tina Williams and Richard McConnell have learned that less is more when handling cattle.

know what we're asking and they do it, we reward them by releasing that pressure.

"You have no idea how quickly this trains cattle and how quickly they pick it up."

Sometimes, though, that means you have to "swallow your pride" and learn to take two steps back.

"Backing up is so easy to do, but your body doesn't want to do it," said McConnell. "Our body is trained to keep pressuring and then pressure some more if they

don't go. But we've all seen the result of that."

Backing up accomplishes three things — it draws the animals toward the handler; it slows the animals down; and it relieves the pressure, allowing time for the handler to make adjustments.

"It's a wonderful tool to learn to take two steps back," he said. "It's the building blocks for how we're going to approach animals to get a positive response from them."

Cattle have several instincts that producers can learn to use to their benefit.

"If we apply those at the right time and the right place, in the right order, we get a good result," said McConnell.

"I want it to be easy. The less I have to do, the better I feel about it."

And in most cases, he added, that means abandoning the 'cowboy way' of using 'force and fear' in favour of a less-is-more approach.

"I know the cowboy way. We've all got hats and buckles and a Ford pickup. All those things are great. But if there's an easier, better way to get the job done than doing it the cowboy way, I'm all for it."

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BY ROY LEWIS, DVM

Hormone-free beef pros and cons

BEEF 911 ▶ There's a lot of confusion about these programs — here's a take from a veterinary perspective

With all the terms we are hearing in the beef industry — such as organic, natural, hormone free, sustainable — there is no doubt confusion even for you the producers trying to raise cattle to fit into these programs.

Most of these branded or niche programs are trying to differentiate themselves from the traditional ways of producing beef. If as a producer you are interested, get the actual details of the specific branded program and find out about the extra work in the form of record-keeping that is necessary. You also need to consider potential production losses and weigh that against the premium from that market. These programs definitely create extra input costs and there can be higher returns, but the key is the net profit at the end of the day.

There can be good as well as bad to all these programs and I will try — from a veterinary perspective — to point to some areas you need to watch. You as the producer have the final decision as to whether the marketing into the branded

program will benefit your herd and the bottom line.

Some more rigid programs are antibiotic free and that means just that. If antibiotics are used, that calf is out of the program. All medical treatments whether prophylactic, metaphylactic, or actual medical cases are usually considered the same. This eliminates all antibiotics in the feed as well as metaphylactic treatments we see given, for instance, to high-risk cattle entering the feedlot. There have been meat withdrawals established for all these products which producers adhere to so the product is still safe. The antibiotic-free programs cater to the public that perceives antibiotic usage as undesirable. Technically, all raised beef is free of antibiotics if proper withdrawals are recognized. The antibiotic-free requirement follows through to the packer so if any medication is needed, the calf again drops out of the program.

Animal welfare needs are addressed in these programs and things such as painkillers given at castration are often called for. These also have a withdrawal that must be adhered to. My one worry is: Will antibiotics get held off for a day or two extra to see if the

calf gets over the problem and will more deaths or chronic cases be created? Really only the individual producer would know if that has happened. When a calf drops out of an antibiotic-free program, they are marketed as a normal calf.

Some programs insist on a true preconditioning program — that means weaning for a minimum period of time (30 to 60 days is common). This of course has great benefits in the feedlot as calves on a good vaccination program and weaned for that length of time are much less likely to get sick. Also, by waiting the 60 days or longer, calves are gaining very well so this results in more pounds to sell. Shrink is minimized then on transport.

Speaking of transport, that can be a big win as with these branded programs calves are most often shipped directly to their final destination, minimizing extra transport costs and stress of going through an auction market. Both of these are great management wins.

In the old days the best returns for the cow-calf operator were generally to wean right off the cow with no vaccines or input costs incurred. From a health, stress, and shrink aspect, this is the

worse thing you could do to this young calf. These calves were considered by most veterinarians' standards high risk to ultra-high risk (depending on their weight and distance transported). Now there are electrolyte solutions which when given before shipping can minimize stress even more.

No added hormones primarily refers to no implanting, and must be looked at from an economic standpoint.

Every time a male calf is implanted after castration or a heifer calf implanted there are, without a doubt, extra gains created. All implants have a zero withdrawal for slaughter and so are very safe. Calves can receive implants up to four times up until slaughter. (This depends on how young calves are implanted and what size they are fed to.)

Every time an implant is not given, pounds of gain are lost. This is fine as long as the premiums in these hormone-free or no-added-hormones programs compensate for this loss. Some say that by not implanting you need an extra 20 per cent return in order to make up the net difference.

The branded programs have been good in as much

as producers' management has been heightened and specific vaccination programs implemented. In other ways, especially no added hormones, there are productivity losses. Again it is a question of whether the compensation is adequate as we know pounds of gain are being left on the table. But what if the rules keep getting more stringent and these programs don't become sustainable?

The removing of monensin and other ionophores — because they are considered an antibiotic — can really raise havoc if a coccidiosis outbreak ensues.

I hope this article objectively shows some of the pros and cons of the branded programs out there.

They all help to increase the profile of beef and expand markets. The future will tell how sustainable they are in the long term and whether there is the need to change requirements to reflect the best needs of the cattle and still get the producer the returns they deserve.

Roy Lewis is a large-animal veterinarian practising at the Westlock Veterinary Centre. His main interests are bovine reproduction and herd health.

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Get to know your pasture, says expert

Identify all the species, consider what works or can be utilized, encourage biodiversity, and keep litter at optimal levels

BY ALEXIS KIENLEN
AF STAFF/HALKIRK

When you manage your plants properly, you'll have healthier soil and animals.

This was the main message from provincial forage and beef specialist Karin Lindquist for attendees at the recent Grazing School for Women.

"To manage your plants, you need to know what plants you have," said Lindquist.

So get a good camera and some rangeland plant guides, she said.

"Range studies are primarily a lot about plant identification. You need to look at the whole system and the individual species that are present. You have to determine whether they are desirable or undesirable."

Younger plants are harder to identify, so it's best to do range assessments from June to August.

"There are a lot of forbs that are flowering and so it's a good time to do it," said Lindquist.

Get close and look for the differences in colours and textures, using your pictures to zoom in on details.

Forbs are non-herbaceous, woody plants that are not grasses. They can be identified by many of their characteristics, including



Identifying plants is easier if you take pictures because they allow you to zoom in on the details. On the left is cicer milk vetch and on the right is hairy wild rye. PHOTOS: KARIN LINDQUIST



flowers, colour, leaves and growth pattern.

"What's really interesting about forbs is that not only are you looking at the leaves and flowers, but you're also looking at how they are arranged on the stem," she said.

Like forbs, shrubs can also have leaves and flowers, but they have woody stems. There's a greater variety of forbs on the Prairies, but grasses are harder to identify. Grasses can be identified by their collar, seed head, height and root system.

All forage plants can be divided into desirable and undesirable species. Lindquist encouraged her audience to think about weeds as

plants with uses that haven't been identified yet. For example, some people think about thistle as a pest while others have trained their cattle to graze it.

Native plants can become undesirable, and can take over when there is no grazing, human disturbance, or fire.

"When you talk about undesirables, they have to be more than a weed," said Lindquist. "They have to be a species that is invasive and reduces pasture capability, like buckbrush, or they have to be poisonous to livestock."

A healthy pasture has both desirable plants like rough fescue, Kentucky bluegrass, and smooth

bromes, as well as weeds and undesirables. It's important to have biodiversity in the pasture, she said.

Healthy pastures have the right amount of litter content — too little means bare soil, more erosion, and less organic matter while too much reduces sunlight's ability to penetrate soil.

"When you have too much litter, it repels water and when you repel the water, it dries out the soil and that affects the community. You get a reduction in biodiversity."

Proper management of forages improves soil biology and fertility, reduces erosion, and increases organic matter — cre-



"When you're managing forages, you're not just managing for one thing. You're managing the whole system."

KARIN LINDQUIST



ating more habitat for wildlife and food for livestock.

"When you're managing forages, you're not just managing for one thing. You're managing the whole system," she said.

Ideally, animals should be grazed for 300 days using rotational grazing, proper animal units, and appropriate rest periods, she added.

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How to establish a fair price for standing hay

Buyers should pay by the ton, not the acre, and there should be 10 to 30 per cent allowance for weather risk

ALBERTA AGRICULTURE AND FORESTRY RELEASE

Determining a fair price for standing hay isn't an exact science, says a provincial farm business management specialist.

"Hay prices are difficult to establish as they are affected by a combination of factors such as spring inventory carry-over, pasture conditions, feed competitors, cutting date, quality, yield, and location," said Dean Dyck. "As we saw in 2015, hay supplies were low coming into the year and pasture conditions were poor. This caused hay to be in demand and prices rose substantially."

"Only after silage and green-feed crops were harvested did we see a softening in the price. This year, a mild winter allowed hay supplies to rebuild somewhat but pasture conditions were poor in the spring."

Current hay prices are less readily available than those for wheat, canola or barley, and there is often large regional variation in price. Typically, hay prices do not settle until about the end of October when hay, greenfeed, silage and salvaged cereal crops are harvested.

Current asking prices are available at www.agriculture.alberta.ca (click on the General Store tab and then Alberta Hay and Pasture Directory). Agriculture Financial Services Corporation also publishes historical price data (go to

www.afsc.ca and then click on Price Lists) at the bottom of the home page.

"Basic economic principles should factor into the pricing decision," said Dyck. "If you're the seller, the price should be based on the estimated market value of hay in the bale less the expected harvest costs (the cost to cut, bale and haul hay) and an allowance for weather risk. This weather risk would be at least 10 per cent for grass hay and as high as 30 per cent for alfalfa, reflecting the loss in nutritional value due to poor weather."

Buyers should compare the price of the bale of hay versus the cost savings of purchasing the crop standing in the field.

"Buying a standing crop can provide more quality control, the forage you want, and be from a location that minimizes the cost of transport."

Dyck recommends negotiating by the ton rather than by the acre because yields can be quite variable, even within fields or a local area.

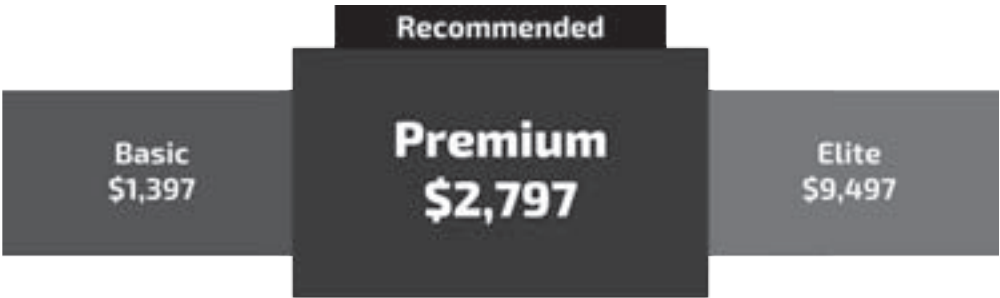
"Since estimation of yield is critical in finalizing the value, historical records are a starting point if they are available. Once the value is agreed upon, it's a good idea that the buyer pay one-half of the value at haying time and make the final payment in the fall when the yield is known and prices are more firmly established. Remember, the price is determined by the market, and not necessarily what we think it should be."

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MONSOONS FINALLY ARRIVE IN INDIA

They came late, but arrival of Indian monsoon rains has accelerated the planting of summer crops such as paddy rice, soybeans, cotton, and pulses. The June to September monsoon is crucial for farm output and economic growth in India, where just over half of arable land is fed by rain. Farming accounts for about 15 per cent of the country's \$2-trillion economy. Of its 1.3 billion population, more than 60 per cent of people in India depend on agriculture to eke out a living. By late June, the monsoon had covered all southern and eastern states and nearly the whole of Maharashtra, the biggest producer of sugar and second-biggest producer of cotton and soybeans. — Reuters

USING ‘DARK EARTHS’ TO COMBAT CLIMATE CHANGE

A farming technique practised for centuries in West Africa, which transforms nutrient-poor rainforest soil into fertile farmland, could combat climate change and revolutionize farming across the continent, say researchers. Adding kitchen waste and charcoal to tropical soil can turn it into fertile, black soil which traps carbon and reduces emissions of greenhouse gases into the atmosphere, according to a University of Sussex study. The soils produced by the 700-year-old practice, known as “African dark earths,” can triple the amount of carbon in soil. — Thomson Reuters Foundation

WEATHER



Clearing up the confusion about humidity

The term ‘relative humidity’ is commonly used, but most people don’t know what it means and why it’s misleading

BY DANIEL BEZTE

As we move into the heart of summer and with all this moisture around in many regions, I think it’s time to revisit one misunderstood concept — humidity. To be more specific, we are going to look at exactly what humidity is, how we measure it, and how it is reported and interpreted.

The simplest definition of humidity is the amount of water vapour in the air. The warmer the air, the greater the distance between air molecules and therefore, the greater the holding capacity of the air for water vapour. Conversely, when air is cooled, the distance between air molecules decreases, leaving less room for the air to hold water vapour.

Because of this relationship, warm air has the capacity to hold much more water than cold air. The question is: By how much?

If we look only at the water-holding capacity of air at different temperatures and measure the amount of water by its mass (weight), we would find that for every 10 C increase in temperature, the holding capacity of the air for water nearly doubles. For example, air at 0 C can hold almost four grams of water for every one kilogram of air. If we warm that air up to 10 C, it can hold nearly eight grams, and by 30 C that same kilogram of air would have the capacity to hold nearly 28 grams of water.

When humidity is measured this way it is referred to as specific humidity. While this is a useful way to measure humidity, it is not the way that we usually hear it reported.

The most common way in which humidity is reported is relative humidity. Unfortunately, it is probably one of the most misunderstood terms used in trying to describe the weather.

Relative humidity is a ratio of the amount of water vapour in the air compared to the maximum it could hold under those same conditions, and is expressed as a percentage. Taking one of the examples from above, if we had an air temperature of 10 C and had eight grams of water vapour per kilogram of air, our relative humidity would be 100 per cent, calculated as follows:

Actual amount of water vapour in the air (eight grams) / the holding capacity of the air at the current temperature (which at 10 C is about eight grams) multiplied by 100 equals 100 per cent.

Now, if this same air was warmed up to a temperature of 30 C and the amount of water vapour in the air didn’t change, our relative humidity would be around 29 per cent (eight times 28 multiplied by 100).

This is where the misunderstanding

begins to develop and where my pet peeve lies. When the air temperature was 10 C and the relative humidity was 100 per cent, people would say that it is humid out, but once the temperature has warmed up to 30 C and the relative humidity dropped to 29 per cent, people would say that it is very dry out. But in reality, the amount of water vapour in the air has not changed, only the temperature has. This is particularly noticeable on humid summer days. In the morning, when we have had temperatures in the 16 to 18 C range with relative humidities in the 100 per cent range, it’s humid out. By afternoon, with temperatures in the mid- to upper 20s, the relative humidity has dropped down to around 50 to 60 per cent and people now say it is dry out. But it’s not — it’s humid and the amount of water vapour in the air hasn’t changed.

A better way to measure humidity is by using the dew point temperature, which we simply refer to as the dew point.

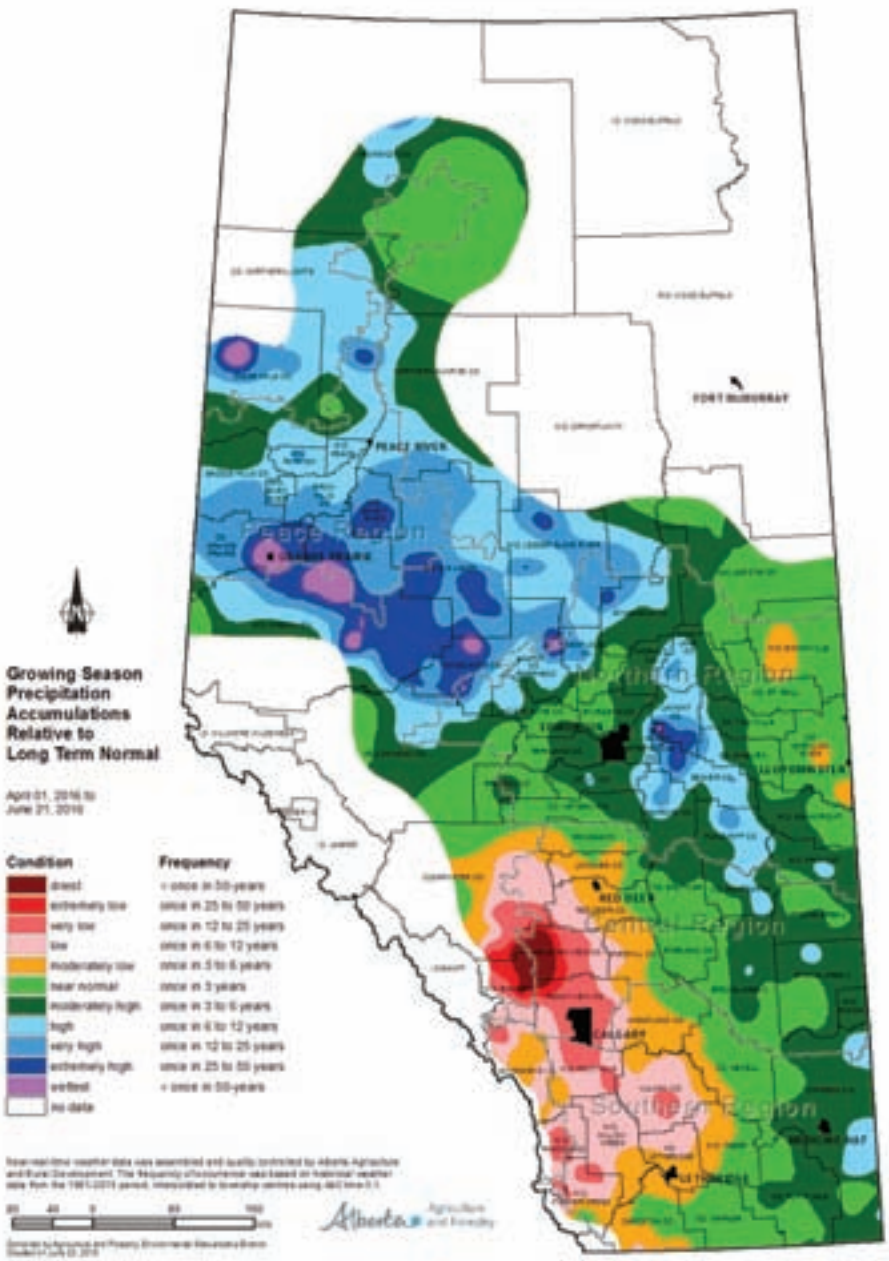
A better way to measure humidity is by using the dew point temperature, which we simply refer to as the dew point.

This measurement is a fairly simple way of telling us exactly how much moisture is in the air no matter how the temperature changes during the day. The dew point is the temperature that we would have to cool the air to in order for condensation (or dew) to begin forming. In other words, the temperature that the air would have to be to give us 100 per cent relative humidity. In our previous example, the dew point first thing in the morning would have been around 18 C, since the air was at its holding capacity. By the afternoon, even though the air had warmed up, the dew point would still have been around 18 C since no additional water vapour was added or removed from the air.

So, how does this relate to overall humidity?

If we have dew points that are less than 10 C, the atmosphere is considered to be fairly dry, while dew points in the 10 C to 15 C range are fairly comfortable. Once we get into the 15 C to 20 C range, the atmosphere is becoming fairly humid. Dew points more than 20 C are getting very humid, and it will start to feel very uncomfortable outside.

If the dew point goes over 25 C, the atmosphere is heavy with moisture and condi-



This map shows total precipitation in Alberta so far this growing season (up to June 21) compared to the long-term average. The Peace and northern regions have seen average to well-above-average amounts of precipitation so far this growing season. In the central and southern regions, eastern sections have seen near-average amounts while western regions have been dry to very dry.

tions will be very uncomfortable and can even be dangerous.

Let’s go back to relative humidity once more to pound home the difference between this and the dew point. If the dew point was 25 C we know it is very humid out no matter what the temperature is, but if the temperature was, let’s say 35 C, the relative humidity would only be about 55 per cent, and I could guarantee that at least one person would be saying that it’s not that humid out!

Across the Prairies we rarely get dew points above 25 C, but the Canadian

record did occur in Carman, Manitoba back in 2007 when the dew point hit an astonishing 30 C. We often have extended periods with dew points hovering in the low 20s. So remember, if it’s a hot summer day with dew points in the low 20s, even if the relative humidity is only 50 per cent — it is still humid out.

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

LEARN HOW TO GRADE YOUR GRAIN

The Making the Grade workshops will be held at Lakeland College in Vermilion on July 26. Experts will show producers how to grade barley, wheat, canola, and pulses in hands-on sessions.

"Understanding grain grading and factors affecting quality is important for all crop producers as it affects their bottom line," said Terry Young, a producer and member of the Western Grain Standards Committee's wheat subcommittee. The event — put on by the provincial wheat, barley, canola, and pulses commissions — cost \$75 until July 14 and \$100 after. To register, go to one of the commission's websites or to www.making-the-grade-2016.eventbrite.ca. — ACP

DUPONT



PIONEER

CROPS

Railways warned to get ready to move a big crop

Early estimates for a bumper — and possibly near-record — harvest are raising fears about a repeat of grain movement gridlock

BY ALLAN DAWSON
STAFF

The prospects of another bumper crop this year have western Canadian grain companies and farm leaders warning the railways to be ready.

They want to avoid a repeat of the colossal and costly backlog of 2013-14 when crop production set a new record by a large margin.

"We know it's going to be a big crop and the grain companies are doing everything possible to be ready for it," said Wade Sobkovich, executive director of the Western Grain Elevator Association.

"This year's crop, based on the probabilities, is going to be higher than average. If we run into a problem, it is going to be for the same reasons we ran into a problem in 2013-14. Nothing has changed in a significant way to the policy environment or the competitive environment to require the railways to do anything different and they will be the bottleneck."

Based on estimates from its six member companies — which collectively handle 90 per cent of the West's grain — the association forecasts a 68.6-million-tonne harvest (with a range of 63.3 million to 74.1 million tonnes). The low estimate would exceed the five-year average of 61 million tonnes and the high would challenge the 2013 record of 76 million tonnes.

"These numbers have been

communicated to the railways and the federal government," said Sobkovich.

The Agricultural Producers Association of Saskatchewan is also urging rail readiness, president Norm Hall said.

"Three years ago the railroads used the excuse, 'Well, we didn't know a big crop was coming,'" he said.

Crops look good in Saskatchewan and right across the West, Hall said. But he's worried as there have been reports of layoffs at the railways and leasing agreements sending cars and locomotives to U.S. railways.

However, the vice-chair of the Alberta Wheat Commission says the farmers he's talked to aren't worried about a repeat of grain movement gridlock just yet.

"It's still early," said Kevin Bender, who farms near Sylvan Lake. "At this point, I haven't really heard too many concerns about a potentially big crop."

A drop in rail shipments of crude oil and other commodities might "free up some space for grain to move," he said.

But there are logistical issues when it comes to getting the Prairie crop to port, he added.

"If we end up with another mild winter, then things should move relatively well. If we end up with a cold, really heavily snowy winter, then we could face some issues."

The railways blamed the 2013-14 backlog, which cost grain companies and farmers billions of dollars in lost revenue, on the combina-

tion of a record crop and the coldest winter in 100 years.

Captive market

But Sobkovich's association says the problem is the railways have no incentive to invest in surge capacity. Because grain shippers are captive, the railways know they can move grain later when there is capacity, the association argues, and that's why there needs to be penalties when the railways fail to deliver the service they've promised.

However, the railways say they are ready to move this year's crop.

"Canadian Pacific is well positioned to provide best-in-class service to western Canadian grain shippers during the 2016-17 crop year," spokesman Jeremy Berry said in an email.

"CP continues to invest in its network to improve efficiency, create velocity, and provide the best service possible to customers."

Shippers can manage their rail service through CP's Dedicated Train Program, which CP expects to soon expand, Berry said. Those who move less grain than a unit train can use CP's Open Distribution program, which allows them to submit orders for four weeks. As orders are filled, new orders can be placed.

"CN is communicating with its grain customers to understand the requirements associated with the transportation of the coming grain crop in Western Canada," CN Rail spokesman Mark Hallman said in an email. "Moving a crop suc-



"If we end up with another mild winter, then things should move relatively well. If we end up with a cold, really heavily snowy winter, then we could face some issues."

KEVIN BENDER

cessfully requires a high level of performance by all supply chain participants."

Neither railway answered questions on staff layoffs or leased-out equipment.

Berry noted CP has been moving

SEE RAILWAYS ▶ page 18

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Equipment sales and farm cash receipts are directly connected, says FCC report

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Be skeptical about claims about ‘miracle’ fertilizers

Fertilizers no longer have to be proven effective in order to be registered

ALBERTA AGRICULTURE AND FORESTRY RELEASE

Producers should be wary of unproven claims about fertilizer performance, says a provincial crop specialist.

“In agriculture, there’s no shortage of products that guarantee tremendous response for relatively low cost,” said Harry Brook. “Often, these products overpromise and underdeliver. A few years ago, the federal government changed requirements for fertilizer registration so that they only have to be proven safe, and not necessarily effective. This opened the door to many of these ‘miracle’ products.”

There are a number of warning flags to look for when it comes to claims about benefits.

“One of the most obvious is when the product’s claims are supported by user testimonials rather than by scientific results,” said Brook. “No details are then provided to back up the claims of the quoted users.”

Another sign to be wary of is the use of charts or bar graphs that highlight only the top part of the graph to exaggerate the actual difference between treatments.

“These rarely mention if the



The only way to judge fertilizer claims is increased yield – not by testimonials or unsubstantiated claims, says a provincial crop specialist. PHOTO: THINKSTOCK

difference is significant or how trials were conducted. There is no explanation if the results are repeatable, or any indication as to how reliable the information is. No background or statistical measures are provided to support the graphs. If you are put-

ting good money into a product, you want more than a five per cent chance of it actually making a difference.”

Also watch for research claims taken out of context.

“It’s easy to take some research results from one part of the world

and transpose them on another,” said Brook. “For example, someone could try and take research on fertilizers on soils where farming has been going on for centuries to justify the use of products on soils that have been farmed for a century or less.

“It’s easy to take some research results from one part of the world and transpose them on another.”

HARRY BROOK

“The soil-forming processes for the areas can make radically different soils with different characteristics and nutrient levels.”

Always question the claims and if interested in a product, try a strip trial.

“Keep track of where the treated strips are and monitor those strips and then measure the results. Don’t go by colour or appearance, but look at the yield as you don’t get paid for anything else. For example, it is well known spraying iron on a crop will get it to turn dark green. It doesn’t necessarily translate into yield, but it does make a noticeable visual difference for a while.

“However, if it doesn’t add any extra yield, why do it?”



Protect your investment from the elements.

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Early, frequent fungicide applications can be a waste

Cereal pathologist Myriam Fernandez says it can also encourage more kernel diseases such as black point

BY ALLAN DAWSON
STAFF

Farmers can be a little too ready to pull out the sprayer and apply fungicides — and may be doing more harm than good.

When there's little or no leaf disease present in a field, those early applications are an expense for no benefit and could do more harm by encouraging other diseases such as black point, says Myriam Fernandez, a cereal pathologist with Agriculture and Agri-Food Canada.

"You are wasting your time, you are wasting money and you may be causing further problems along the way," said Fernandez, who works at the Swift Current Research and Development Centre.

She was speaking about research she and colleague Bill May conducted between 2001 and 2006 that was recently highlighted in an online publication.

"The effect of the fungicide does not carry over to later growth stages. So if you apply it early on I'm sorry, you're going to have to apply it later again (if the infection warrants it)."

However, that doesn't mean there aren't times when an early fungicide application to battle leaf spots is warranted, Fernandez added. There's no formal leaf spot threshold, but spraying should be considered if more than five per cent of the penultimate leaves (the last leaf before the flag leaf emerges) are infected, she said.

"If you only have the odd spot then it is not worth spraying because all (wheat) seedlings are going to have some spots because that is just the nature of the beast," Fernandez said.

"If you have a lot of leaf spotting — it is happening this year in a lot of places — at the seedling stage and later on, then yes, go ahead (and spray)."

Early doesn't work

Their research was done on durum wheat, but Fernandez said the same principle likely applies to spring and winter wheat.

"You have companies pushing for early application at the seedling stage and a little bit later," Fernandez said. "The message we want to get across is, based on our studies, it doesn't work. There have been studies done in the U.S. and other places too. It doesn't work. And one of the reasons it doesn't work... is economics. I haven't seen a single study honestly that shows double applications of fungicides and early applications, et cetera, result in an economic benefit because it doesn't."

Farmers shouldn't rely just on fungicides, but also use other agronomic tools to reduce the disease threats, including growing disease-resistant varieties and rotating crops, Fernandez said.

Using fungicides at the wrong time or when unnecessary just speeds up the selection of fungicide-resistant pathogens, she warned.

"We know what kind of trouble



Agriculture and Agri-Food Canada research shows early fungicide applications aimed at protecting wheat from leaf spot diseases doesn't provide any benefit when infection is light and can do more harm than good. PHOTO: SASKATCHEWAN MINISTRY OF AGRICULTURE

we are in right now with a lot of herbicide resistance," Fernandez added.

Monitoring crops is important too. If leaf spot diseases are at low levels, farmers might be able to wait until they spray at the early-flowering stage to suppress fusarium head blight, a fungal disease that cuts yield and quality.

"Any application earlier than flag leaf we showed that it could be detrimental and it is not worth it," Fernandez said. "But also people need to remember the leaf that

contributes most to yield is the flag leaf. So what you need to do is protect the flag leaf therefore you need to apply it at flag-leaf emergence."

Mixed results

Fernandez and May looked at the impact of single and double fungicide applications at flag-leaf emergence and the flowering stage. They found applying fungicides boosted yield, but also caused more black point and red smudge, resulting in lower grades.

A single and double fungicide application increased yields by 4.3 and 8.5 per cent, respectively. However, an application at either flag-leaf elongation or flowering showed a 47 per cent increase in black point versus no fungicide use. The incidence jumped by 76 per cent for double applications.

Red smudge increased by 17 and 57 per cent with a single and double fungicide application, respectively.

Fernandez has some theories why yields and kernel diseases increased with early and frequent fungicide use. Applying a fungicide results in bigger kernels, hence more yield. Bigger kernels push out the glumes around the kernel.

"When you do that it's fair game for any pathogen in the air to infect the crop so it is less protected in a way," she said.

"The fungicide could also kill the good guys — the organisms on the glume surface that are protecting the kernel."

Fungicides are an effective tool for controlling leaf spots in wheat, but farmers need to know when to use them, Fernandez said.

"We are not telling people 'do not apply the fungicide,' but be aware of what the consequences are," she said. "Just because you bought the fungicide cheap or you have a fancy sprayer you want to use that's not a reason. And then there is the issue of fungicide resistance that we are all worried about."

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Mexico opens the doors to over-30-month Canadian beef

Deal could see Canadian beef exports to Mexico grow to more than \$250 million yearly, says CCA

STAFF AND REUTERS

Canada and Mexico have agreed to settle a pair of protracted bilateral disputes — Canada would scrap rules obliging Mexican visitors to obtain visas while Mexico would allow expanded imports of Canadian beef starting in October.

The Oct. 1 effective date is particularly important in terms of timing as it provides producers with an expanded export opportunity for over-30-month (OTM) beef, said Dan Darling, president of the Canadian Cattlemen's Association.

"The months of October and November are traditionally the time of year when Canadian

beef farmers send most of their mature breeding cows to market," Darling said in a press release. "Mexico has traditionally been an excellent market for Canadian beef. In addition to expanded access for OTM beef, we look forward to potential future opportunities that today's announcement of fully restored access for Canada for all beef and beef products, regardless of the age of the cattle, will bring."

Mexico closed its border to Canadian beef in May 2003 when Canada discovered its first domestic case of BSE. Mexico reopened to beef from cattle under 30 months (UTM) of age later that year, but remained closed to beef from OTM cattle and some UTM offal.

The agreement marks the removal of one of the few remaining BSE trade restrictions in the world and that will help instil confidence in Canadian beef producers to grow their herds, Darling said.

"When our production increases to previous levels, I believe that Mexico could again import more than \$250 million per year like it used to," he said.

The restriction that requires visitors from Mexico to have a visa dates back to 2009, when the former Conservative government became concerned about what it said were a rising number of bogus asylum claims by Mexican visitors.

Prime Minister Justin Trudeau and President Enrique Peña Nieto both stressed their desire

to deepen ties between the two nations, which along with the United States are members of the North American Free Trade Agreement. Both countries send the vast majority of their exports to their powerful neighbour.

But the future of NAFTA could be uncertain after the U.S. election, which looks set to pit Republican Donald Trump against Democrat Hillary Clinton. Trump says he wants to tear up or renegotiate the deal while Clinton has taken a populist tack on free trade during her campaign. Trudeau said the importance of ties between Canada and Mexico could not be overstated.

"It is my hope that through meetings like this one, we will be able to further strengthen that

relationship in the years ahead," Trudeau said.

Canadian officials say privately that the two nations have not done enough to develop commercial and political ties or explain the benefits of free trade to their citizens. Peña Nieto, making the first state visit by a Mexican president to Canada for 15 years, said the two nations had created a working group to study how to deepen relations.

Trudeau said he and Peña Nieto had talked briefly about the U.S. election and agreed on the need to work with the new president.

"We will engage... in a positive, thoughtful collaborative way that understands the importance of the North American tri-lateral relationship," he said.

IN BRIEF

Pair of organic field days on offer

Organic Alberta and the Prairie Organic Grain Initiative will be hosting two field days on organic grain and field crop production.

On July 11, there will be a tour of Agriculture and Agri-Food Canada's Lethbridge Research Station and Leffer's Organic Farm. Federal researchers will talk about weed biocontrol, integrated pest management, soil health, and nutrient management. The operators of Leffer's Organic Farm will discuss their diverse crop rotations and use of green manures for both weed control and fertility.

On July 14, there will be a number of presentations on organic grain production at Newell's Organic Farm near Radway. Charles Newell will share innovative ways to build soil fertility and manage weeds while University of Manitoba agronomy professor, Martin Entz will discuss nutrient management. There will also be presentations on green manure management, livestock integration, and equipment demonstrations.

Both events cost \$25 and include lunch. For more information or to register, contact Tierra at info@organicalberta.org or 587-521-2400. — *Organic Alberta*



PHOTO: THINKSTOCK

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‘Veil of uncertainty’ shrouds Port of Churchill grain season

Sale of the port is still not finalized and that’s likely weighing against the facility’s success, supporters say

BY PHIL FRANZ-WARKENTIN
COMMODITY NEWS SERVICE CANADA

The Port of Churchill is facing an uncertain grain-shipping season, as ownership of the Hudson Bay facility is still up in the air months after the current owners, OmniTrax, announced plans to sell the port and railway that services it.

Colorado-based OmniTrax announced in late 2015 that it had accepted a letter of intent from a group of First Nations communities to purchase its northern Manitoba assets. However, that deal is still not finalized, and the negotiations have been complicated by an OmniTrax court case against the Manitoba provincial government as well as by protests from some members of the First Nations involved in the purchase offer.

“The veil of uncertainty certainly hovers over the rail line and port,” said Sinclair Harrison, past president of the Hudson Bay Route Association and a Saskatchewan-based farmer.

Canada’s only Arctic port saw 184,600 tonnes of grain move through it during the 2015 shipping season, which was well off the average of 500,000 tonnes. Harrison estimated that the port could easily handle one million tonnes in its current state, if the will was there.

However, “it’s tough to do business when you don’t know who the owners will be,” added Manitoba farmer Elden Boon, current president of the Hudson Bay Route Association. He said it was



PHOTO: ANSGAR WALK/CREATIVE COMMONS

“It’s tough to do business when you don’t know who the owners will be.”

ELDEN BOON
HUDSON BAY ROUTE ASSOCIATION



hard to get any information out of OmniTrax.

“It’s frustrating for the whole Hudson Bay supply chain,” said

Boon, adding that “it will have a negative impact on shipments.”

Boon was hopeful that something would come together over the next few months, but was also “not holding (his) breath.”

The Port of Churchill is a small player in the bigger transportation picture, but Boon saw many benefits of maintaining the infrastructure. In addition to being the shortest distance to tidewater for farmers in the catchment area, he also saw opportunities to service niche markets that may not fit with Canada’s larger ports. Boon said there were also many plans for imports, exports, and diversification beyond

grain through the port that have been talked about for years, but now need credible ownership in order to move forward.

“We need to build on this infrastructure, not try and do away with it,” said Boon.

Chief Arlen Dumas, of Mathias Colomb First Nation, north of The Pas, spearheaded the purchase offer which now includes 12 northern communities. The band already has ownership in the Keewatin Railway Company running between The Pas and Pukatawagan.

“We’re still in talks and in the process of negotiations on mov-

ing forward on the deal,” said Dumas, adding it was too early to discuss specifics while the negotiations were underway.

A program put in place by the federal government will provide subsidies for grain moving through the port this season of \$12 per tonne, up from \$9 the previous year as there was money left over from the 2015 pool. That program will run out in 2017, but the Hudson Bay Route Association and others are advocating for an extension.

OmniTrax officials did not respond to repeated requests for comment.



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This tenacious invader is hard to defeat

BY NORMAND BOULET
AGRICULTURAL FIELDMAN, M.D.
OF SMOKY RIVER



Lovely to look at, but White cockle is highly invasive. PHOTO: NICOLE KIMMEL

White cockle has strikingly lovely white flowers and the fuzzy, almost furry opposite leaves give it a distinctive appearance.

It is a member of the Pink family—it looks like pinking shears gave the five petals their deep notches. The Pink family includes chickweed and night flowering catchfly—catchfly is often mistaken for White cockle, but is much stickier and only blooms at dawn, dusk, and on overcast days.

White cockle has male and female plants, both are about one metre high with oblong, pointy leaves emerging across from each other (opposite) from swollen nodes. The lower leaves are stalkless while the upper ones are stalkless. This weed can act as an annual, biennial, winter annual, or even a short-lived perennial, allowing it to adapt to any type of crop or habitat.

Often a problem in hay and pasture (but also in annual crops), it produces seed extremely quickly and the seed is similar in size to many forages (clover, alfalfa, timothy). So always ask for the Certificate

of Seed Analysis when buying forage seed and reject any lot with this (or any) invasive weed.

Although spread only by seed, its massive root system keeps the plant alive through difficult conditions, robbing the soil of moisture and nutrients. Hand-picking is almost fruitless, and tillage can “transplant” the roots if the root system isn’t destroyed.

Although White cockle is an introduced species, it can be found throughout Alberta. Check out the Weed Survey maps under the “Maps and Multimedia” section of the Alberta Agriculture and Forestry website.

For more information on this or any invasive plant, contact your local Agricultural Fieldman (www.aaaf.ab.ca) or the Alberta Invasive Species Council (www.abinvasives.ca).

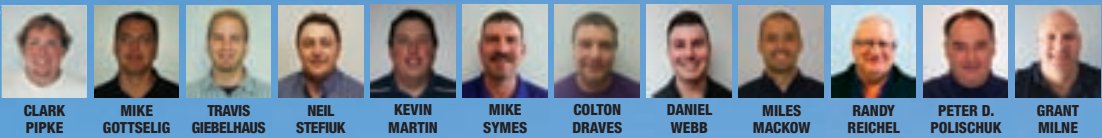


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COMBINES

NH TR96, 1990, 3090, P.U., chopper, Singles, AS IS	\$9,900
NH TR98/971, 1997, 3500/2500, 13' SW, stone trap, chaff spreader, chopper, Singles	\$19,000
NH TX66, 1999, 3140/2427, P.U., chopper, chaff spreader, Singles, AS IS	\$19,000
JD 9770STS, 2009, 1623/994, 615P, duals, long auger, chopper, GPS, Singles	\$199,900
NH CR960, 2003, 1975/1405, 14' SW, Singles, 2 speed rotors, dlx Chop, moisture sensor	\$92,000
NH CR960, 2005, 1998/1437, 14' SW, Singles, dlx cab, dlx chopper, single speed rotors, beacons, Y&M, Reconditioned	\$99,900
NH CR960, 2003, 2191/1612, 14' SW, Singles, dlx chopper, moisture sensor, Reconditioned.....	\$115,000
NH CR970, 2004, 2388/1767, 14' SW., Dlx Chopper, Singles	\$125,000
NH CR970, 2004, 2058/1558, 14' Rake Up, Singles, dlx chopper, dlx cab, Long Auger	\$129,000
JD 9860STS, 2005, 2810/1935, 615 P.U., Bullet Rotor, GPS Ready, Chopper, Hopper Ext, Singles	\$129,000
NH CR970, 2005, 2010/1488, 14' SW, Singles, deluxe chopper, moisture sensor, Reconditioned	\$137,000
NH CR960, 2009, 1878/1433, 14' SW, Singles, deluxe chopper, LCTS, HID lights, Waas Rec.	\$155,000
NH CR970, 2008, 1991/1480, 14' Rake up, Singles, deluxe chopper, dlx cab, Long Auger, Elec Mirrors, LCTS, yield monitor,	\$165,000
NH CR970, 2009, 1545/1145, 14' SW., Duals, Redekop chopper, Michel's Cover, diff lock, Elec Mirror, LCTS, Reconditioned	\$190,000
NH CR960, 2010, 747/491, 14' SW, Singles,	\$193,000
NH CR970, 2009, 1973/1528, 16', Michel's Cover, duals, diff lock, Deluxe Chopper	\$195,000
NH CR9080, 2010, 1580/1278, 790CP, Duals, Dlx Cab, SCTS, Pwr Mirrors, Deluxe Chopper.	\$205,000
NH CR9080, 2009, 1162/822, 790CP, Singles, long auger, dlx chopper, diff lock	\$226,000
NH CR970, 2011, 1049/877, 790CP, Singles, Dlx Chopper, HID, Diff Lock, Full GPS, LCTS.....	\$245,000
NH CR970, 2011, 920/723, 16' SW, dlx chopper, Singles, long auger, diff lock, intellisteer ready, Y&M, SCTS.	\$249,000
NH CR970, 2011, 874/708, 790CP Singles, Dlx Chopper, Dlx Cab, Pwr mirrors, diff lock, LCTS	\$249,000
NH CR970, 2011, 1229/878, 14' SW p.u., Duals, Dlx Cab, Dlx Chopper, Full GPS	\$250,000
NH CR970, 2011, 883/715, 790CP, Duals, Dlx Chopper, Full GPS	\$255,000
NH CR970, 2011, 1010/, 790CP, singles, diff lock, HID, long auger, Dlx Chopper, Elec Mirrors, Air Comp,	\$256,000
NH CR970, 2011, 942/622, 790CP, duals, GPS, diff lock, HID, Y&M, Michels cover	\$258,000
NH CR970, 2011, 753/572, 790CP, singles, diff lock, dlx chopper, electric mirrors, HID, long auger, Full GPS	\$262,000

NH CR9065, 2011, 502/348, 790CP, dlx cab, dlx chopper, Duals, LCTS, HID, GPS ready, pwr mirrors, ASP, long auger, terrain tracer,	\$275,000
NH CR8090, 2012, 968/728, 790CP, dlx cab, dlx chopper, Singles, LCTS, HID, GPS ready, pwr mirrors, ASP	\$283,000
NH CR8090, 2013, 935/670, 790CP, 900 singles, DSP, diff lock, dlx chopper, HID	\$305,000
NH CR8090, 2012, 834/595, 790CP, duals, diff lock, dlx chopper, HID, leather, DSP w/ kit, GPS complete, incab covers	\$328,000
NH CR9090Z, 2012, 841/636, 790CP, Duals, Opti Spread chopper, diff lock, Elec Covers, Intellicruise, Full GPS, Lux Cab, Leather Seat.....	\$359,000
NH CX840, 2003, 2630/1920, 14' SW, Deluxe Chopper, Chaff Blower, Y & M, Remote Sieve Adj., Singles, Beacons, Reconditioned	\$110,000
NH CX840, 2003, 2155/1660, 14' Rake Up, Dlx Chopper, Chaff Blower, Y & M, Remote Sieve Adj., Singles, Beacons, Reconditioned	\$115,000

NH CX840, 2004, 1804/1473, 14'SW, Singles, Dlx Chopper, Y & M, Chaff Blower, Beacons, Remote sieve adj.,, Reconditioned, Reman Engine.	\$120,000
NH CX8080, 2011, 950/763, 790CP, Singles Dlx Chopper, SCTS, Diff Lock, Chaff Spreader, HID Lights, Beacons, Reconditioned	\$259,000
NH CX8080, 2014, 443/325, 790CP, Singles, Full GPS, dlx chopper, HID, cast drum, Reconditioned	\$325,000
NH CX8080, 2014, 634/454, 790CP, Singles, GPS ready, dlx chopper, HID, cast drum	\$335,000

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NH HB30, 2005, , 30', SK, Transport	\$9,900
HB WS30, 2006, , 30', DK, HCC reel, transport, came off of JD 4895.	\$16,000
MACDON 9300, 1997, 2559, 30' SK, Guage Wheels, Turbo, 2 Speed	\$32,000
MF 220, 1998, 2500, 26', SK, Ull p/u reel, roto shears, Reconditioned	\$33,000
NH HB30, 2012, , 30', DK, Ull reel, transport, came off of H8060.	\$39,000
MACDON 4952i, 2004, 2855, 25', pick-up reel, swath roller, SK, 19.5L-24 front tires	\$49,000
MACDON 4952C, 2003, 2810, 25', pick-up reel, swath roller, DK, 500/70R24 front tires	\$49,000
MF 9220, 2008, 380, 25', SK, Ull reel,	\$59,000
MACDON 9352, 2002, 1432/1065, 25', SK, DS, Guage Wheels	\$62,500
MACDON 4952i, 2005, 1934, 30', DK, UCA, Hyd F&A, Triple Del, Turbo, Large Tires	\$64,000
MACDON 9352i, 2005, 1677/1333, 30', split reel	\$65,000
MACDON 9352i, 2006, 1250/950, 30ft, SK, gauge wheels	\$69,000
MF 9435, 2009, 1267, 30', SK, Ull Reel.	\$72,000
MACDON M150, 2011, 920, Traction Unit Only	\$72,500
JD 4895, 2009, 1045, 25',	\$73,000
NH H8040, 2008, 1200, 25', SK, transport, Hyd F & A, Dlx Cab, Elec Mirrors,	\$79,000
MF 9430, 2010, 1285, 25', p/u reel, elec F&A, guage wheels, SK	\$79,000
MF 9435, 2011, 669, 25', p/u reel, topcon GPS	\$83,000
MF 9435, 2011, 974, 30', 5200 Header, SK, Elec Fore & Aft, Triple Del.....	\$89,000
CASE WD1203, 2010, 380, 30', DK, elec mirrors, cab & rear axle suspension	\$92,000
MACDON M150, 2009, 1343/1003, 30, sk, pick-up reel, transport, D60 s/n: 187220-09 (7186-2)	\$109,000
MF WR9740, 2013, 325/176, 36', SK, Susp Cab & Axle, 21mph speed.....	\$109,000
MF WR9740, 2012, 544, 25' Draper, roto shears, Ull Reel, guage Wheels, GPS, hyd roller, 9126 Auger header	\$134,000
MACDON M205, 2012, 906/697, 30', DK, stabilizer wheels	\$139,000
MACDON M205, 2012, 977/268, 30', DK, stabilizer wheels	\$139,000
MACDON M155, 2013, 697, 35', SK, Transport, Hyd F & A, FF Hyd swath roller, 600 tires,	\$139,000
MACDON M205, 2011, 546, 35', DK, Transport, UCA	\$149,000
MF WR9770, 2012, 475, 25' Draper, roto shears, Ull Reel, guage Wheels, GPS, hyd roller, 9195 Disc header	\$159,000

EQUIPMENT BUILT NEW HOLLAND SMART.

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IHC TRACTORS: W30, Farmall H, WD9, good tin/rubber; KB5 (1940's) IHC truck. 780-674-2440, 780-305-4106 Barrhead AB

RESTORED ANTIQUE TRACTORS: Cockshutt 20, JD's 420 Hi-crop, M, MN single wheel, BW 32" tires, H hand start. Call 403-660-8588, Calgary, AB.

ADRIAN'S MAGNETO SERVICE. Guaranteed repairs on mags and ignitors. Repairs. Parts. Sales. 204-326-6497. Box 21232, Steinbach, MB. R5G 1S5.

1929 FORDSON TRACTOR, \$1500; Co-op 3 and Cockshutt #30, \$1800 each; Farmall cultivation A and B, \$2000 each; JD H, restored, \$5000; 1929 JD D, \$1500; 1928 Ford Model A 2 door sedan, restored, \$10,000; Approx. 100 gas engines 1.5 to 6 HP restored. 306-634-9326, Macoun, SK.

JD 2 CYL. TRACTORS: 630 std.; 630 all fuel; 820 black dash. All restored with new rubber. 780-850-6120, Ardrossan, AB.

ANTIQUE VEHICLES 0705

1958 CHEV 31 Apache 1/2 ton, Stepside, shortbox, 3 spd 6 cyl., \$2600; 1958 Meteor 4 door car, 3 spd. 6 cyl., stored inside, \$2700. Call 306-634-9326, Eston, SK.

40 YEAR GEM! 1976 Mercury Grand Marquis, low miles, 1 owner. Only reasonable offers considered. For more info. call 306-296-4527, 306-293-7777, Frontier, SK

1966 FORD THUNDERBIRD convertible, 390 V8 automatic, stored inside. Call for details 306-259-4430, Young, SK.

WANTED: VW 36 HP air cooled motor, preferably not seized. Call 306-549-4073, Hafford, SK.

ANTIQUE MISC. 0710

WANTED: TRACTOR MANUALS, sales brochures, tractor catalog. 306-373-8012, Saskatoon, SK.

ANNOUNCEMENTS 0200

AUCTION SALES 0900

AUCTION SALE FOR Estate of Sophia Liss, Rose Valley, SK., Sunday, August 21/16, 9:30 AM. Includes 2 quarters land, buildings, machinery, household and antiques. RM #367 Ponaass Lake. View: www.ukrainetzauction.com PL 915851.

ACREAGE BY AUCTION, Swan Plain, SK. Sunday, July 17, 10:00 AM. 12.5 acres, incl. house, sheds, fenced. 5 mi. to the forest, 2 miles to the Swan River. Exc. location. Hunting paradise. PL #915851. www.ukrainetzauction.com for details.

AUTO/TRANSPORT

AUTO SERVICE/REPAIRS 1050

ALLISON TRANSMISSIONS Service, Sales and Parts. Exchange or custom rebuilds available. Competitive warranty. Spectrum Industrial Automatics Ltd., 1-877-321-7732. www.siautomatics.com

AUTO/TRUCK PARTS 1100

WRECKING VOLVO TRUCKS: Misc. axles and parts. Also tandem trailer suspension axles. Call 306-539-4642, Regina, 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.

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.

TRUCK PARTS: 1/2 to 3 ton. We ship anywhere. Phoenix Auto, 1-877-585-2300, Lucky Lake, SK.

TRUCK BONEYARD INC. Specializing in obsolete parts, all makes. Trucks bought for wrecking. 306-771-2295, Balgonie, SK.

VS TRUCK WORKS Inc. Parting out GM 1/2 and 1 ton trucks. Call 403-972-3879, Alsask, SK. www.vstruckworks.com

1980 GMC 7000 tandem truck, 427 engine, 584 trans., 20T hoist, 10 new tires, offers. Call 780-581-8151, Vermilion, AB.

WRECKING SEMI-TRUCKS, lots of parts. Call Yellowhead Traders. 306-896-2882, Churchbridge, SK.

ANNOUNCEMENTS 0200

BUSES 1300

SCHOOL BUSES: 19 to 66 pass.; 1986 to 2007. \$3400 and up. Phoenix Auto, Lucky Lake, SK. 1-877-585-2300. DL #320074.

CARS 1400

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

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

2012 FIAT 500 Pop, 27,000 kms, \$8995. Call 1-800-667-4414, Wynyard, SK. www.thoens.com DL #909250.

TRAILERS

GRAIN TRAILERS 1505

2013 WILSON TRI-AXLE grain trailer, 3 hopper, black in color, 24.5 rubber, \$55,000. 306-741-7743, Swift Current, SK.

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.

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

2006 LODE-KING SUPER B's, steel wall, alum. slopes, SS round fenders, air ride, exc. tires, no caps, new front tarp, top quality repaint job, dual cranks, safetied June 2016, \$46,500. 306-228-8296, Unity, SK.

2012 CANCADE 45' tridem grain trailer, \$46,000; 1980 Muvall equipment trailer, fresh safety, \$28,000. Can-Am Truck Export Ltd, 1-800-938-3323, Delisle, SK.

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.

Memory assistance.

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ANNOUNCEMENTS 0200

LIVESTOCK TRAILERS 1510



2016 FEATHERLITE 8127, stock #41286, 7'x24' all alum. stock trailer, 2 gates, 3 comp. Special, one only, Red Deer only. Our price \$26,400. Call 1-866-346-3148 or shop online 24/7 at allandale.com

Misc. Trailers 1515



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

48' STEPDECK TRAILER, tandem axle, air ride, new safety, real nice cond., asking \$16,000. 306-563-8765, Canora, SK.

TOPGUN TRAILER SALES "For those who demand the best." **PRECISION AND AGASSIZ TRAILERS** (flatdecks, end dumps, enclosed cargo). 1-855-245-0199, Moose Jaw, SK. www.topguntrailersales.ca

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

100 MISC SEMI TRAILER flat decks, step decks, 15 heavy low beds. Phone 306-222-2413 www.trailerguy.ca Saskatoon.

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

48' STEPDECK HAY trailer, good condition, \$5000. 306-634-7920, 306-421-1753, Estevan, SK.

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

31' AGSHIELD GOOSENECK self-unloading hay trailer, 12 bale. 403-599-3790, Milo, AB.

NEW 2017 STEPDECK BEAVERTAIL 48' tandem axle trailer, low pro 22" tires, \$32,990. Call 306-563-8765, Canora, SK.

30' PJ PINTLE HITCH trailer, flip ramps, tandem duals, 24,000 lb rating, like new, 1500 kms only, \$10,500. 403-823-1894, Drumheller, AB.

TRUCKS

NEWEST TO OLDEST 1595

2016 RAM 1500 EcoDiesel 4x4 Qcab, \$36,999; 2013 Ram Laramie Crew, 4x4, 69,000 kms, \$33,999. 1-800-667-4414, www.thoens.com Wynyard. DL #909250.

2013 F-150 XLT, 4x4, reg. cab, spray-in boxliner, BMW 5th wheel, 50,000 kms, mostly highway kms, \$25,000. 306-628-7582, Leader, SK.

AUCTION SALES 0900

NEWEST TO OLDEST 1595



2011 F-250 XL 4x4, reg. cab, 6.2 gas, auto, A/T/C, only 107,000 kms., fresh Sask. safety, \$21,900. Call Cam-Don Motors Ltd, 306-237-4212, Perdue, SK.

2008 GMC SIERRA SLE Z71, 4x4, 4 dr, only 87,000 kms, boxliner, truxedo tarp. Rose-town, SK, 306-882-3135, 306-831-8314.

2005 GMC SLT Duramax, loaded, always stored inside, 160,000K, mostly highway kms, \$25,000. 306-628-7582, Leader, SK.

1992 GMC 3/4 ton, diesel, new tires, very little rust, needs transmission. Phone 780-744-2180, Kitscoty, AB.

FOUR WHEEL DRIVE 1670

2014 RAM 1500 Eco diesel, Crew, Outdoorsman, 6.5 box, 19,000 kms, \$39,995, PST paid; 2013 Ram 2500 Laramie, Crew, 98,000 kms, \$43,900; 2012 Ram 2500 Laramie, Crew, \$37,900; 2008 Ram 2500 Laramie, Quad, \$21,500; 2012 Ram 4500, C&C, diesel, \$36,999; 2012 GMC Duramax, C&C, \$28,900; 2011 Ram 3500, C&C, diesel, \$27,900. Call 1-800-667-4414, Wynyard, SK. www.thoens.com DL #909250.

2012 RAM 4500 C&C 4x4, Cummins dsl., 81,000 kms, \$36,999; 2014 Ram 5500 4x4, w/deck, \$38,999. 1-800-667-4414, Wynyard, SK. www.thoens.com DL #909250.

GRAIN TRUCKS 1675

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

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REMOTE CONTROL ENDGATE AND hoist systems can save you time, energy and keep you safe this seeding season. Give **Kramble Industries** a call at 306-933-2653, Saskatoon, SK, or visit us online at: www.kramble.net

2001 IH 9200 Eagle, Detroit 10 spd., new 20' B&H, pump, remote control, pintle hitch with plumbing warranty, new safety, \$46,000. 306-563-8765, Canora, SK.

IHC 1824 GRAIN TRUCK, steel box, new clutch, roll tarp, shedded. 403-599-3790, Milo, AB.



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

AUCTION SALES 0900

GRAIN TRUCKS 1675

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

AUTOMATIC 2008 VOLVO, 485 HP, I shift 20' BH&T, remote control pintle hitch, warranty, \$54,000. 306-563-8765, Canora, SK.

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

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SEMI TRUCKS 1677

1995 VOLVO DAYCAB, short WB, 350 HP, 10 spd., diff. lock, lots rebuilt, 1.2 KMS, \$7900. Call 587-336-4472, Barrhead, AB.



2005 KW T800, 42" removable bunk, pre-emission, 475 Cummins, 18 spd., 4-way lockers, Webasto heater, 13F and 46R, new brakes/drums, fresh topset, fresh Sask. safety, 2-line wet kit, 24.5 on aluminum, 330,000 kms., VG, heavy spec, fleet maintained tractor, \$52,900. Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

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Advertising Deadline
THURSDAY NOON
(2 weeks prior)

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Alberta Farmer Express

1666 Dublin Avenue, Winnipeg, MB R3H 0H1

Toll-Free in Canada 1-800-665-1362

FAX 204-954-1422

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Please call 1-844-944-8927 to confirm your eligibility

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No in-person visits or appointments required
Drug coverage is through Alberta Blue Cross Seniors Plan

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Alberta Health Services

The study has been approved by the University of Calgary Corporate Health Research Ethics Board, Ethics ID: RER13-1261. University of Alberta Health Research Ethics Board Ethics ID: Pro 0062473

Unreserved Public Farm Auction

Jerry Benoit
Wainwright, AB | July 8, 2016 · 11 am

2007 John Deere 9660WTS

1992 John Deere 4055 & 2012 John Deere 455 25 Ft

AUCTION LOCATION: From WAINWRIGHT, AB, go 14.5 km (9 miles) West on Hwy 14 to Sec Hwy 883, then go 7 km (4.35 miles) North. Yard on East side. GPS: 52.970793, -111.017846

A PARTIAL EQUIPMENT LIST INCLUDES: 1992 John Deere 4055 MFWD Tractor · 1964 John Deere 4020 2WD Tractor · Massey Ferguson 90 2WD Tractor · 2007 John Deere 9660WTS Combine · International Harvester 18 Ft Pull Type Swather · Hesston 1200 25 Ft Pull Type Swather · 1998 International 9200 T/A Grain Truck · Bergon 16 Ft/A Equipment Trailer · 2012 John Deere 455 25 Ft

Double Disc Seed Drill · (2) Morris 36 Ft Rodweeder Cultivators · Morris L-160 21 Ft Field Cultivator · Cereal Implements 3000 22 Ft Cultivator · Brandt 70 Ft Sprayer · Unverferth 230 Grain Wagon · Westfield MK100-61 Mechanical Swing Grain Auger · Sakundiak HD8-1200 8 In. x 39 Ft Grain Auger · Sakundiak HD6-33 Grain Auger ...AND MUCH MORE!

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Jerry Benoit: 780.842.2194

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

3- 17 BALE SELF LOADING TRUCKS: 2000 IHC Eagle, 1999 Freightliner and 1998 Freightliner. 780-975-3445, Stony Plain AB

SPORT UTILITIES 1682

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

2011 GMC YUKON SLT w/1 SD, 95,725 kms, 3rd row seating, loaded, leather, \$26,900. 306-652-7972, Saskatoon, SK. magicpaintandbody@shaw.ca DL 316384.

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

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

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

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BUILDINGS 2601

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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.

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1991 45' GREAT DANE reefer trailer converted to mobile shop. Tandem axle, can be safetied. Has barn doors and side entry. Wired for 120/220 Volt. Comes w/bulk oil disp., air compressor, bench grinder, cut-off saw, drill press. Nice clean unit. 25 KVA generator also available. Phone Tom 306-747-3292, 780-713-5967, Shellbrook

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

BUCYRUS 8 YD. SCRAPER, good cond., \$2500. 780-727-2198, Evansburg, AB.

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BUILDINGS 2601

CONSTRUCTION EQUIPMENT 3600

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

YELLOW ROSE CONSTRUCTION has a 3' Traylor Gyratory gravel crusher that will crush 12" rock; A warehouse of parts, 2 or 3 of everything, will sell by the piece; 40' Genset tower van, 3406 Cat eng., 400 KW; 24 electrical boxes w/cord outlets, control switches in tower, 5 HP to 150 HP; 1100 gal. belly fuel tank; Shop van full of extra parts; tools, welder; Ingersoll Rand L120 generator light plant. Call Bill McGinnis, 306-567-7619, Craik, SK.

DEGELMAN BLADES: 2007 6600 14', fits CNH 275, 280, 325, 335 HP tractors, \$9800; 2007 7200 16' fits CIH 9270-9390, \$17,800. Call 1-800-667-4515.

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

CLIFF'S USED CRAWLER PARTS. Some older Cats, IH and Allis Chalmers. 780-755-2295, Edgerton, AB.

COMPACTORS: 84", 66" and 54". Pad foot and smooth drum. For sale or rent. 306-483-2500 Conquest Equip. Oxbow, SK.

PARTING OUT: FIAT Allis 168, D, A and DP lots of parts. Call 306-873-5675 or 306-873-7506, Tisdale, SK.

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1988 BADGER 4450 RT crane 50 ton 130' w/Jib, 2 winches, Detroit/Allison, exc. cond, \$65,900. 780-206-1234 Barrhead AB

2011 HITACHI ZX270 LC-3 hyd. excavator, brand new UC, hyd. thumb, 2 buckets, cat-walks, positive air shutoff. 587-991-6605, Edmonton, AB.

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.

7' SKIDSTEER BLADE w/hydraulic angling, new never used, \$2400. Phone 306-962-3821, Eston, SK.



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

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

WHEEL LOADERS: 2010 Cat IT38H, 6990 hrs., \$104,000; 2008 JD 624U, 5061 hrs., \$115,000. 780-983-0936, Calgary, AB.

5 YARD PULL SCRAPER, good condition, new blade, no push-off, \$7000. Call 306-335-2777, Lemberg, SK.

DIESEL ENGINES 3700

DIESEL ENGINES, OVERHAUL kits and parts for most makes. Cat, CIH, Cummins, Detroit, Mack. M&M Equipment Ltd., Parts and Service phone: 306-543-8377, fax: 306-543-2111, Regina, SK.

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

USED, REBUILT or NEW engines. Specializing in Cummins, have all makes, large inventory of parts, repowering is our specialty. 1-877-557-3797, Ponoka, AB.

3406B, N14, SERIES 60, running engines and parts. Call Yellowhead Traders, 306-896-2882, Churchbridge, SK.

ELECTRICAL MOTORS 3825

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

FARM BUILDINGS 4000

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

FARM BUILDINGS 4000

WANTED: OLDER STEEL quonsets, any size, Standard Steel, Behlen, or Fairford. 306-745-6140 306-745-7530 Esterhazy SK

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

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

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ARM RIVER POLE BUILDINGS, 40'x60' to 80'x300', Sask. only. Call 306-731-2066, Lumsden, SK., metalarc@live.ca

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

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

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

BINS 4003

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

2- 3300 BUSHEL Westeel Rosco flat bottom bins, \$1/bu. OBO. 306-297-7857, Palmier, SK.

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

USED ELEVATOR BIN, Westeel Wide-Corr 2715, 27,580 bu., \$15,000. Can setup. Call 306-645-4526, Rocanville, SK.

CONSULTING 2901

BINS 4003

GRAIN BIN ERECTION. Concrete, turnkey installation, remodel and repair. Bin bolts, nuts, and caulking in stock. Call Quadra Development Corp, 1-800-249-2708 or d.lonseth@sasktel.net

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

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



POLY GRAIN BINS, 40 to 150 bu. for grain cleaning, feed, fertilizer and left over treated seed. 306-258-4422, Vonda, SK. www.buffervalley.com

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

GRAIN BIN: 3500 bu. Meridian/Behlen bin/hopper combo, 10 leg hopper and skid, roof and side ladder, safety fill, constructed, \$10,195 FOB Regina, SK. Contact Peterson Construction, 306-789-2444.

8 HYDRAULIC BIN JACKS, "Bainter Style", c/w Honda 5.5 HP hyd. powerplant, jacks used once, like new, \$17,500. Call 780-208-8880, Vegreville, AB.

4 USED AERATION FLOORS, 48' Sukup super heavy duty, 4 yrs. old, canola perforation. Call 780-206-1234, Barrhead, AB.

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

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

6 WESTEEL 2105 flat bottom bins, 5900 bu. for sale. Call Graham 306-831-7514, 306-935-4523, Mildren, SK.

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CONSULTING 2901

STORAGE/CONTAINERS 4005

20' AND 40' SEA CONTAINERS, for sale in Calgary, AB. Phone 403-226-1722, 1-866-517-8335. www.magnatesteel.com

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

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

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BOND SEA CONTAINERS. New, used and modified sea containers. All sizes avail. Buy, rent or lease. Call Bond today 306-373-2236, joe@bondind.com or visit www.bondind.com



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FARM MACHINERY

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CONVEYORS 4106

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

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

FERTILIZER EQUIPMENT 4112



SPECIAL! 2009 AG-CHEM 8204, 2-bin with chemical bin, 4570 hours, reduced to \$86,000. 2006 Ag-Chem 8204, 2-bin, \$66,000. USD prices. 406-466-5356, Cho-teau, MT. www.fertilizerequipment.net

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2- 2010 CASE 4520's, 70' booms: 3-bin, 3100 hrs., \$168,000; 1-bin, 2600 hrs., \$154,000; **SPECIAL- 2010 Case 4520, 1 bin, 5100 hrs., \$98,500;** 2- 2007 Case 4520s, 3-bin, 70' booms, 3300 hrs., AutoSteer, \$144,000 and \$124,000; 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., \$68,000; 2- 2004 Loral AirMax 1000s, 70' booms, immaculate, \$76,000 and \$93,000; 2006 2-bin Ag-Chem, 70' booms, \$78,000; 2002 KBH Semi tender, self-contained, \$36,000; 2009 and 2012 Merritt semi belt tender, self contained, \$38,500 and \$44,000; 2008 Komatsu WA70-5, 2200 hrs., \$27,500; 8 ton Doyle blender w/scale, \$17,000. All prices in USD. 406-466-5356, Choteau, MT. View www.fertilizerequipment.net

LOOKING FOR A floater or tender? Call me first. 36 years experience. Loral parts, new and used. Call 403-650-7967, Calgary, AB.

GRAIN AUGERS 4115

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

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

BRAND NEW 2015 Wheatheart R8-51 (8"x51'), 35 HP Kohler elec. start, hyd. mover and lift. 306-338-2927 Wadena SK

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

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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2010 SAKUNDIAK HD8-53 with Hawes mover and 30 HP Kohler, exc. cond., \$8500; 2013 Harvest Int. 13x70 with hyd. wheel move and electric hopper lift, \$13,995. 306-648-3321, Gravelbourg, SK.

GRAIN BAGS/ EQUIPMENT 4116

2007 MAINERO 9' grain bagger, hyd. brakes, exc. cond., \$14,900; **2007 Akron E180T extractor,** 9-10' bags, exc. cond., \$17,900. 780-206-1234, Barrhead, AB.

GRAIN CARTS 4118

EZ-TRAIL 500 BUSHEL grain cart, Michel's tarp, PTO drive, \$11,000. 306-231-8999, Humboldt, SK.

KINZE 1050 GRAIN CART, tandem duals, PTO drive, scales, \$35,000. 403-647-7391, Foremost, AB.

GRAIN CLEANERS 4121

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

GRAIN BAGS/ EQUIPMENT 4116

GRAIN CLEANERS 4121

6 CLELAND SPIRAL SEPARATORS, fair condition, \$3000. 306-335-2280, Lemberg, SK

GRAIN DRYERS 4124

SUPERB GRAIN DRYERS. In stock dryers at winter prices. Call Grant Service Ltd. 306-272-4195, Foam Lake, SK.

GRAIN VACUUMS 4133

CONVEYAIR GRAIN VACS, parts, accessories. Call Bill 780-986-5548, Leduc, AB. www.starlinesales.com

HARVESTING/HAYING

BALING EQUIPMENT 4139

1049 SP BALE wagon; 1033 PT bale wagon; 8' sickle mower; 4' rotary 3PTH mower, 306-283-4747, 306-220-0429 Langham SK

2007 CASE RBX563 round baler, always stored inside, \$16,000. Retiring. Located at Tompkins, SK. Call 403-526-8998.

WANTED: JD 7810 c/w FEL & 3-PTH; SP or PTO baler wagon; JD or IHC end wheel drills. Small square baler. 403-394-4401.

HESSTON 565 ROUND baler, good cond., \$4500; MacDon 5020 16' haybine, \$1000. 306-634-7920, 306-421-1753, Estevan, SK

2007 NH BR780A baler, extra wide heavy duty pickup, well maintained, 500 bales on new belts, 13,000 bales, \$15,500. 306-662-3353, Maple Creek, SK.

JD 535 BALER, has bale kicker and gathering wheels, field ready. Call 306-726-7801, Southey, SK.

2014 JD 569 BALER, MegaWide Plus PU, net wrap, 3500 bales, exc. cond., \$50,000 firm. Wayne 306-845-8383, Turtleford, SK.

NH 1033 BALE WAGON, good condition, field ready, \$3500. Call deliver. 306-882-3141, Rosetown, SK.

566 JD MEGATOOTH baler, 1000 PTO, 11,200 bales, shedded, vg cond. Call 780-875-7051, Lloydminster, AB.

MOWER CONDITIONERS 4142



UNIVERSAL HAYBINE REVERSER A flip of a switch from your tractor seat saves time, money and ensures operator safety. Kits available for most makes and models. Duane 306-745-3801, Ken 306-745-3720, Esterhazy, SK. www.qvbenterprises.com

1996 NEW HOLLAND 1475 18' haybine, with 2200 header, \$12,000 OBO. 306-225-5720, Hague, SK.

2015 MF 1386, 16' discbine with warranty, 500 acres. 403-599-3790, Milo, AB.

NH 495 12', completely rebuilt drive line, field ready, \$4500; Hesston 6450 21' SP 6 cyl. Chrysler, batt and PU reels, new knives last year, big floatation tires and weights, \$5200. 306-796-2178, Chaplin, SK.

NH MOWMAX DISCBINE Model H7460, S/N #YAN086259, excellent condition, \$42,500. 306-846-4702, Dinsmore, SK.

SWATHERS 4145

1998 MACDON (PREMIER 2930), 1700 eng. hrs., 30', mounted roller and shears, exc. cond. Quit farming. 780-872-2832, Paradise Hill, SK. larrynaeth@gmail.com

GRAIN BAGS/ EQUIPMENT 4116

SWATHERS 4145

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

2014 MACDON M155, 40' double knife drive, GPS, free form roller, 132 cutting hrs, \$134,000. 306-436-7727 Milestone SK

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

RETIRING: PREMIER 30' PTO swather, au-tofold, batt reels, very good condition. 306-638-4550, Findlater, SK.

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

2004 CIH WDX 1101, 36', exc. cond., dbl. knife, dbl. reel drive, split reels, 1400 hrs., \$42,500. 306-280-6192, Rabbit Lake, SK.

2011 BERGEN 6200 FC swather transport, like new condition, \$12,000. Call 306-372-7653, Luseland, SK.

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

2- NH 8040's, 36', double knife drive, hyd. fore/aft, pea auger, PU reel, hyd. tilt, air ride susp., mounted roller, 60 hrs., \$115,000. 403-647-7391, Foremost, AB.

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

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

2012 MACDON WESTWARD M155 swather, S/N #227787-12, 600-65R28 bar 60 drive tires, 16-5L-16.1 forked caster rear wheels, hyd. centre link, centre link self-alignment kit, pressure sensor kit, wind-shield shades, w/2012 MacDon Westward D60 header, 35', S/N #226091-12, double knife, DS, slow spd., transport, end finger kit, \$95,000. Owner retiring. Vermilion, AB. Ph. 780-813-0131 or 780-853-7925.

2008 WD 1203 swather, 1380 hours, new cutting bars, guards 2015, \$55,000. 306-231-8999, Humboldt, SK.



2013 MACDON WESTWARD M155 swather, SN#233325-13, 600-65R28, bar 60 drive tires, 16-5L-16.1 forked caster rear wheels, hyd. AutoSteer ready, HID aux. lighting, hyd. centre link, warning beacon, pressure sensor kit, centre lift link, wind-shield shades, F&B, w/2014 MacDon D65 header, 35', SN#250287-14, 6 batt., split reel, hyd. Fore/Aft, hyd. deck shift, slow spd., transport pkg., 2 skidshoes, used 1/2 of harvest season, \$115,000. Owner retiring. Ph. 780-813-0131 or 780-853-7925, Vermilion, AB.



2012 MACDON 155, 30' header, 559 hrs., AutoSteer, very good condition. 403-866-2775, Rolling Hills, AB.

GRAIN BAGS/ EQUIPMENT 4116

SWATHERS 4145

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

WESTWARD 3000 PT swather, 25' PU reel, vg condition; 205 MF 14' haybine, new condition; Co-op 550, 18' plus 18' PU reel on transport; MF 35 18' PT, new cond. 306-491-2227, Blaine Lake, SK.

2013 MF 9725 w/30' draper header #N22068A, 174 hrs, 30' center delivery \$98,000. 306-864-3667, Kinistino, SK. or www.farmworld.ca

2006 4952i PRAIRIE STAR w/MacDon 972 30' double swath, PU reel, \$55,000. 306-364-2185, Jansen, SK.

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

2012 MACDON M155 w/30' draper header #W22651A, 236 hrs, D50 30' single reel \$123,600. 306-922-2525, Prince Albert, SK. or www.farmworld.ca

1993 MF 220, 2200 hrs., 30' swather, PU reel; Also swath roller. Call 306-759-2651 or 306-759-7745, Brownlee, SK.



2011 M150 c/w D60 40', 300 hrs., shedded, very good cond., \$124,900. Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

885 MASSEY SP gas, 1700 hrs., 30', wide opening, PU reel, HD wobble box, dual Roto-sheers, spare parts \$13,000. Call 306-335-2777, Lemberg, SK.

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

1988 JD 2360 swather, diesel, 2100 hrs., 30' header and PU reel, CAHR, good cond., \$7500. Call 306-542-3526, Kamsack, SK.

PREPASS FLEX tank contamination. We have documented damaged crops from PrePass FLEX tank contamination. If you have experienced this please call Back-Track Investigations 1-866-882-4779 for assistance/claim. backtrackcanada.com

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

2008 HESSTON 9435, 22', centre delivery, diesel, PU reel, 400 hrs., shedded, exc. cond. Retiring. 403-556-7257, Olds, AB.

2006 WESTWARD 9352i, SN #168640-06, 500-74R24 bar thread, 16.8x16.1 casters, turbo, 2 spd., w/2005 Westward 972 header, 30', SN #162582-05, single knife, DS, Empire gauge wheels, \$55,000. Owner Retiring. Ph 780-813-0131, 780-853-7925, Vermilion, AB.

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

We know that farming is enough of a gamble so if you want to sell it fast place your ad in the Alberta Farmer Express classifieds. It's a Sure Thing. Call our toll-free number today. We have friendly staff ready to help. 1-800-665-1362.

GRAIN BAGS/ EQUIPMENT 4116

SWATHERS 4145



2012 BERGEN INDUSTRIES 6200 full carry swather mover, brakes and lights, fenders and lights, 215-75R17.5 16 ply radial tires, Tor-Flex rubber ride suspension, 12V El-over hyd. power pack, hyd. flip-over on side cart, hyd. deck for safe loading, \$24,000. Owner retiring. 780-813-0131 or 780-853-7925, Vermilion, AB.

SWATHER ACCESSORIES 4148

WANTED: SWATHER MOVER for Versatile 400 swather. 403-318-8135, Delburne, AB.

H/H VARIOUS 4151

2008 MF 2756 baler, twine, mesh wrap and kicker; 2005 Hesston 1365 discbine, 15.5' wide; 2011 Kuhn SR112 hay rake. 306-825-3536 evenings, Lloydminster, SK.

NEW HOLLAND 1495 HAYBINE, Diesel, A/C, 3100 hrs., \$6500 OBO. 403-377-2562, Tilley, AB.

COMBINES

CASE/IH 4160

2005 2388, 2200 eng. hrs, 1850 sep. hrs., field ready, never combined peas, \$82,000. 780-354-3447, Beaverlodge, AB.

2003 CIH **2388,** 3048 eng./2304 sep. hrs., Specialty rotor, red light done 2013, \$60,000; 1998 **2188,** 4340 eng./3327 sep. hrs., Specialty rotor, sent through shop 2015, \$32,000; 1994 **1688,** 5875 eng. hrs., Spec. rotor, through shop in 2012, \$17,000. 306-231-8999, Humboldt, SK.

FARM CHEMICAL/ SEED COMPLAINTS We also specialize in: agricultural complaints of any nature; Crop ins. appeals; Spray drift; Chemical failure; Residual herbicide; Custom operator issues; Equip. malfunction. Ph. Back-Track Investigations 1-866-882-4779 for assistance and compensation. backtrackcanada.com

2012 CASE 8230, 1200 hrs., long auger, ext. wear rotor, mega cut chopper, 900 tires, diff locks, air compressor, lateral tilt, 3016 PU header, field ready, \$275,000. 403-647-7391, Foremost, AB.

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

2012 CASE/IH 9120 w/2013 Precision header, Swathmaster PU, 684 sep. hrs, Pro 700 monitor, luxury cab w/leather, 620-42 duals, stored in heated shop, mint cond., \$250,000. 306-795-7089, 306-795-7448, Ituna, SK.

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

FORD/NH 4172

2004 CR970, MAV chopper, Michel's hopper tarp, duals, 2300 eng./1700 sep. hrs., dealer serviced, \$89,000 OBO. Domremy, SK, call 306-961-1538 or 306-960-4430.

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

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

COMBINE HEADERS 4199

FORD/NH 4172

2009 NH CR9070, 900 rotor hrs, mint cond., shedded. You won't be disappointed. Quit farming. 780-872-2832, Paradise Hill, SK. Email: larrynaeth@gmail.com

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

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

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

1997 NH TR98, 2060 hrs., MAV chopper, hopper ext., hyd. fore & aft, overall nice cond., with PU, \$19,800. 1-800-667-4515. www.combineworld.com

GLEANER 4175

2004 GLEANER 475 w/Swathmaster PU, #N225110, 2750 hrs., 16' PU, \$99,000. 306-864-3667, Kinistino, SK. or www.farmworld.ca

2005 GLEANER R75 w/Swathmaster PU, #N22511D, 2750 hrs., 16' PU, \$99,000. 306-864-3667, Kinistino, SK. or www.farmworld.ca

2011 GLEANER A6 with Swathmaster PU #PN3014C, 836 hours, \$255,000. 306-922-2525, Prince Albert, SK. or www.farmworld.ca

JOHN DEERE 4178

WANTED: 1988 JOHN DEERE 8820 Titan II combine. Must be clean and good. Call 780-672-3755, Camrose, AB.

2- 2008 JD 9770s, 615 PU's, 1225 and 1223 sep. hours, Sunnybrook concaves, always shedded, delivery available, \$180,000 each OBO. 2- 936D headers available. 306-272-7199, Foam Lake, SK.

2012 S680, 615 PU, 800 sep. hrs., prem. chopper, Michelsins, Greenlight June 2016, \$350,000. 780-679-7635, New Norway AB.

2009 JD 9770, 1060 sep. hrs., 900 tires, Contour-Master, fresh Greenlight, exc. cond., \$185,000. 306-628-7582 Leader SK

PREPASS FLEX tank contamination. We have documented damaged crops from PrePass FLEX tank contamination. If you have experienced this please call Back-Track Investigations 1-866-882-4779 for assistance/claim. backtrackcanada.com

1997 JD **9400,** 2114 eng. hrs., 1626 sep. hrs., ext. range cyl. drive, Y&M, long auger, new: PU belts, feeder chain, rub bars and concave, straw chopper, spreader, 914 PU, exc. cond., \$60,000. Call Dave Klein, 306-957-4312, 306-695-7794, Odessa, SK.

2002 JD 9750 STS combine, 914 PU, 20' auger, hopper exts, Calmar downspout, 2162 sep. hrs., 2972 eng. hrs, JD concaves, shedded. 306-228-1213, Unity, SK.

2014 JD 615P pickup header, overall exc. condition, trades wanted, \$26,800. Call 1-800-667-4515. www.combineworld.com

2001 9750, 4612 eng., 3272 sep., hopper ext., 914 PU, 30.5x32 front, 18.4x26 rear tires, \$100,000. 780-754-2350, Irma, AB.

1990 JD 9500, 3450/4700 hrs, chopper, chaff spreader, good shape, w/wo JD 930 header. 306-861-2013, 306-456-2749, Oungre, SK

MASSEY FERGUSON 4181

1997 MASSEY 8780, 3146/2296 thrash hrs., c/w Super Victory PU, Kirby chaff spreader, hopper, topper, grain ext., \$29,000 OBO. 306-753-7143, Macklin, SK.

WHITE 4190

1985 WHITE 8920, SP 2233 sep hrs., hydrostatic, CAH, 8 belt Victory PU, hyd. drive, well maintained, shedded; Also 1980 White 8700, SP 2139 sep. hrs., CAH, White PU, var. belt drive, vg cond., shedded. Call 306-338-2927, Wadena, SK.

COMBINE ACCESSORIES

COMBINE HEADERS 4199

MACDON CA20/CA25 and HoneyBee flex or rigid adapters and completion kits, plenty in stock. We want your trade! Call 1-800-667-4515, www.combineworld.com

2004 936D, new wobble box, extra knife, PU reel, shedded, exc. cond., \$25,000. 306-867-7102, 306-243-4208 Macrorie, SK

2010 CIH 2142 35', SKD, \$49,000; 2008 MacDon D60, 40', \$39,000. Both w/factory transport, hyd. Fore/Aft, new canvases, only cut cereals, field ready. Phone/text 306-435-7513, Moosomin, SK.

2011 MACDON FD70 35' CNH, exc. cond., loaded, pea auger, gauge wheels, \$59,000. 780-206-1234, Barrhead, AB.

25' CASE STRAIGHT cut header w/PU reel plus lifters, c/w Trailtech transport, new condition. 306-491-2227, Blaine Lake, SK.

2013 MACDON FD75 Flex draper 40', dbl K, pea auger, \$74,000; 2007 MacDon D60 35' \$35,000. Both JD adaptors. 306-563-8482.

2012 NH 880 SUPER FLEX, 40', auto HH flex rigid, gauge wheels, shedded, approx. 5500 acres. 780-753-1973, Compeer, AB.

2012 CIH 2162 flex draper, dbl. knife, 40'. \$69,800; 2-2013 CIH 2142, 35', \$55,000. CR/AFX adaptors. Call 306-563-8482.

2009 CASE 2016 PU headers, 16', 600 hrs., exc. cond., shedded, field ready, \$15,900. 780-206-1234, Barrhead, AB.

HEADER TRANSPORT, only used in yard, like new, \$2500. Call 306-867-7102 or 306-243-4208, Macrorie, SK.

2010 HONEYBEE 36' draper, 2 pumps, adapter for JD, pea auger, PUR, field ready \$36,500. 306-662-7116, Fox Valley, SK

JD 930D with trailer, lots of new parts, always shedded, exc. cond. overall, \$24,000 OBO. 306-640-5959, Scout Lake, SK.



2- 2012 CASE/IH 2142 straight cut combine headers, 36' rigid, AutoHeight, gauge, PU reel, fore/aft, \$40,000; 2013 Case/IH 2142 straight cut combine header, 36', rigid, AutoHeight, gauge, PU reel, fore/aft, \$45,000. Owner retiring. 780-813-0131 or 780-853-7925, Vermilion, AB.

RECONDITIONED rigid and flex, most makes and sizes; also header transports. Ed Lorenz, 306-344-4811, Paradise Hill, SK www.straightcutheaders.com

2010 HONEYBEE 36', dbl knife, \$38,000; 2010 HoneyBee 36' single knife, \$36,000; 2008 NH 94C 36', DK, \$34,000. Pea augers and AFX/CR adaptors. Ph 306-563-8482.

2013 JD 640D 40', hydra-float, pea auger hyd. tilt, for S series, vg cond., \$62,800. 1-800-667-4515. www.combineworld.com

2- 2010 MACDON FD70, 35' headers w/JD 70 Series adapters, exc. cond., field ready. 306-861-2013, 306-456-2749, Ungre, SK.

2013 JD 640D, like new, with only 2000 acres, pea auger, no transport, \$59,000; 2004 635 Flex, \$20,000; 2005 635 Flex, air reel, \$24,000. 306-948-7223, Biggar, SK.

NH MODEL 973 FLEX HEADER, 30', double knife drive, 5 batt PU reel, fits any TX or TR NH combine, field ready, first \$10,000. Call 306-846-4702, Dinsmore, SK.

2006 JD 936D header, 3000 acres on new knife and guards, good condition, \$32,000. 780-679-8420, Camrose, AB.

36' 1042 CASE/IH draper header, c/w pea auger, fits up to 2588 combine, fair shape, \$10,000 OBO. Call 306-963-7434, 306-847-4409, Liberty, SK.

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2010 CASE/IH 2020 35' flex header, excellent condition, field ready, \$23,500. Call 306-861-4592, Fillmore, SK.

2010 MACDON 40' draper header, double knife drive, PU reel, hyd. fore/aft, hyd. tilt, always shedded, \$55,000. 403-647-7391, Foremost, AB.

COMBINE PICKUPS 4202

2008 MD PW7 16' PU header, excellent condition for STS combines with 16' Swathmaster, \$19,800. 1-800-667-4515. www.combineworld.com

NEW MD PWS's for CNH, New MD PWS pickup header, \$28,000. Trades wanted! 1-800-667-4515. www.combineworld.com

Misc. ACCESSORIES 4205

SWATHMASTER AND RAKE-UP 12', 14', and 16' pickups available. Call for details! 1-800-667-4515. www.combineworld.com

WILDFONG CONCAVES an improved threshing element for JD S series. Also new improved front beaters for JD STS and S Series, no more plugging. Please call us Wildfong Enterprises Ltd., Russ 306-260-2833 or Rick 306-734-7721 or the shop 306-734-2345, Craik, SK.

RECONDITIONED COMBINE HEADERS. RIGID and flex, most makes and sizes; also header transports. Ed Lorenz, 306-344-4811, Paradise Hill, SK. or web-site: www.straightcutheaders.com

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TRIPLE B WRECKING, wrecking tractors, combines, cults., drills, swathers, mixmills, etc. We buy equipment. 306-246-4260, 306-441-0655, Richard, SK.

G.S. TRACTOR SALVAGE, JD tractors only. Call 306-497-3535, Blaine Lake, SK.

LOEFFELHOLZ TRACTOR AND COMBINE Salvage, Cudworth, SK., 306-256-7107. We sell new, used and remanufactured parts for most farm tractors and combines.

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ROCKPICKERS 4223

1985 ROCK-O-MATIC Model 58 high lift rockpicker, hyd. drive vg cond., \$5000 OBO. 306-648-7766, Gravelbourg, SK.

SILAGE EQUIPMENT 4229

REDUCED

2008 JD 3975 c/w PU header, kernel processor, 40" vert. ext. Just through shop in excellent shape w/new knives and shear bar! \$22,900. Call Jordan 403-627-9300, Pincher Creek, AB.

SPRAYING EQUIPMENT

PT SPRAYERS 4238

2002 SPRAY-AIR 3400 90' PT, 800 gal., air assist/ standard spray, AutoBoom, good condition, w/monitor, \$11,900. 1-800-667-4515. www.combineworld.com

NH SF115 SPRAYER, 90' boom, 1250 Imp. gallon tank, 18.4x26 tires included, \$20,000. Call 306-493-7871, Harris, SK.

SP SPRAYERS 4241

2012 JD 4940, 120', 1200 gal. SS tank, AutoSteer, STK: 021159, \$325,000. www.redheadequipment.ca Melfort, SK. 1-888-409-8769.

2010 JD 4830, 100', SS 1000 gal. tank, 2 sets tires, STK: 016381, \$208,000. 1-888-492-8542, Lloydminster, SK. www.redheadequipment.ca

1998 CASE/IH SPX3185, 90', 2 sets of tires, Stk: 017817, \$79,000. Saskatoon, SK 888-788-8007. www.redheadequipment.ca

SALVAGE 4214

SPRAYING VARIOUS 4244

Used JD & Case w/prices up to \$40,000 lower than your local dealer.

JD 9400, 9420, 9520, 8970
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JD 9430, 9530, 9630
Case STX 375, 425, 430, 450, 480, 500, 530
CIH 8010-2388, 2188 combine
CIH 435Q, 535Q, 450Q, 550Q, 600Q pto avail.

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SP SPRAYERS 4241

2007 SPRA-COUPÉ 4655 80', 1080 hrs, 400 gal., mechanical drive, AutoSteer, with JD 1800 monitor, \$57,900. 1-800-667-4515. www.combineworld.com

2010 CASE 4420, 1500 hrs., 120' booms Aim Command, 1200 gal. SS tank, Auto-Boom, AccuBoom, active susp., luxury cab, HID lites, 2 sets tires, always shedded, \$225,000. 403-647-7391, Foremost, AB.



1994 SPRA-COUPÉ 3630, 66', 300 gal., 2600 hours, new timing belt/pressure control valve/alternator this spring, single body nozzle, Ez-Guide 250 w/mapping, dual kit, crop dividers, tow hitch, \$14,000 OBO. Call 306-281-4526, Hepburn, SK.

2015 CASE/IH 4440, 120', Luxury cab, Active susp., 380's and 710's, STK: 019628, \$480,000. 1-888-788-8007, Saskatoon, SK. www.redheadequipment.ca

2009 CASE/IH 4420, 100', AIM, 1200 gal, Norac Boom Height, STK: 020576 \$199,500. www.redheadequipment.ca or 1-888-365-2681, Estevan, SK.

2015 CASE/IH 4440, 120', AIM, Auto-Boom, AccuBoom, Pro 700 monitor, STK: 019304, \$394,500. 1-888-576-5561, Swift Current, SK. www.redheadequipment.ca

2003 SPRA-COUPÉ 4640 High Clearance sprayer, 80' boom, 600 hrs., \$65,000. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

2004 CASE/IH 3200 SPX sprayer, 1000 gal. SS tank and booms, 90', 5.9L Cummins, 3000 eng. hrs., \$20,000 Outback GPS w/section control installed Sept. 2015, c/w 2 sets tires and rims, vg shape, \$90,000 or may consider trades on a JD 9750, 9760 or 9770 combine. Call or text 306-460-8167, Kindersley, SK.

2005 APACHE AS850, 90', 380/38 front, 320/46 rear, chem inductor, Outback S3 STK: 014684, \$119,000. 1-888-492-8542, Lloydminster. www.redheadequipment.ca

2002 JD 4710, 90', 800 gal. SS, crop dividers, 380/90R46 tires, duals for rear, AutoSteer, AutoHeight, chem eductor. Call 306-357-4732, 306-831-8548, Wiseton, SK

2011 JD 4830 with only 1050 hours, full AutoSteer, all options, both sets tires, \$219,000. Biggar, SK., 306-948-7223.

PREPASS FLEX tank contamination. We have documented damaged crops from PrePass FLEX tank contamination. If you have experienced this please call BackTrack Investigations 1-866-882-4779 for assistance/claim. backtrackcanada.com

2008 CASE/IH 4420, 120', 620/38 and 320/46, AIM, STK: 021025, \$217,600. www.redheadequipment.ca Melfort, SK. 1-888-409-8769.



2013 JD 4940, 120' high clearance, 1266 hrs., 1200 gal. SS tank, 5 nozzle bodies, rinse tank, SF1 activation, Starfire SF3000, AutoSteer, hydraulic axle aid, tires: 900/50R45, air susp., 11 section boom, chem eductor tank, wheel fenders, wheel slip control, exc. cond., asking \$250,000. Located in Andrew, AB. Call 780-365-2020.

2012 JD 4940, 120', 1200 gal., Boom Trac Pro 5, leveling, STK# 020967, \$297,000. 1-888-576-5561, Swift Current, SK. www.redheadequipment.ca



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2015 CASE/IH 4440, 120', Luxury cab, Active susp, 710 Floaters and 380/90R4, STK: 019629, \$480,000. 1-888-639-3431, Prince Albert. www.redheadequipment.ca

2002 CASE SPX 3200, 2710 hrs., 90' boom, 750 gal. tank, Raven Envizio Pro, AutoBoom, 2 sets of tires, 20.8R38 and 270/95R48, \$100,000 OBO. Call 306-647-2205 evenings, Theodore, SK.

SPRAYING VARIOUS 4244

Used JD & Case w/prices up to \$40,000 lower than your local dealer.

S670/680/690 JD Combine low hrs
4730 JD Sprayer, 100 ft.
854 Rogator SP Sprayer, complete with
JD auto steer, swath pro
Special 450 CIH Quadtrac with big pump
554 Rogator Sprayer SP
4840 JD 2WD, low hours, new tires

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FLOATER TIRES: Factory rims and tires: JD 4930/4940, R4045; 800/55R46 Good-year tire and rim, \$20,500/set; 710/60R46 Goodyear LSW, \$19,500/set; Case 650/65R38 Michelins, \$13,500. 306-697-2856, Grenfell, SK.

TILLAGE/SEEDING

AIR DRILLS 4250

2004 2340 FLEXI-COIL air tank, TBH, always shedded, not used last 3 yrs., very good shape, \$17,500 OBO. 306-468-7171, 306-724-2225, Debden, SK.

BOURGALT 5710, 40', 12.5" spacing, mid-row shank fert. run, 5" rubber packers, c/w Bourgault 4350 air tank, dual fans, 3 tanks with cameras, \$45,000. Retired. 780-679-6314, Daysland, AB.

2007 JD 1910, 430 bu. air tank, 8 run, double shoot, 12" conveyor, TBH, \$39,800. 1-800-667-4515. www.combineworld.com

2010 IH PH800/3430, 70', 430 bu., 8 run, double shoot, ready to go! Complete with monitor, \$59,800. 1-800-667-4515. www.combineworld.com

2003 BOURGAULT 5710 29' air drill, DS, Stealth paired row openers, 9.8" spacing, 4300 tank, \$65,000 OBO. 780-771-2155, 780-404-1212, Wandering River, AB.

2007 JD 1830 61', double shoot, paired row openers, 10" spacing, 4" steel packers, blockage monitor, \$33,800. Call 1-800-667-4515. www.combineworld.com

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

HARROWS/PACKERS 4256

DEGELMAN HEAVY HARROWS 70', 2008 and 2001, one owner's), \$28,000 and \$26,000. Phone 306-563-8482.

2009 DEGELMAN SM7000, 70' heavy harrow, hyd. tine adjust, 5/8" tines, good condition, \$34,800. 1-800-667-4515. www.combineworld.com

SEEDING VARIOUS 4259

1998 JD 1900, 350 bu. 6 run, double shoot, TBH, 8" auger, clean unit, \$29,800. 1-800-667-4515. www.combineworld.com

JD 9450, 20' hoe/press drill, good shape, \$5000. 306-944-4510, Plunkett, SK.

TILLAGE EQUIPMENT 4262

2013 LEMKEN RUBIN 9/400 like new, 13', 3 PTH, baskets, less than 1000 acres use, \$29,800. Call 1-800-667-4515 or view at: www.combineworld.com

1999 JOHN DEERE 650, 30', 11" spacing, hydraulic levelling, very good condition, \$25,000. 306-898-2123, Bradenbury, SK.

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

2011 WISHEK 842 26', 30" blades. Under 500 acres total use, \$75,000 OBO. Can arrange delivery. Call 306-563-8482.

37 GABER VERTICAL tillage units. Call for details, 306-485-8770 or 306-925-2245, Glen Ewen, SK.

2055 VALMAR APPLICATOR, set up for 50', vg cond, incl. cover, \$3300 OBO. 306-468-7171, 306-724-2225, Debden, SK

2006 KELLO-BILT 325, 10' offset disc, new 32" front blades, 30" rear blades, nice cond., \$25,500. 2006 KELLO-BILT 325, 8' offset disc, new 32" blades front and back, \$23,500. Call Bernie for pics, 780-446-0402 days, Edmonton, AB.

TRACTORS

AGCO 4274



2009 CHALLENGER MT675C, 320 HP, Fendt CVT, 34 MPH, axle/cab susp., 3PTH, 5 remotes, 480R50 duals, 2800 hrs., \$129,000. 780-206-1234, Barrhead, AB.

ALLIS/DEUTZ 4277

1986 DX710, 5800 hrs., AC, 540/1000 PTO, 50% rubber, shedded, good cond. 306-642-3454 evenings, Assiniboia, SK.

CASE/IH 4286

IH 4386/4586/4786 PUMPS in stock, built here. We can increase pump flow for air seeder use. Call with your part #. 1-800-667-7712 Hydratec Hydraulics, Regina

1978 IH 2670, 4 WD, 256 HP, 20.8x34 duals, 1000 PTO, 12 spd., powershift, 7890 hrs., \$7980. Phone 1-800-667-4515. www.combineworld.com

1980 IH 4690 4 WD, 260 HP, PTO, 4 hyds. and return, \$9980. Combine World, 1-800-667-4515, www.combineworld.com

2008 IH QUAD TRAC 485, 4229 hrs, 485 HP, powershift, front weights, good overall condition, \$159,800. 1-800-667-4515. www.combineworld.com

IHC 786, 80 HP, 1500 original hrs., c/w Ezee-On quick attach loader, \$21,500 OBO. 403-823-1894, Drumheller, AB.

WANTED: 4586 or 4786 IHC tractor, in good condition. Call 780-635-2527, St. Vincent, AB.

684 IH 2250 loader, excellent appearance, new tires and tubes, everything works, \$12,500; Also avail, rough cut mower and 3PTH cult. 306-898-2123, Bradenbury, SK.

1986 IH 580 SUPER E, 2 WD w/nice FEL, 2915 hours, overall 7.5/10, \$7950. 1-800-667-4515. www.combineworld.com

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.

STEIGER 4289

STEIGER PUMPS IN stock. Spline drive and gear drive models built here and are in stock. Call us with part #. Hydratec Hydraulics, 1-800-667-7712, Regina, SK.

JOHN DEERE 4295

JD 4555, 2 WD, 4200 orig. hrs., quad shift, 3 hyds., 1000 PTO, factory duals, always shedded, vg condition, \$45,000 OBO. Can email pics. 780-349-9810 Thorhild, AB

1995 JD 6400, 2 WD, 620 loader, 11,100 hrs, good tires, powerquad, 1 owner, very well serviced, 2 buckets, bale spike, 3 PTH, asking \$27,500. 306-948-2963, Biggar, SK.

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18' 922 MacDon Hay Header.....**CALL**

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25' 725 CH (MacDon) PT Swather.....**\$3,000**

40' Morris 3100 Hoe Drills, mover and hitch.....**\$10,000**

946 Versatile Ford Tractor, 5,000 hrs, 24.5 x 32 D.....**\$50,000**

560 Hesston Round Baler, 1,000 PTO.....**\$5,500**

660 NH Round Baler, 540 pto, nice shape.....**\$5,500**

70' 7200, O4 Bourgault heavy harrow. New 5/8 tines, Hyd down pressure.....**\$27,500**

44' 820 F.C. Deep Till Air Seeder, harrows.....**CALL**

2320 F.C. TBH Air Tank, complete with 320 - 3rd tank.....**CALL**

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41' Flexicoil 300 B Chisel Plow, 3 bar harrows.....**\$12,500**

100' 65XL Flexicoil Sprayer, complete with windguards, elec. end nozzles single tips, auto rate, excellent condition.....**\$12,500**

29' 225 DOW Kello- Bilt Tandem Disc, 28" smooth front & rear blades, 10.5" spacing, oil, both bearings, as new.....**\$60,000**

47' 820 Flexicoil Chisel Plow, 4 bar harrows.....**\$67,500**

2009 GMC Topkick 20 ft. Grain Truck, automatic, silage gate, air ride suspension, approx. 7,000 kms.....**\$105,000**

New E-Kay 7", 8", 9" Bin Sweeps available.....**CALL**

NEW HD 10-46" Meridian Auger, 38 hp Kohler engine, HD E-Kay mover, power steering, clutch, slim fit, light kit.....**CALL**

10x1400 (46") Sakundiak Auger, 40 hp Kohler engine, HD E-Kay mover, power steering, belt tightener, slim fit, light kit, scissor lift, remote throttle, no spill hopper, Fab-Tec spout, 3 years old.....**\$14,500**

HD 8 x 1600 (53") Sakundiak Grain Auger.....**\$1,250**

8" Wheat Heart Transfer Auger, hydraulic drive.....**\$1,250**

New Outback RTK BASE stn.....**\$4,500**

New Outback MAX & STX Guidance & mapping.....**In Stock**

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WANTED 4328

WANTED: NH BALE WAGONS & retrievers, any condition. Farm Equipment Finding Service, P.O. Box 1363, Polson, MT 59860. 406-883-2118.

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WANTED: ALL KINDS of bison from yearlings to old bulls. Also cow/calf pairs. Ph Kevin at 306-429-2029, Glenavon, SK.

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CATTLE

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BLACK ANGUS BULLS, two year olds, semen tested, guaranteed breeders. Delivery available. 306-287-3900, 306-287-8006, Englefeld, SK. www.skinnerfarms.ca

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RED WHITE AND TAN Charolais yearling bulls, Solid and Time Out bloodlines. Call Wheatear Charolais, Rosetown, SK., D. Simpson, 306-882-6444 or 306-831-9369.

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TEXAS LONGHORN 5225

ALBERTA TEXAS LONGHORN Association 780-387-4874, Leduc, AB. For more info. www.albertatexaslonghorn.com

TEXAS LONGHORN YEARLING and 2 yr. old bulls for sale. 403-548-6684 or 403-528-0200, Redcliff, AB.

WELSH BLACK 5235

WELSH BLACK- The Brood Cow Advantage. Check www.canadianwelshblackcattle.com Canadian Welsh Black Soc. 403-442-4372.

CATTLE VARIOUS 5240

40 RED AND 80 Black big 1350 lbs. heifers with calves for sale. Call 306-773-1049 or 306-741-6513, Swift Current, SK.

20 YOUNG COW/CALF pairs, will pasture until October 1st. Guarantee 20 pairs. Simmental bulls going out June 10. \$3200 OBO. Call 780-679-8935, Viking, AB.

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SASKATOON ALL BREED Horse & Tack Sale, August 23. 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 bdnarusauctioneering.com

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WANTED: GOOD HOME for 3 donkeys, very tame. Will not split up. Holdfast, SK. 306-488-2103, 306-541-4346.

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BUCKSKIN TEAM of quarter horses, mare 4 and gelding 7, well matched and well started, \$4000. Wagons and harness available. 780-363-2216, Chipman, AB.

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ZONED COMMERCIAL INDUSTRIAL land on Hwy. #16. 29 acres of zoned commercial industrial undeveloped land west side of Radisson, SK, midway between North Battleford and Saskatoon. Services adjacent. Contact 306-827-7836.

COTTAGE/LOTS6125

LOTS AND CABINS FOR SALE at Sun Hills Resort, Lake of the Prairies, 40 min. East of Yorkton, SK. Phone 306-597-9999 or visit www.sunhillsresort.com

BUILDING 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.

LAKE DAUPHIN, MB: serviced flood-proof waterfront lots, from \$44,900. See: "Old Town Harbour" on Regina kijiji and/or facebook. Call us for a brochure, prices and information at 204-761-6165.

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TIMBER FRAMES, LOG STRUCTURES and Vertical Log Cabins. Log home refinishing and chinking. Certified Log Builder with 38 years experience. Log & Timber Works, Delisle, SK., 306-717-5161, Email info@logandtimberworks.com Website at www.logandtimberworks.com

LOG POST AND BEAM shell package for sale. 26'x34' with loft 1220 sq. ft. total. Douglas fir logs. Call 306-222-6558 cell, email jeff@backcountryloghomes.ca or visit www.backcountryloghomes.ca

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RM 496: 296 acres, 235 broke, all seeded Alfalfa/Brome, plus 160 acres of lease. 1677 sq. ft., 4 bdrm, 1 bath, root cellar, outbuildings, various fruit trees, \$345,000; Also 10.43 acres, water, power, phone, \$85,000. 306-427-4716, Spiritwood, SK.

154 ACRES, fenced, good for horses and cattle. Barn, house 1700 sq. ft., well water, good road. 306-253-4501, 306-222-2448. Aberdeen, SK.

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GRAIN LAND TO RENT, 35 mile radius of Rouleau, SK. Call 306-776-2600 or email: kraussacres@sasktel.net

SUTTON GROUP - NORLAND REALTY. Recent sale: **SOLD!** RM of St. Louis, 160 acres, \$272,000. Farmland for sale: RM of Colonsay, 432 acres, \$229,000; RM of Aberdeen, 300 acres, \$400,000; RM Craik, 720 acres, \$1,000,000; RM of Dundurn, 458 acres, \$890,000. Development Potential: **SOLD!** RM of Aberdeen, 158 acres, \$550,000; RM of Corman Park, 3 parcels, 480 acres. James Hunter, 306-716-0750, Saskatoon, SK. sasklandhunter.com

I MANAGE 50,000 ACRES of farmland throughout SK. and have investors looking for more property. Email Warren Vandenamee, Owner/Broker at Royal LePage Premier Realty at capcom@sasktel.net if you are considering selling.

SASKATCHEWAN6133



RM OF SHELLBROOK #493: What a property! 4 bdrm, 1550 sq. ft. split level home, finished bsmt, 24x30 dbl. detached garage, 32x42 heated shop, approx. 24,000 bu. steel grain bin. 160 acres total (100 acres cultivated), some pasture and some water cover. Large well cared for yard. Early possession possible. To view MLS®571251 call Lloyd Ledinski, RE/MAX of the Battlefords, North Battleford, SK. 1-306-446-8800 or 1-306-441-0512.

WWW.EDBOBIASHTeam.COM Ft Rabut Bison Ranch and Farm MLS® 556997 \$1,250,000. 1,007 acre ranch SW of St. Louis with cedar log home, 8' and 5' game fence on 5 quarters, 2 not fenced, excellent bison handling facilities for sorting and loading; Millis Land Hwy #2 MLS® 571430, \$729,900. Prince Albert investment opportunity. 32.32 acres across from Commercial and Light Industrial properties; Hwy #2 Exposure at Meacham MLS® 572211, \$279,900. Great business location w/fenced compound, 40'x50' heated shop and 1998 Mod space office skid trailer with individual offices. Gibbon Acreage MLS® 574576, \$950,000. Saskatoon/Grasswood 31.41 acres with 40'x54'x12' workshop, in-floor heat, 40'x96' barn, 13' overhang, 7 boxstalls and a 84'x154' indoor heated "Coverall" riding arena. Opportunity to construct single detached country residence. Ed Bobiash Re/Max Saskatoon, 306-280-2400.

RM PRAIRIEDALE at Smiley, SK. One quarter farmland. Oil leases. Lots of water. House and buildings. 306-838-0001.

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15 ACRES w/LARGE character home, plus 2nd home on property within 35 miles of Regina or Weyburn on Hwy. #35; 160 acres w/large home, 3 car heated garage, large shop, horse barn, plenty of water, 20 min. NE of Regina. Beside Regina, SK: 3 acre property/house/greenhouses; Near Pilot Butte, 80 acre development land; 90+ acres, Hwy. #11, 7 miles North of Saskatoon, development; RM Perdue, 2 quarters W. of Saskatoon on Hwy #14; 2 miles East of Balgonie Hwy. #1, 145 acre development land. Brian Tiefenbach 306-536-3269, Colliers Int., Regina, SK. www.collierscanada.com



SPECTACULAR RANCH ON Lake Diefenbaker, 10,670 acres for sale. Prime Sask. real estate. View: www.castelandranch.com

SASKATCHEWAN6133


RM HILLSDALE, Sask. Half section farm land, 280 cult. acres. W1/2-16-45-23-W3. Assessment 159,600, price \$340,000. Call 780-871-1821, Lloydminster, AB.

RM DOUGLAS, 6 quarters, 800 acres cult, tenant in place. MLS® 540308. RM Meeting Lake, 2 quarters grassland, MLS® 568881. RM Eagle Creek, 2 quarters, mixed, MLS® 569461. RM Redberry, 1 quarter, MLS® 569945. Ph Mike Janostin, Realty Executives Battlefords, 306-481-5574. mikejanostin@sasktel.net

PASTURES6136

MULCHING- TREES, BRUSH, Stumps. Call today 306-933-2950. Visit us at: www.maverickconstruction.ca

ACREAGES6139



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RM EDENWOLD, Balgonie, SK. acreage, 54.6 acres, located 3 kms SW, listed below appraised value. 3205 plus sq. ft. house, heated triple garage, 3 bdrm, 4 bthrm, and two large family areas. 32x96 shop with potential for stable use, approx. 50 acres Alfalfa, great potential for horses! MLS® #564925. Call/text Anthony Polley, 306-535-6016, Royal LePage Regina Realty. All listings: www.anthony.rlp-regina.ca

COMMERCIAL OR RESIDENTIAL, 13 acres, in Smiley, SK. townsite in oilfield. Sewer and water available. 306-838-0001.

RECREATIONAL VEHICLES

ALL TERRAIN VEHICLES6161


WANTED FOR PARTS: 1982 Honda Big Red 200E, three wheeler. Running if possible. Call 403-318-8135, Delburne, AB.

2012 YAMAHA 450 quad, mint condition, 805 kms., lots of extra's (winch, tires, etc.) \$5500 OBO. 306-529-0390, Regina, SK.

CAMPERS/TRAILERS6164

1993 CITATION 26' 5th wheel, fully loaded, queen bed, awning, vg cond., \$5000 OBO. 306-648-7766, Gravelbourg, SK.


CAMPERS/TRAILERS6164



2013 GULF BREEZE trailer, 1 slide, elec. jacks, low mileage, complete sway bar and hitch incl., queen bed, sleeps 6, asking \$22,500. 780-755-2114, Wainwright, AB.

1998 FRONTIER PLAINSMAN 5th wheel, 24', rear kitchen, AC, awning, vg cond., have hitch. Call 306-843-7696, Wilkie, SK.


MOTOR HOMES6166



1997 SHASTA CLASS C, 28', 7.3 power-stroke diesel, auto, 82,000 kms, \$21,000. Can-Am Truck Export Ltd, 1-800-938-3323, Delisle, SK. DL #910420.


FOR SALE OR TRADE for farm equipment 2000 Class A 30' motor home, V10, new condition, 28,000 kms, \$44,900. Pro Ag Sales, 306-441-2030, North Battleford, SK.

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OTTAWA GRANDFATHERS FOREIGN WORKER CAP

Employment Minister MaryAnn Mihychuk has watered down measures to limit the number of low-wage temporary foreign workers firms can hire after complaints the restrictions would cause major labour shortages. Under rules introduced by the previous Conservative administration, the number of low-skilled foreign workers a firm could employ would have dropped to 10 per cent on July 1 from 20 per cent currently. Mihychuk said she was freezing the limit at 20 per cent for employers who had hired workers before June 20, 2014. Farmers and meat processors complained the 10 per cent limit would result in labour shortages. — Reuters

THEY CAME, THEY SAW, THEY MILKED

The fourth annual Breakfast on the Dairy Farm event at Yff Dairy near Red Deer on June 18 attracted more than 500 visitors. Along with a free breakfast, visitors were able to ask questions of milk farmers, a milk hauler, and herd veterinarian. They became acquainted with the cows themselves and even tried their hand at milking with an activity called Race the Farmer. Organized by the East of Olds Dairy Club, the Southern Alberta Holstein Club, and Alberta Milk, the event was started to create awareness for the provincial dairy industry and increase understanding of the farm-to-fridge process. — Alberta Milk

MORE NEWS

Philippines may return as Canadian wheat customer

Cigi is wooing Filipino millers after a period of poor gluten strength and low protein drove them to American wheat suppliers

BY SHANNON VANRAES
STAFF

For years Darwin Tatel used Canadian wheat at the San Miguel Mill in Batangas, Philippines, but then something changed.

“We stopped using CWRS awhile back when we encountered some problems in terms of quality,” said the head miller, who was in Winnipeg to take part in a technical exchange program at the Canadian International Grains Institute, or Cigi, last month. “We were surprised, of course, because we were using (Canada Western Red Spring) for quite some time, since 2002 or maybe even 2000, so we had been very surprised to see the quality just drop down like that.”

The head miller said complaints had been received from a number of clients, including Gardenia Bakery, which produces half a million loaves of bread every day.

Michael Santiago, production supervisor at Monde Nissin, said the same quality issues caused his Philippines-based company to turn to American wheat after years of using Canadian grain.

“I think the last time we used Canadian wheat was about 2014,” he said. “Because of the gluten, the protein, the inconsistencies in those, we had to change a lot of blends because of that, so then we moved to U.S. wheat.”

But after an intense week of comparing wheat quality, baking test breads, meeting farmers and representatives from various Canadian commodity groups, both say they feel confident that Canadian wheat can again meet their companies’ respective needs.

“They have assured us that the problems previously encountered have been addressed,” said Santiago.

That is exactly what Yvonne Supeene, the institute’s head of baking technology, wants to hear. She said Cigi invited millers from the Philippines to participate in the technical exchange program in the hopes of bringing them back to Canadian wheat.

“The Philippines has been identified as a market that has potential growth for importing more CWRS — our principle class of wheat,” she said, adding exports of Canadian wheat to that country have declined in recent years.

“We’d like to work with the milling companies and give them exposure to the recent changes that have been made over the last number of years, collectively



Esey Assefaw, Cigi’s head of Asian products and pasta technology, speaks to a technical exchange group from the Philippines at Cigi. PHOTO: SHANNON VANRAES

through co-operation among the whole value chain,” said Supeene. “We saw that decline in exports and we know they do require high-protein wheat, so that is part of the reason we are targeting millers there and showing them what we have.”

While the Canadian Grain Commission is responsible for monitoring and governing the quality of CWRS, not Cigi, Supeene said the institute worked with the commission, testing wheat and collaborating on strategies that would see that class of wheat become more defined in terms of quality.

“I think it is important to say that there was nothing wrong with the class before, it’s just that the feedback from our customers and the work that we were doing ourselves at Cigi and CGC, we collectively saw that the dough strength was becoming a little too mellow and we wanted to be very cautious,” she said, adding several changes have been put in place over the

“Canada wants us back and we can work on it.”

MICHAEL SANTIAGO

last few years to address any concerns customers might have.

“There were changes done at the quality evaluation committee level, introducing more stringent testing for varieties to even be registered within the class of CWRS, there was a floor and ceiling shift in the class itself, so they made the floor higher — in other words the strength has to be higher now for the varieties to enter into the CWRS class,” explained Supeene.

For Tatel, his first visit to Canada has paid off.

“We understand better now how the system of Canadian wheat is being handled,” he said, noting he and his peers will also leave with a better understanding of where and how Canadian wheat is grown.

“We haven’t been able to see a wheat field with live wheat in it, but we have seen acres and acres of land... and the kind of huge and sophisticated equipment they are using, we don’t have that in the Philippines as of yet, so we were kind of amazed,” said Tatel.

Santiago was also impressed, not just by the operation they visited, but by the determination shown to win back their customer loyalty.

“Canada wants us back and we can work on it,” he said.

shannon.vanraes@fbcpublishing.com

New accounting standards for farms proposed

Canada’s accounting standards organization wants to make farm accounting simpler and more predictable

BY GORD GILMOUR
STAFF

Canada’s professional standards body for accountants is developing new accounting standards for Canadian farms. A standardized approach will make understanding farm accounts simpler and business more straightforward, the Financial Reporting & Assurance Standards Canada says.

Currently there’s a hodgepodge of ways to do farm accounts, mainly due to the unique nature of these businesses, said Linda Mezon, who chairs the organization’s accounting standards board. “Right now farm accounts aren’t easy to understand, and they should be,” Mezon said in a telephone interview.

Farmers are using a variety of accounting methodologies. The most common are cash accounting and accrual accounting.

Cash accounting is the simplest and it is commonly used by small businesses and for personal finances. It accounts for revenue only when the money is actually received and expenses only when the money is paid out.

Accrual accounting is a bit more complex and accounts for revenue when it is earned and expenses when they are incurred. This method is commonly used by larger businesses.

There are also certain specialized methods of accounting for certain income and expenses and hybrid systems that incorporate elements of both major systems.

All in all, it’s a confusing system, especially for lenders, who need to decipher the books before they can make any decisions.

“Typically these are the people who have the most trouble understanding what they’re looking at, because it’s not always entirely clear what they are looking at,” Mezon said. “The accounting sys-

tems used can vary from farm to farm, even farms in the same sector, and farms doing the same thing right beside each other.”

In practical terms for farmers, this uncertainty translates into just another barrier to doing businesses and perhaps even a barrier to accessing capital, since some lenders will always err on the side of caution.

“We want to make it easier for people to look at farm accounts and understand them,” Mezon said. “We want to have similar operations in completely different parts of the country using the same system so, for example, a chicken producer in Manitoba would be using the same accounting standards as a chicken producer in B.C.”

The intention isn’t to make all sectors of agriculture hew to one universal standard, so much as finding the best solution for each sector and then standardizing accounting practices, she said.

Her organization is holding a

series of roundtables across the country seeking feedback on the proposed new standards, including ones in Lethbridge on July 26 and Edmonton on July 27. (See www.frascanada.ca for more information.)

A key challenge to standardizing farm accounting will be how to account for living plants and animals and the produce from them. When are they considered assets? When do they become income? Are they ever considered a liability? For example, is a planted, but not yet harvested, crop considered an asset? Or is it only an asset when the grain is in the bin? Or once it’s sold?

Each sector has its own best model, and Mezon said the proposals currently put forward need industry input for the best results possible.

Parties interested in attending and making presentations should register by July 19 using an online form: <http://fluidsurveys.com/s/AcSB-AgricultureRoundtable/>.

PEDv outbreak source unknown

No new cases of PEDv have been found in Manitoba, but possibility of future outbreaks can’t be ruled out

BY SHANNON VANRAES
STAFF

While the origin of recent porcine epidemic diarrhea outbreaks has not been identified, Manitoba’s chief veterinarian has determined the strain is not unique to Manitoba.

“What we do know is that all three barns have the same strain of PEDv and that the strain is not one that is unique to Manitoba, it’s been found in Ontario and the U.S. as well,” said Dr. Megan Bergman. “But at this point — with the exception of geographic location — we haven’t identified any common contact between these three barns, so we continue to review our epidemiological information to try to really further evaluate in more detail whether or not we can pinpoint a source of introduction.”

The three most recent cases of the disease appeared between May 26 and June 4, after nearly 16 months of being PEDv free. All the cases occurred within a five-kilometre radius, in the south-eastern part of the province.

However, given the complexity of interactions between hog operations and the larger world — including other farms, trucks, processors, staff, visitors, feed suppliers and other considerations — it is conceivable the cause of these cases may never be pinpointed.

Some in the hog industry had initially questioned if each barn was infected with the same virus given the varying level of symptoms, but the chief vet said that is to be expected.

“Age is actually the biggest factor in respect to the symptoms that we see in these pigs, the younger the piglet, the more significant the clinical signs are and even a difference of a few days in age can make a big difference in how hard they are hit by this virus,” said Bergman. “So we do think that is largely the cause of why we’ve seen a difference between the barns, and of course we had one finisher barn that was affected, and finisher animals are quite a bit older, so they are able to manage that virus quite a bit better than piglets.”

All three of the barns are currently at a different stage of the cleaning and disinfection process, which Bergman said could take a significant amount of time. She added that the possibility of further cases of PEDv can’t be ruled out either.

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Eng: 1094, Sep: 839 900/60R32, Elec Trap
\$195,000 SH



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Eng: 672, Sep: 567 Duals, Mech Trap
\$310,000 SC



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Eng: 613, Sep: 440 - '14 UPGRADE Duals
\$410,000 SH



'14 NEW HOLLAND CR8090,
Eng: 259, Sep: 194 - '14 UPGRADE Duals
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1996 Bourgault 5710/3225	\$39,000 SH
2009 Case IH 700/3430	\$149,000 MH
1994 Flexi-Coil 5000/1720	\$25,000 MJ
1994 Flexi-Coil 5000/2320	\$30,000 SH
1995 Flexi-Coil 5000/2320	\$49,000 SH
1998 Flexi-Coil 5000/3450	\$59,000 SC
2004 Misc 7550/4350	\$35,000 SC
2008 Flexi-Coil 5500/4350	\$139,000 MJ
2010 Morris CONTOUR/8650	\$195,000 SC
1997 Morris MAXIM/7240	\$35,000 SC
1998 Morris MAXIM/7300	\$65,000 T
2009 New Holland P2060/P1060	\$149,000 SH
2010 New Holland P2070/P1060	\$185,000 MJ
2010 New Holland P2070/P1060	\$189,000 MJ
2011 New Holland P2070/P1060	\$135,000 SC

BALE WAGON

1950 Misc HAAKUS WGN	\$4,500 MH
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BALER/ROUND

2015 New Holland 560	\$55,000 T
1999 New Holland 688	\$9,900 SC
2008 New Holland BR7090	\$23,000 SC
2008 New Holland BR7090	\$23,000 MJ
2009 New Holland BR7090	\$25,000 SC
2011 New Holland BR7090	\$29,000 SC
2011 New Holland BR7090	\$32,000 SC
2012 New Holland BR7090	\$32,000 MJ
2004 New Holland BR780	\$19,000 SC

COMBINE

1993 Case IH 1688	\$29,000 B
2008 Case IH 2588	\$159,000 SC
2011 Case IH 8120	\$210,000 B
2013 Case IH 8230	\$349,000 MH
1987 John Deere 7720	\$17,000 SC
1999 John Deere 9610	\$69,000 MH
2010 John Deere T670	\$199,000 SH
2011 Massey Ferguson 9895	\$230,000 SC
2008 Massey Ferguson 9895 w/ 4200 Pickup	\$220,000 T

2011 Massey Ferguson 9895

w/ 4200 Pickup	\$295,000 T
2013 New Holland CR7090	\$269,000 T
2012 New Holland CR8090	\$310,000 SC
2014 New Holland CR8090	\$339,000 SC
2014 New Holland CR8090	\$359,000 SH
2014 New Holland CR8090	\$409,000 SC
2014 New Holland CR8090	\$410,000 SH
2008 New Holland CR9060	\$189,000 MJ
2009 New Holland CR9060	\$189,000 MJ
2010 New Holland CR9060	\$189,000 SC
2010 New Holland CR9060	\$195,000 SH
2010 New Holland CR9060	\$219,000 SC
2010 New Holland CR9060	\$219,000 SC
2008 New Holland CR9070	\$239,000 B
2010 New Holland CR9070	\$259,000 SH
2010 New Holland CR9070	\$259,000 MH
2010 New Holland CR9070	\$269,000 SH
2010 New Holland CR9070	\$269,000 SC
2011 New Holland CR9070	\$269,000 SH
2011 New Holland CR9070	\$269,000 T
2005 New Holland CR960	\$99,000 MJ
2006 New Holland CR960	\$99,000 SC
2006 New Holland CR960	\$99,000 SC
2006 New Holland CR960	\$189,000 SH
2007 New Holland CX8080	\$159,000 SH
2001 New Holland CX840	\$99,000 MH
1990 New Holland TR96	\$15,000 SC
2001 New Holland TR99	\$45,000 SC

DEEP TILLAGE

2012 Horsch Anderson RT370	\$85,000 T
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DISK

2012 Buhler TD600	\$52,000 MJ
John Deere 335	\$29,000 T

GRAIN CART

2012 Misc 1400	\$65,000 SC
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HEADER COMBINE

1993 Case IH 1010 25"W	\$6,500 B
1993 Case IH 1015 12"W	\$5,000 B

2008 Case IH 2015	\$15,000 SC
2010 Case IH 2142 35"W	\$49,000 B
2012 Case IH 3016 15"W	\$24,000 MH
2013 Honey Bee 36GB 36"W	\$45,000 SH
2013 Honey Bee 36GB 36"W	\$45,000 SH
1997 Honey Bee HB25 25"W	\$15,000 SC
2008 Honey Bee HB30 30"W	\$29,000 T
1997 Honey Bee SP30 30"W	\$21,000 MJ
1996 Honey Bee SP36 36"W	\$15,000 SH
1998 Honey Bee SP36 36"W	\$22,000 SC
2004 Honey Bee SP36 36"W	\$32,000 SH
2005 Honey Bee SP36 36"W	\$25,000 SC
2005 Honey Bee SP36 36"W	\$25,000 SH
2008 Honey Bee SP36 36"W	\$35,000 SH
2011 Honey Bee SP36 36"W	\$45,000 SH
2012 Honey Bee SP40 40"W	\$49,000 SH
1988 John Deere 912P 12"W	\$4,000 SC
1999 John Deere 914 14"W	\$10,000 MH
2009 MacDon FD70 35"W	\$55,000 SH
2012 MacDon FD70 40"W	\$65,000 SH
2010 MacDon PW7	\$19,000 B
2011 Massey Ferguson 9250 35"W	\$75,000 SC
2013 New Holland 740CF 35"W	\$35,000 T
2013 New Holland 740CF 35"W	\$35,000 SH
2009 New Holland 74C 35"W	\$29,000 MH
2009 New Holland 74C 35"W	\$37,000 MJ
2009 New Holland 74C 35"W	\$37,000 MJ
2010 New Holland 76C 14"W	\$21,000 SC
2014 New Holland 790CP 15"W	\$25,000 SC
2014 New Holland 880CF 40"W	\$99,000 SH
2014 New Holland 880CF 40"W	\$99,000 SC
2014 New Holland 880CF 45"W	\$99,000 SC
2014 New Holland 880CF 40"W	\$99,000 SC
2004 New Holland 94C 36"W	\$29,000 SH
2007 New Holland 94C 36"W	\$35,000 SH
2008 New Holland 94C 36"W	\$35,000 MH
2010 New Holland 94C 40"W	\$49,000 B
2012 New Holland 94C 36"W	\$35,000 SC
2012 New Holland 94C 40"W	\$55,000 SC
2012 New Holland 94C 40"W	\$62,000 SC
1995 New Holland 971 13"W	\$3,500 SC

1992 New Holland 973 24"W

\$5,000 SC

MOWER CONDITIONER

2006 AGCO Hesston 1275	\$17,000 MJ
1990 John Deere 1600	\$6,500 B
2013 MacDon A30-D	\$35,000 SH
2014 Massey Ferguson 1375	\$41,000 MJ
1999 New Holland 1475	\$17,000 SH

MOWER CONDITIONER/DISC

2013 Massey Ferguson 1375	\$34,000 SC
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RAKE/WHEEL

2015 New Holland 1225	\$23,000 SC
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SKID STEER LOADER

2013 John Deere 329D	\$49,000 SC
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SPRAYER

2009 New Holland S1070	\$39,000 MJ
2010 New Holland S1070	\$29,000 T
2012 New Holland S1070 (W/B)	\$25,000 MH

SPRAYER/HIGH CLEARANCE

2008 Apache 1010	\$139,000 SC
2009 Apache AS1010	\$145,000 SC
2013 Apache AS1220	\$215,000 SH

TELEHANDLER

2012 Dieci AGRITEC 35.7	\$90,000 B
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TRACTOR

1996 Massey Ferguson 8140	\$32,000 B
2010 New Holland 3040	\$23,000 SC
2014 New Holland BOOMER 41	\$19,900 SC
2013 New Holland T4.105	\$65,000 SC
2014 New Holland T9.390	\$265,000 SC
2012 New Holland T9.615	\$345,000 SC
2003 New Holland TC21DA	\$15,000 SC
2007 New Holland TC35DA	\$21,000 SH
2007 New Holland TG305	\$119,000 T

WINDROWER

1998 Case IH 8825HP	\$29,000 SC
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Pork industry pain management standards now in effect

All castration and tail docking will require pain management, a change the industry says it's ready for

BY SHANNON VANRAES
STAFF

Another component of the updated Code of Practice for the Care and Handling of Pigs went into effect on July 1. It requires producers to use anesthetic and analgesics when castrating or docking tails. While nearly all hog farmers are prepared for the new pain control requirements, a telephone town hall hosted by Alberta Pork last month showed many producers are still concerned about the amount of time the new procedures will take. A quick poll showed that 43 per cent of participants were most concerned about how long it would take to administer pain control, compared to 17 per cent of respondents who saw the cost of the drugs as most concerning.

The amount of time required depends on how the pain control is administered, said Mark Flynn, who manages animal care programs for the Manitoba Pork Council.

"There is basically three different ways to administer it," he said. "You can administer it through injection, you can administer it through an oral drench route, where you squirt medication into the mouths of piglets, or through topical application."

Producers should work with their vets to determine which application is right for their operation, he said.

The new code was first officially released in the spring 2014, after three years of consultation. It also moves the industry towards open sow housing and enrichment and replaces

a previous version penned in 1993.

Producers will need a prescription from their herd veterinarian whatever method they choose to use for pain control.

Health Canada has yet to approve any pain control claims on any medication specifically for soft tissue surgeries like castration, but the absence of that claim doesn't mean the drugs are ineffective, said Flynn.

"There are products in development where they are looking for claims, specifically for pain control for castration, and there has been some stuff developed for cattle, so there are options out there for pain control, but it would require a veterinary prescription to be administered," he said.

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"I believe there are four or five non-steroidal anti-inflammatory drugs that could be used in a pain control setting, and a lot of the potential for pain is derived from inflammation post surgery, so those drugs would be good choices."

MARK FLYNN

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Crop breeding is not keeping pace with climate change

Yields are likely to fall if the current trendline continues, researchers say

STAFF

Crop yields will fall within the next decade due to climate change unless immediate action is taken to speed up the introduction of new and improved varieties, experts have warned.

The research, led by the University of Leeds, focuses on maize in Africa but the underlying processes affect crops across the tropics.

"In Africa, gradually rising temperatures and more droughts and heat waves caused by climate change will have an impact on maize," said lead author Andy Challinor.

"We looked in particular at the effect of temperature on crop durations, which is the length of time between planting and harvesting. Higher temperatures mean shorter durations and hence less time to accumulate biomass and yield."

It takes anywhere between 10 and 30 years to breed a new crop variety and the rate at which temperatures are increasing across the tropics means by the time the variety is in the field it is being grown in warmer temperatures than it was developed in.

The researchers found that crop duration will become significantly shorter by as early as 2018 in some locations and by 2031 in the majority of maize-growing regions in Africa. Only the most optimistic assessment — in which farming, policy, markets and technology all combine to make new varieties in 10 years — showed crops staying matched to temperatures between now and 2050.

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Prevention truly is worth a pound of cure

Vaccinations and biosecurity go hand in hand when managing cattle diseases

BY JENNIFER BLAIR
AF STAFF/CALGARY

For many producers, biosecurity is a little like closing the barn door after the cows have bolted.

“Sadly, in many cases, what it takes for producers to make the change is the ‘big problem’ where they get their butt kicked,” said Dr. Frank Garry, a veterinarian and professor at the University of Colorado.

“Then, eventually something changes — not because we want it to, but because it has to.”

So why don’t more producers put biosecurity measures in place before disaster hits?

“Tradition and habit,” Garry said at the University of Calgary Veterinary Medicine Beef Cattle Conference last month.

“Change is hard. It’s true, but in a certain kind of sense, it’s bullshit. It’s an excuse. The change will occur whether you do an active dance with it or not.”

Producers also think that biosecurity requires a lot of change — but that’s not the case, he said.

“Most biosecurity efforts don’t actually cost very much money. They cost a change in thought and in management.”

But on the flip side, infectious diseases do result in “ongoing loss and inefficiency.”

“You have reduced production

because you cannot have infectious disease on an operation and not lose money to decreased productivity in the animals,” said Garry.

Producers make money through a simple equation: The number of animals sold multiplied by their weight and the price per pound. Decreased productivity and increased death losses hit two parts of that equation.

“For every calf you lose, you lose 500 pounds of revenue. This is true whether cattle prices are good or bad,” said Garry. “And for every single calf you lose to whatever infectious disease you want to name, you better increase the weaning weight of your next 10 calves by 50 pounds to equal your lost revenue.”

“You’ll turn a lot of attention to getting that extra 50 pounds of weaning weight. My question is will you put the same energy and effort into something that actually decreases these losses?”

In most cases, implementing biosecurity measures simply means “being relatively thoughtful about a relatively few things.”

Three-pronged approach

Garry supports a three-pronged approach to disease management on the farm — using antibiotics, vaccines, and biosecurity in concert.

But prevention is worth a pound of cure, he added.

“Antibiotics are not a prevention tool. They don’t do jack to prevent problems in the herd,” said Garry. “You’re going to say, ‘I do prevent disease — I used vaccines.’ But do they really prevent disease? You are not going to vaccinate Johne’s disease away. It will not happen.”

Vaccines “modify” disease occurrence and decrease shedding of the infectious agents, but they can also be “questionable in their efficacy.”

“Without something else to back them up, vaccines are a waste of your money in many situations,” said Garry. “If you pair the vaccine with a biosecurity control program, now you have power. If you do not use both together, you will lose the game and squander a boatload of money.”

Unlike vaccinations, biosecurity is “not pathogen specific.”

“Most of the management practices that decrease disease transmission for one agent are effective against multiple. If you institute really good Johne’s disease control procedures, you will also decrease calf scours. They go hand in hand.”

How to build a plan

But in some cases, true biosecurity is impossible.

“There are so many infectious organisms that are already in the premise that, in many



“Most biosecurity efforts don’t actually cost very much money. They cost a change in thought and in management.”

FRANK GARRY

cases, biocontainment is more important for average everyday management than biosecurity,” said Garry. “We want management and hygiene practices that decrease the risk of introducing or spreading infectious disease, therefore reducing animal exposure.”

And that starts with a disease-monitoring and management plan.

“We want to prevent transmission, eliminate the agent, and increase immunity,” he said. “That requires a relatively specific strategy, which has goal setting, risk assessment, planning, implementation, and monitoring.”

The first step is education.

“You need to understand your target and what you’re doing. You need to know the agent and what it’s going to do,” he said. “Then you do a risk assessment.

Where am I likely to have problems on the farm? From that, I develop a management plan, and only then do I decide what I’m going to do to test it.

“But what it really takes is commitment.”

Producers don’t need to be running a “100 per cent sterile operation” to make a meaningful improvement in the health of their cattle, added Garry.

“There are no fail-safes. There are no places where you can say, ‘OK, I did that — the disease will never be a problem on my operation,’” he said. “Instead, we put in multiple hurdles, and each hurdle reduces the risk, and when you combine them, you get incremental improvement.

“You don’t have zero risk, but you’re getting pretty darn close.”

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\$125,000

2012 MacDon M155 Windrower / Swather, 1300hrs, 30FT, DBL KNIFE, DBL REEL, HYD DECK, HID, HDR SENSOR KIT

EQUIPMENT BUILT
NEW HOLLAND
SMART.

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COMBINES	
2011 New Holland CR9080 Combine, 1045hrs, GPS, DLX CHOP, 620 DUALS, DLX CAB, HID 790 CP HDR	\$243,000
2012 New Holland CR9090 Combine, 255hrs, NAV, AUTO G, DIFF LOCK, GPS, HID, 790 CP HEADER	\$369,000
2005 New Holland CR960 Combine, SEPHRS-1526, 76C SWATHMASTER, 14' BELT TYPE PICK UP	\$125,000
1998 Case 2388 Combine, 2228hrs, VERY GOOD CONDITION.	\$65,900
2009 John Deere T670 Combine,	\$199,000
2008 Lexion 570 Combine, 1000hrs, VARISPEED RTR, 3D SIEVE, XENON LITE, FEEDER DUST KIT, YEILD & MOISTURE	\$175,000
2007 New Holland CR9070 Combine, SrawCh 4R,Header Lift Cyl 70MM,Platform Ext 10"	\$189,500
2011 New Holland CR9080 Combine, 386hrs, AUTO G, GPS, DLX CHOP, DIFF LOCK, HID,LONG UNLOAD AUGER	\$309,000

HEADERS	
2010 Case 2152 Header, 35' COMES WITH CROSSAUGER, SKD, AUGER, ROCK GUARD.	\$58,000
2003 MacDon 973 Header, Excellent cond., 35' FLEX HEADER ON FACTORY TRSPT, PEA AUGER	\$31,000
2009 MacDon D60 Header,	\$61,600
2013 MacDon FD75 Header, 40' HDR, SKD, AUGER ADAPTER	\$82,000
2009 New Holland 94C Header, 30' HEADER	\$37,000

ROUND BALERS	
2010 Massey Ferguson 2856 Round Baler, 5444 BALES, AUTO TIE, BIG TIRES, NET AND TWINE	\$30,000
2010 Massey Ferguson 2856 Round Baler, 4500 BALES, AUTO TIE, BIG TIRES, NET & TWINE	\$30,000

SPRAYERS	
2013 New Holland SP240 Sprayer, 817hrs, 100' FRONT BOOM,ULTRAGUIDE B. LVL, VIPER CTRLRL,1200GAL TANK	\$249,000
Apache as710 Sprayer, 1051 HOURS 90' Boom, 750 gallon tank, rinse tank, Trimble GPS, sectional	\$115,000
2009 Spr Coupe 4660 Sprayer, 875hrs, 80 FT BOOMS, EZ STEER, CROP DIVIDE, DIESEL, HITCH	\$85,000

TRACTORS	
2012 Case TV380 Track Loader, 2100hrs, 2 SPEED, H OVER E CONTROLS, CAB (HEAT & AIR) AIR RIDE SEAT,	\$51,000
2014 Case MAXXUM 120 Tractor, 875hrs, L245 LDR, CAB, MFD, P.S.3 PT, 40 KLM, FRT FENDERS, 380/85R2	\$127,500
1997 New Holland 9882 Tractor, 7610hrs, NEW 710 METRIC DUALS,GROUSER 16' BLADE	\$109,500
2014 New Holland T6.155 Tractor, LOADER READY, 110V COLD WEATHR PKG, READ WHEEL WEIGHTS	\$145,000
2008 New Holland T7030 Tractor, MFD,	\$99,500
2003 New Holland TG230 Tractor, 230 HP,480/80R46 DUALS, 12' LEON BLADE, POWERSHIFT, DELUXE	\$76,500

WINDROWER	
2005 Premier 2952i Windrower / Swather, 2633hrs, HYD DECK SHIFT,2 SPEED HYDRO,JSUZU ENG,30"HDR,SNGL KNIFE.	\$55,900

742714

\$64,000

2009 Challenger SP185C Windrower / Swather, C/W CHALLENGER 5200 HEADER

742716

\$129,000

2013 MacDon M155 Windrower / Swather, 491hrs, SKD, HDS, FM750, STABILIZER WHEEL

742718

\$28,000

2011 New Holland 8N Tractor, 521hrs, FWA. CUT TRANS,3 PT HITCH,540 PTO, RETRO EDITION!

742721

\$375,000

2014 New Holland CR8090 Combine, 400hrs, 900S, 600RR, FULL GPS, LEATHER, AIR COMPRESSOR, HID,DLX CHOP

759628

\$23,900

2008 New Holland 1441 Disc Mower Conditioner, 15' rub/rubber chev. cond. rolls,D.Swivel hitch,hyd hdr tilt

772816

\$9,500

2002 New Holland 1431 Mower Conditioner

HEARTLAND

Community news
and events from
across the province

A young man's journey and how 4-H changed his life

As a 4-H leader there are times when you wonder if it is really worth it. It can be a little overwhelming. There is a ton of paperwork, the need to be beyond organized and at times you feel like you need to be in two places at once... and sometimes you really do need to be in two places at once. Volunteering as a leader is a lot of work and sometimes you just need reassurance that you are doing a good job.

Every now and then a kid like Jake shows up and it really hits you why you are a 4-H leader. Jake Drew is a member of our 4-H club. He started his 4-H career when he was nine and he will soon be turning 16. This year Jake blew us all away with his 4-H speech. When he was done, there wasn't a dry eye in the room and we realized this is why we are 4-H leaders. Here is an abridged version of Jake's speech. — Dorthea Mills, 4-H leader, Retlaw Prairie 4-H Beef Club

I'm going to take you all back into the past.

You can imagine it however you want, be it sitting in your chair or in the old DeLorean from "Back to the Future" movie. We are going back, six years ago.

This was a hard time for my family. My mom and dad had just separated. I was devastated, depressed, and miserable. I got into fights at school and I was always in a bad mood. I never did my homework and generally didn't care about anything anymore. When I came home from school and my mom got off work, we would talk and talk about everything that was going on. She would cry every night. Life from that point seemed to go in a downward spiral. I would fight constantly, yell and curse at everyone no matter who it was.

At that point everything was so depressing it was hard to imagine anything good ever happening again.

Before my parents split up I wanted to join 4-H but my dad didn't want me to. But as you can see, I still ended up in 4-H.

It was getting close to October and my mom asked if I would like to join 4-H. I told her I didn't know because I was so confused and emotional. I kept putting it off. I finally said yes, but I had already missed the first meeting. Luckily, my mom called Fran Geremia (our leader) and asked if I could



In this 2009 photo of the Retlaw Prairie 4-H Beef Club, Jake Drew is second from the left in the front row (wearing a red T-shirt). Calvin Holthe is second from the left in the back row (in a black and white plaid shirt) and is standing next to his brother Curtis (third from the left). PHOTOS: RETLAW PRAIRIE 4-H BEEF CLUB

still join. Fran said yes and I was so happy.

But when I went to my first meeting, I was terrified. I felt that everyone was judging and looking at me. I just froze. I looked for a seat as far away from everyone as I could get. I sat down and slumped in my chair and tried to block out everything.

All of a sudden I heard someone say, "Hi, what's your name?" I looked up and saw these two crazy kids a few years older than me. I was shaking so bad I could hardly say my own name. It took awhile but I finally said, "My name is Jake, what's yours?"

They said their names were Calvin and Curtis. That is when my whole life changed. We talked the whole time; telling stories, laughing and not really paying a lot of attention to the meeting. Before I knew it the meeting was over and we said goodbye. It was awesome!

The next meetings were good. I talked to Calvin and Curtis and learned how to take care of my calf. I wasn't really sure what I was doing with my calf at weigh-in. He was 600 pounds and taller than me. I was thinking, 'How the heck am I going to tame this beast?' We got the calves weighed in and had

lunch at Shannon Vissers' house, another one of our leaders, and it was one good meal.

Every weekend I worked with my calf. I named him Buddy, and that is what he was, my buddy.

The meetings were interesting and next thing I knew it was Public Speaking. I was so scared and didn't want to do it. I put it on the bottom of my to-do list. The time came and I still didn't have a speech so I wrote on the way to public speaking. It was terrible. It was hardly two minutes long and I was embarrassed to call it mine. You would think I would learn. I would not recommend that to anyone.

Things started to improve, in school, at home, at meetings — my whole life.

Finally, it was time to sell my calf. It was a lot of work setting up for the show but with a lot of blood, sweat and tears, we were finally ready to show.

The next day we weighed in the steers. Buddy weighed more than 1,200 pounds. He was huge!

He didn't place high in the show but he sold for a good price. He was my Buddy and I cried when I had to let him go.

All in all it was a great year and my confidence level was raised a lot. I



Jake Drew, shown at his club's mini show in May, says he was angry and depressed as a boy, but joining 4-H changed everything for him.

made some great friends, learned not to procrastinate and I learned to live again. (I still procrastinate though because I just wrote this speech last night at 10 p.m. and I am hoping that it will be long enough.)

4-H has changed my life. I am so grateful for it and it will always have a place in my heart. Now that you know a small piece of my life, I hope it will make a world of difference in yours.

Donation supports ag technician lab

Western Tractor Company is making a donation worth \$750,000 to Lethbridge College for its Agricultural and Heavy Equipment Technician apprenticeship program.

The gift will support the college's new trades and technologies facility through the creation of the Western Tractor Technology Lab — an advanced agricultural technologies room inside the first phase

of the new building. Western Tractor will supply the lab with industry-leading technology over a five-year period. The company has also signed a five-year agreement to supply John Deere equipment to the college. This will allow students to take all four years of their apprenticeship training in Lethbridge for the first time.

"We wanted to ensure that there was

an investment of state-of-the-art equipment, technology and leadership in the field of precision farming," said Steven Dyck, president and general manager of Western Tractor, which has locations in Lethbridge, Taber, Burdett and Medicine Hat.

The new trades and technologies facility will be completed in 2017. — *Lethbridge College release*

what's up

Send agriculture-related meeting and event announcements to: glenn.cheater@fbcpublishing.com

July 5: Agriculture Field Tour, Blue Hills Motel, LaCrete. Contact: Mackenzie Applied Research Association 780-927-3776

July 5: Farming Smarter Field School, 21108-21110 Jail Rd., Lethbridge (also July 6 and 7, same location). Contact: Jamie 403-381-5118

July 11: Organic and Low Input Field Day (Lethbridge Research and Development Centre/Leffer's Organic Farm), Lethbridge Research and Development Centre, Lethbridge. Contact: Organic Alberta 587-521-2400

July 12: Riparian Field Day, MSW Farms, Ponoka. Contact: Sarah Skinner 1-888-672-0276

July 14: Organic Grain Production Field Day, Newell Farm, Radway. Contact: Organic Alberta 587-521-2400

July 14: Medicine Hat Tour, Farming Smarter Medicine Hat field site. Contact: Jamie 403-381-5118

July 20: Livestock Gentec's Kinsella Field Day, Roy Berg Kinsella Research Station, Kinsella. Contact: Andrea 403-948-1528

July 20: Castor/Killam Field Day Tour, Battle River Research Group Office, Forestburg. Contact: Eric Neilson 780-582-7308

July 20: Promoting Sustainability & Safety of farm production seminar, West Central Forage Association office, Entwistle. Contact: WCFA 780-727-4447

July 21: Alberta Wheat Day, Farming Smarter field site, 21112 Jail Rd. Lethbridge. Contact: Jamie 403-381-5118

July 22-24: International Mountain Section of the Society for Range Management Summer Tour, University of Alberta Rangeland Research Institute Ranch (Mattheis Research Ranch), Brooks. Register at: rangeteam.wordpress.com by July 8.

July 26: Salinity Causes and Cures, Wheatland County Office, Strathmore. Contact: Rachel McLean 403-995-9466

July 27: 2016 Lacombe Field Day, Field Crop Development Centre, Lacombe. Contact: Ag-Info Centre 1-800-387-6030

July 28: Alberta Organic Producers Association field day, Daryl Cole Farm, Vegreville. Contact: Kathy 780-939-5808

July 28: Disease Plot Hop, Farming Smarter field site, 21112 Jail Rd. Lethbridge. Contact: Jamie 403-381-5118

STAFF

"AFRRCS will provide radio coverage in major urban centres and in the remote locations where public and officer safety are equally critical," said Marianne Ryan, deputy commissioner of Alberta RCMP.

STAFF

All 10 films can be viewed at no cost at <http://grasslands.nfb.ca/>.



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2012 New Holland CR9090
Guidance, duals, DSP, diff lock, deluxe chopper, 1220 eng hrs, 910 threshing hrs

\$299,000



2007 New Holland TJ480
800/38 duals, PTO, 4400 hrs, high cap hyd, diff lock

\$220,000



2007 New Holland CR9070
2200/1700 hrs, duals, L/A.

\$139,000



2009 New Holland CX8080
L/A 1766/1296 hrs

\$189,000



2014 Versatile 575
800/70R38 duals, 6hyds, HID, P/S, Leather, 679 hours

\$319,000

USED COMBINES

3 - 2014 Case IH 9230, 650/499 hrs, loaded, duals **\$420,000**
2013 Case IH 9230, 847/615 hrs, duals, loaded..... **\$299,000**
2013 Case IH 9230, duals, loaded, 1035/761 hrs.. **\$299,000**
2013 Case IH 9230, 1086/771 hrs, Guidance, L/A, duals, PU header **\$299,000**
2013 NH CR9090, 520/350 hrs, L/A, duals, guidance **\$350,000**
2012 NH CR9090, 1580/1031 hrs, dsp, duals, mav, leather HID **\$279,000**
2012 NH CR9090, 1240/910 hrs, Guidance DSP, diff, duals..... **\$299,000**
2011 NH CR9090, 1214/853hrs, elevation, loaded, guidance **\$289,000**
2011 Case IH 7120, duals, Guidance, PU, 1100/805 hrs **\$249,000**
2011 Case IH 9120, 1042/840 hrs, guidance, 2016 PU, fine chopper **\$269,000**
2009 Case IH 6088, YPM, Leather, Ext wear, 950/750 hrs **\$195,000**
2009 NH CX8080, L/A, 1750/1300 hrs **\$189,000**
2008 Case IH 7010, duals, fine cut chopper, L/A, 1661/1249 hrs **\$185,000**
2007 Case IH 2588, 2500/1925 hrs, chopper, HID, Duals **\$149,000**
2007 NH CR9070, L/A, 1768/1430 hrs **\$199,000**
2006 NH CR960, 2300/1900 hrs, 800 singles, work done in 2015 **\$111,900**
2006 NH CR960, 2300/1900 hrs, PU Header..... **\$119,000**
2004 Case IH 8010, 2006 2016, L/A, singles, 2663/1968 hrs **\$169,000**
2004 Case IH 2388, AFX rotor, chopper, AFS, 2357/2028 hrs., L/A, 2015 swathmaster PU **\$99,000**

USED WINDROWERS

2014 JD W150, 40 ft, roller, guidance, 68 hrs, mint condition **\$165,000**
2012 Case IH WD2303, 36 ft, 550 hrs, shears **\$110,000**
2012 MacDon M155, 35 ft D60, transport, 960 hrs **\$129,000**
2011 MacDon M205, 30 ft, 950/686 hrs **\$125,000**
2008 WD1203, 36ft, hyd roller, 550/403 hrs..... **\$95,000**
2007 MF 9435, 30 ft, 1007 hrs **\$85,000**

USED 2WD TRACTORS

2014 Case IH Farmall, 140A, Loader, MFD, 900 hrs.. **\$86,000**

USED HAYBINES

1999 NH 1475, 18ft..... **\$11,999**
1999 NH 1475, 16', rubber rolls..... **\$16,000**

USED 4WD TRACTORS

2013 Case IH 500, Quad, loaded, 1170 hrs **\$399,000**
2012 Case IH 550 Quad, 36" Tracks, Guidance, PTO, 1982 hrs, Lux Cab, HID Lights, HO Hyd **\$369,000**
2008 Case IH 485, Quad, PTO, 30" Tracks, luxury cab, 5430 hrs **\$199,000**
2006 Spray Coupe 4650, 1540 hrs **\$59,000**
2000 New Holland 9884, 6040 hrs, 710/70R38 duals..... **\$95,000**
1995 Case IH 9270, 4970 hrs, STD, 20.8/38 duals, 4 remotes, Guidance..... **\$85,000**

USED HEADERS

2014 Case IH 3162, 45', auger, transpeed..... **\$89,000**
2011 MacDon FD70, 35 ft, trans, auger, JD adapter. **\$69,000**
2011 Case IH 2152, 40 ft, DKD, transport, AFX adapter..... **\$65,000**
2011 Case IH 2152, 40 ft, auger, transport, aft & adapter, SKD **\$65,000**
2010 Case IH 2152, 45 ft, auger, transport, aft & adapter **\$59,000**
2009 Case IH 2152 35ft, transport, AFX adaptor..... **\$49,000**
2009 NH 94C-36, 36ft PU reel, transport, cr adapter..... **\$49,000**
2008 MacDon D60, 40 ft, adapter, auger, trans **\$38,000**
2008 NH 94C-30, 30ft, AFX adapter, transport..... **\$29,000**
2005 NH 994-30, 30 ft U2 pickup reel, tx adapter..... **\$27,500**
2005 NH 94C-30, 30 ft hyd fore/aft, trans, gauge wheels **\$39,500**
1996 MacDon 960D, 30ft draper, JD adapter, transport **\$8,900**
1994 Macdon 960, 30ft, tr adapter **\$10,000**

USED ROUND BALERS

2004 NH BR780, 590 pto, STD PU, Auto Wrap **\$16,900**

USED HARROWS

2014 Bourgault 7200, New never used, hyd angle, 84 ft **\$56,000**
1994 Degelman, 70ft, mechanical adjust, one yr old tires **\$21,000**

USED SPRAYERS

2012 Case IH 3330, 100ft, Aim, 2 sets tires, autoboom, accuboom, 1300 hrs **\$269,000**
2011 Rogator 1194, 120 ft, sectional, viper, 2250 hrs, 2 set tires **\$205,000**
2010 Rogator 1184, 120ft, raven guidance, 2 set tires, 1780 hrs **\$215,000**
2009 Case IH 4420, 120 ft, Aim, 2 sets tires, viper, 2550 hrs **\$239,000**

USED AIRDRILLS

2009 Case IH 4420, Guidance, 120ft, Aim, auto box, 2 sets tires, 2200 hrs **\$239,000**
2007 JD 4720, 90ft, Guidance, 1490 hrs..... **\$189,000**
2006 Spray coupe 4650, 1540 hrs, auto, 80ft, ezeesteer **\$59,000**
2006 Case IH SPX3185, 90', 2080 hrs, 750 gal, SCS460 rate controller, trimble EZ steer..... **\$105,000**
1998 Tyler Patriot XL, 5147 hrs, 750 gal, 90' booms, 12.4/38 tires, 3 way nozzle bodies..... **\$45,900**

USED DISCS

2011 Case IH PH800, 60on10, DS, VR, TBT 2010 3430 **\$200,000**
2009 Morris Contour, TBT 3350 FC, Mechanical, auger, 47", 10", new boots/knives..... **\$129,000**
2009 Morris Contour, 61 ft, 10", D/S, new knives, 2009 F/C 3850 Tank, TBT, Dual Fan, Mechanical. **\$135,000**
2009 Morris Contour, 71 ft, 12", 2011 8370 TBT, 3 tank, NH3 kit, blockage..... **\$169,000**
2007 Seedhawk SH60-10, 60', 10", NH3 kit, TBT 3380 tank, V/R..... **\$129,000**
1997 Bourgault 4300 Tank, DS **\$35,000**

USED DISCBIKES

2010 Lemken, Rubin 12S/1200, 40ft new blades... **\$120,000**

NEW GRAIN CARTS

2014 Unverferth 1610, U-Harvest, scale, tarp, tracks..... **\$149,000**
2013 Unverferth 1315, scale, tarp..... **\$82,000**

USED SKIDSTEER

2013 Case SV250, cab/AC

Lifescience and chemical companies eye greener fields as farm profits shrink

Ag-tech startups are gaining support from industry blue chips aiming to offset shrinking profits from farm bust

BY TOM POLANSEK AND
P.J. HUFFSTUTTER
CHICAGO/REUTERS

DuPont and Bayer have teamed up to invest in a new fund that will back agricultural technology startups, becoming the latest companies to pile into the multibillion-dollar industry as farm profits shrink.

The two chemical and seed companies along with venture capital firm Finistere Ventures and two others have launched a C\$19.25-million (all figures Canadian dollars) accelerator fund, called Radicle, that will back early-stage agricultural-tech companies, the fund said in a statement on Wednesday.

Of the \$19.25 million, \$7.7 million has been initially committed but the fund did not identify which companies would receive the cash.

While small in size, it marks the second time DuPont's investment arm has taken a stake in the ag-tech arena since launching in 2003, according to fund officials.

DuPont and Bayer did not respond to calls for comment.

The companies are joining a burgeoning industry of ag-tech investors hoping to profit from ever-more sophisticated tools in the food supply chain, from plant genomics and seed traits,

to drones and weather sensors for crops.

For seed and chemical companies, such ventures can bring access to new research that may complement — or fill gaps — in their product pipelines.

For venture capital firms — some of which have bought up land in recent years — it is also a way to try to ease the economic sting of falling farmland values.

Plunging prices

Returns on commodity farm products have declined as grain prices have dropped for the past three years due to global oversupplies. Corn futures are down about 40 per cent from three years ago due to large global harvests.

For startups, reaching out to funds can help them gain access to cash for research and new product testing without having to sell the whole company.

"There's nothing like commodity prices halving to focus your mind on how else you can make money," said Finistere partner Arama Kukutai in a recent interview.

Finistere has invested in companies including CropX, which is working on irrigation, and ZeaKal, which is trying to boost soybean yields.

In April, the firm partnered with farmland owner International Farming Corporation (IFC) to



Agriculture technology is attracting big investment but so far that hasn't translated into many products or users. PHOTO: THINKSTOCK

launch a different ag-tech fund. In that case, tech companies can test their products out of the lab and in the real world, said Kukutai.

The other members in the Radicle fund include OurCrowd, an Israeli venture capital firm, and California-based private equity firm Cloud Break Advisors.

Wednesday's launch comes after Bayer, Syngenta AG and other investors last month rolled out an \$11.5-million fund called AgTech

Accelerator to start new agricultural technology businesses and help keep them running.

On Monday, Kellogg Co. launched a corporate venture group called Eighteen94 Capital (1894), and announced plans to invest \$128 million in food and food-related tech startups. Kellogg follows similar moves by rival consumer packaged goods companies General Mills Inc. and the Campbell Soup Co.

Getting crowded

While the sector holds promise, blockbuster products are few and far between, and the ag-tech space is increasingly crowded, say critics and analysts.

Finding customers can be tough, too. Farmers and some agribusiness customers have been reluctant to pay for data services, particularly with farm income down by half since its 2013 high.

But that has not cooled investor interest. So far this year, the pace of investments in agriculture technology startups is about on par with a record \$5.9 billion in 2015, said Rob Leclerc, chief executive officer of AgFunder, an online food and agriculture investment platform.

That is double the amount seeded by venture capitalists and others in 2014.

"A lot of people are gravitating to technology because they see this as a better way to institutionalize an investment in food and agriculture," Leclerc said.

Concerns about how to feed a growing global population and uncertainty over food supplies amid shifting weather patterns have spurred investor appetite.

Corporate asset managers and large farmers are increasingly finding that "to really make land an attractive return basis, you have to leverage technology," Kukutai said.

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▶ Starting a new farm

▶ New technology

▶ Food production
- ▶ Ag innovations

▶ Renewable energy

▶ Production and marketing
- ▶ Exporting

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AIR DRILL

2013 Bourgault 3710, 50', 10"	\$189,000
2012 Bourgault 3710, 60', 12"	\$186,000
2010 Bourgault 3310, 75', 12"	\$95,000
2013 Bourgault 3320, 76', 12"	\$169,000
2013 Bourgault 3320, 75', 12"	\$139,000
2009 Bourgault 3310, 65', 10"	\$128,000
2011 Bourgault 3310, 65', 10"	\$138,000
2002 Bourgault 5710, 47', 10"	\$49,900
2008 Bourgault 5710, 64', 10"	\$89,000
1997 Bourgault 5710, 54', 9.8"	\$38,000
1998 Bourgault 5710, 54', 9.8"	\$38,000
2002 Bourgault 6350 Tow behind...	\$58,000
2003 Flexi-Coil 5000/3450, 57', 9"	\$89,000
2000 Flexi-Coil 6000/3450, 40', 10", Piller Openers	\$115,000
2010 Flexi-Coil P2060, 60', 10"	\$68,000
2011 NH P2070, 70', 10"	\$85,000
2008 NH SD550, 70', 10"	\$59,000
2010 CIH 700, 70', 12"	\$33,500
2008 CIH 700, 70', 12"	\$29,500
2007 CIH 700, 70', 10"	\$28,000

AIR TANK/CART

2008 Bourgault 6550	\$89,000
2013 Bourgault L6550	\$115,000
2013 Bourgault L6550	\$115,000
1995 Flexi-Coil 5000/1330	\$28,000
2015 Bourgault L7800	\$251,800
2013 Bourgault L6550	\$119,000
2011 NH P1070, Tow Behind	\$98,000
2010 Case IH 3430	\$45,000
Bourgault 3225,	\$13,500
2005 Bourgault 6550 Trailing	\$59,500
2012 Bourgault 6450,	\$115,000
2002 Bourgault L5200, 2 meters	\$22,000
2010 CIH 3430	\$45,000
2008 CIH 3430	\$39,500
2007 CIH 3430	\$35,000
1996 Bourgault 4300	\$13,800
2010 Bourgault 6700, Tow Be- hind Conveyor, 3 meters	\$118,000
2012 Bourgault 6350, Tow Behind	\$58,000

BALER/ROUND

2004 CIHRBX562, 12,600 Bales ...	\$13,800
2009 NH BR7090,	\$29,800
2003 NH BR780,	\$7,900
2005 NH BR780,	\$13,500
2003 NH BR780,	\$11,800
2006 NH BR780A,	\$14,500

BLADE

2007 Leon 4000 STX425- Frameless	\$13,800
2011 Leon Q5000 STX Quad	\$30,000
2007 Q4000 6 way TJ450	\$19,500
2013 Leon Q5000,	\$33,000

COMBINE

2014 NH CX8080	\$398,000
2007 NH CX8080, 2040/1720 hrs	\$178,000
2007 NH CX8080, 1650/1290 hrs	\$189,000
2015 NH CX8080, 135 Thr Hrs...	\$419,000
2015 NH CX8080, 135 Thr Hrs....	\$419,000
2014 NH CX8080, 455/388 hrs ...	\$385,000
2007 NH CX8080, 1002/785 hrs ..	\$189,000
2008 NH CX8080, 2009/1522 hrs	\$238,000
2008 NH CX8080, 2005/1538 hrs	\$238,000
2012 NH CR8090, 1144/917 Hrs	\$289,000
2012 NH CR8090, 1058/811 Hrs	\$299,000
2012 NH CR8090, 727/543 hrs	\$339,000
2012 NH CR8090, 890/761 hrs	\$298,000
2014 NH CR8090	\$398,000
2002 NH CX840, 3700/2500 hrs	\$78,000
1993 NH TX36, 1993/3079 hrs	\$25,000
1997 NH TX66, 3754/2781 hrs	\$38,500
1998 NH TX66, 3438/2643 hrs	\$39,500
1998 NH TX66, 2796/2188 hrs	\$48,000
1996 NH TR98, 2931/2211 hrs	\$39,000
1997 NH TR98, 2740/1934 hrs	\$48,000
1997 NH TR98, 3058/2357 hrs	\$28,000
2007 NH CR9070, 948/780 hrs	\$198,000
2007 NH CR9070, 1710/1253 hrs	\$179,000
2008 NH CR9070 1238/1026 hrs ..	\$179,000
2008 NH CR9070, 1434/1023 hrs	\$189,500
2008 NH CR9070, 1489/1020 hrs	\$195,000
2009 NH CR9070, 1733/1419 Hrs	\$169,000
2009 NH CR9070, 1597/1208 Hrs	\$179,000
2009 NH CR9070, 1351/1010 hrs	\$239,000
2010 NH CR9070, 1654/1240 hrs	\$189,000
2010 NH CR9070, 1300/1153 hrs	\$179,500
2010 NH CR9070, 1616/1190 hrs	\$189,000
2010 NH CR9080, 1289/873 hrs ..	\$268,000
2010 NH CR9080, 1410/964 hrs ..	\$258,000
2009 NH CR9080, 1347/980 hrs ..	\$249,000
2010 NH CR9090, 1333/907 hrs ..	\$309,000
2011 NH CR9090, 1302/901 hrs ..	\$280,000
2011 NH CR9090, 1087/837 Hrs	\$299,000
2012 NH CR9090, 868/632hrs	\$339,000
2012 NH CR9090, 788/619 hrs ...	\$379,000
2005 NH CR970, 2244/1501 hrs ..	\$138,000
2005 NH CR970, 2459/1821 hrs ..	\$138,000
2006 NH CR970, 1861/1300 hrs ..	\$169,500
2006 NH CR970, 1400/1100 hrs ..	\$178,000
2006 NH CR970, 1547/1219 hrs ..	\$189,500
2014 NH CX8080	\$398,000
1998 NH TX66, 2796/2188 hrs	\$48,000
2012 AGCO Gleaner S77, 423/323 hrs	\$298,000
2012 AGCO Gleaner S77, 446/346 hrs	\$298,000
2000 CIH8010, 1728/1322 hrs	\$189,000
2013 Claas 760, 361/233 hrs	\$389,000
2007 JD 9860STS, 1627/1161 hrs	\$208,000
2005 JD 9860STS, 1497 hrs	\$148,000

VERTICAL TILLAGE

2007 Bourgault 6000	\$25,800
2013 Salford I-2141, 41'	\$99,000
2014 Salford I-4141, 41'	\$115,000
2010 Salford 570 RTS, 30'	\$68,000
2005 Haybuster 2650	\$14,900
2002 Cattlelac 330,	\$18,500
2003 Bale King 3100, RH discharge	\$9,800
2003 Lucknow 285	\$12,800

GRAIN AUGER

2001 Brandt 1390,	\$9,000
2010 NuVision 5395,	\$21,000
2011 NuVision 6395, 95' Tele- scoping	\$19,500
2010 Richiger 9' Bagger with auger,	\$33,000

HARROW HEAVY

2011 Bourgault 7200,, 84'	\$47,000
2010 Riteway 8100, 78'	\$33,000

HEADER COMBINE

2012 MacDon FD70, 45'	\$75,000
2013 MacDon CA25, with UCA	\$23,000
2012 JD 635D, 35'	\$68,000
1996 MacDon 960, 25' transport ...	\$16,500
2010 Honeybee HB30, JD adaptor 30'	\$38,500
2010 Honeybee, HB30, Gleaner adaptor, 30'	\$49,500
2008 Honey Bee HB36,	\$48,000
1999 Honey Bee SP36, 36'	\$29,000
1996 Honey Bee SP25,	\$18,500
1994 Honey Bee SP36,	\$19,500
2008 JD 936D,	\$39,900
1998 MacDon 960,	\$25,000
1998 MacDon 871 TX Adaptor	\$6,000
2011 MacDon FD70-45,	\$75,000
2012 MacDon FD70-45,	\$78,000
2013 MacDon FD75 -35,	\$78,000
2010 MF 5100-35,	\$58,000
2006 NH 88C-36,	\$58,000
2008 NH 94C-30,	\$39,500
2009 NH 94C-30,	\$39,800
2008 NH 94C-36,	\$49,500
2003 NH 94C-36,	\$39,500
2000 NH 994-30,	\$38,000
1999 NH 994-30,	\$29,500
1998 NH 994-36,	\$19,000
1998 NH 994-36,	\$19,000
1992 NH SP30,	\$5,800
1994 NH SP30,	\$9,800
1997 Westward 9030	\$4,000

MOWER CONDITIONER

1992 JD 1600,	\$5,800
1999 MF 670 ,16' Hay Head	\$10,000
2000 MacDon 5010,	\$12,000
2012 MacDon R85, 16'	\$29,500
2006 NH 1475,	\$21,500
1995 NH 2216,	\$7,500
1995 NH 2216,	\$9,500
2000 NH 2300,	\$10,500
2012 NH H7560,	\$28,000
2010 NH H7150/H818, 18'	\$29,500

SPRAYER

1993 Flexi-Coil S65,	\$7,900
2003 Flexi-Coil S67,	\$19,500
2008 NH SF115,	\$24,900

SPRAYER/HIGH CLEARANCE

2008 Miller A75	\$139,500
2012 NH SP240	\$258,000
2009 Rogator 1084, 3160 hrs	\$159,000
2011 JD 4830, 1599 hrs	\$218,000
2008 CIHPatriot 3320, Eng Hrs: 3030	\$148,000
2011 JD 4830, Eng Hrs: 1820	\$218,000

SWATHER

1999 NH 994, 25'	\$15,000
2009 MacDon D60, 30' DK	\$33,000
2011 MacDon M150, 35'	\$118,000
2013 MacDon M105, 170 Hrs	\$138,000
2010 MacDon M150, 950 Hrs	\$109,500
2009 MacDon M150, 911 Hrs	\$89,000
2011 MacDon M150, 871 Hrs	\$125,000
2012 MF 9740,	\$98,000
2003 Premier 2952, 2098 Hrs	\$48,000
2005 Westward 9352, 1450 Hrs	\$69,000
2012 MacDon M155, 462 Hrs, 35' ..	\$138,000
1998 MacDon 960,	\$9,500
1998 MacDon 960, 25'	\$9,500

TRACTOR

2012 Case IH U105	\$59,000
1986 John Deere 4850, 11,460 hrs	\$58,000
2011 NH T7.170 - LDR, 2005 hrs.	\$119,000
2011 NH T7.270 AutoCommand - LDR, 2360 hrs	\$178,000
2001 NH TM125 - LDR, 7435 hrs...	\$48,000
2009 NH TV6070 - LDR, Eng Hrs: 4660	\$95,000
2004 NH TM175, 5200 hrs, LDR	\$74,000

TRACTOR 4WD

2009 CIH STX535Q, 3103 hrs	\$278,000
2014 NH T9.615, 1263 hrs	\$338,000
2012 NH T9.615, 2706 hrs	\$259,000
2002 NH TJ450, 9000 hrs	\$138,000

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Greetings from the show director

Welcome to the second annual Ag in Motion, Western Canada's first outdoor agriculture trade show which features demonstrations of farm equipment, crops, crop inputs and livestock in a real agricultural setting. We're a show that offers a new fresh atmosphere for farmers as well as companies to communicate and share knowledge. This year, Ag in Motion has grown in size with an increase in exhibitors and demonstrations because of what it offers.

Ag in Motion is held on a half section of typical Saskatchewan grain and oilseed farmland about 35 km northwest of Saskatoon on Highway 16. Visitors will be able to see crop plot demonstrations by a variety of local and international companies as well as by scientific experts from the University of Saskatchewan. Another important part of Ag in Motion is the opportunity to learn. The Agri-Trend Knowledge Tent presented by RBC will hold several daily seminars on today's farming practices.

There are over 100 acres dedicated to equipment demonstrations and test drives. It's an opportunity to see equipment working before choosing which one you need to purchase for your operation. You'll also be able to see the many innovations being unveiled at Ag in Motion 2016 highlighted by the Ag in Motion Innovations Program in partnership with the Agricultural Manufacturers of Canada. Also new for 2016, is a new Livestock Central at the show featuring dairy and beef cattle farm management.

I would like to thank the staff and volunteers for helping plan and implement Ag in Motion 2016. It takes a huge amount of dedication to run a trade show and great effort to manage the growth of a show in its second year. I would also like to thank the many companies that have put their faith in Ag in Motion, especially our parent company Glacier FarmMedia with its family of farm publications produced by Farm Business Communications and the *Western Producer*. Many thanks also go to our colleagues at Canada's Outdoor Farm Show in Woodstock, Ontario who have shared their time and expertise.

I invite you to attend Ag in Motion 2016. Please stop me and say hi. I'd love to hear from you about your experience at the show.

Rob O'Connor
show director, Ag in Motion

Ag in Motion boosts livestock programming for 2016



The new Livestock Central presented by BMO Financial Group will showcase live demonstrations, speakers and interactive exhibits featuring products and services specific to livestock producers.

Nestled between 1st Street and 3rd Street along Manitoba Drive, Livestock Central will feature indoor and outdoor exhibits. The indoor exhibits will be housed in a new 60x60-foot Livestock Pavilion, located at the corner of 1st Street and Manitoba Drive.

"After the success of our first year of Ag in Motion, we are thrilled to expand the expo site this year and to offer new highlights such as a dedicated livestock area," says show director Rob O'Connor.

To kick off the first day of Ag in Motion, Tuesday, July 19 has been designated "Dairy Day." All dairy producers in Western Canada were invited to attend this special day dedicated to showcasing the latest in the industry. VIP invites were included in the June issue of the *Milk Producer* and distributed by sponsors BMO Financial Group, Agri-King, Pro-mat, Grober Nutrition, New-Life Mills and *Milk Producer*.

Live Demonstrations and Speaker Program Daily Schedule:

- **Barley Silage Demonstration Part 1** – 10:30 a.m. in the Silage Demo Field – Eight acres of barley have been planted and Part 1 of this demo will showcase harvesting equipment including mowers, cutters and mower conditioners.
- **Cattle-Handling Demo** – 11 a.m. daily in the Livestock Central pasture area, Manitoba Drive and 1st Street – Experts from multiple manufacturers will explain the features and benefits of their products, as live cattle are manoeuvred through the different cattle-handling systems.

- **Livestock Speaker Program** – 2 p.m. in the Special Events Tent – Tom Snyders from Lely Forages will discuss forage management to achieve the goal of making quality feed and not just bales. Tom will cover important topics such as preparation and when to cut, height of cut, drying time, ash content, harvesting/baling, compaction of baleage and storage.

- **Livestock Speaker Program** – 2:30 p.m. in the Special Events Tent – "Essential lipids for life – is your calf thriving or surviving?" presented by PMT. Titan Clean Energy Projects Corp. will follow with information on its new feed additive product, Mayan Gold.

- **Barley Silage Demonstration Part 2** – 3 p.m. in the Silage Demo Field – Part 2 will showcase balers and bale wrappers from a variety of manufacturers.

Livestock Central presented by BMO Financial Group

As Canada's largest chartered bank lender to the agriculture sector, BMO Bank of Montreal understands agriculture, and the dedication and investment that go into every growing decision. Over the past two years cattle, hog, and field crop sectors in Canada have experienced significant price volatility, while dairy and poultry producers faced uncertain futures. Even with these challenges, the industry has adapted thanks to the resilient producers who adjust to change and remain optimistic about the future.

A new generation of farmers is expected over the next decade; succession strategies will become increasingly important. The future for agriculture looks bright and BMO is here to help by sharing its expertise in the agriculture industry.

"We are thrilled to be a part of the Ag in Motion Outdoor Expo and look forward to seeing you at the show July 19 to 21," says Marcia Lemon, VP Commercial Banking, BMO Bank of Montreal.



Unlike any western Canadian farm show

Ag in Motion offers farmers a unique opportunity to see live crop plots from a variety of seed and crop protection companies, all in one place. For year two of Ag in Motion, attendees will see more plots and even more variety.

“The aerial says it all,” says show director Rob O’Connor. “The crop plots are an eye-catching and clear way Ag in Motion sets itself apart from other farm shows in Western Canada. We bring the seed guides to life and better purchase decisions come from that.”

To prepare the plots, exhibitors begin planting a variety of crops on site in May and June to showcase their latest innovations and products. The crop plots, which are all 170 feet deep and range in frontage from 30 to 500 feet, are located around the perimeter and throughout the show site.

The live crop plot exhibits will showcase seed and inputs for a diversity of crops, including wheat, barley, oats, flax, hay mixtures, corn, soybeans and canola.

Here are a few of the crop plots and strip trials farmers can explore this July at Ag in Motion:

Alliance Seed	Monsanto Canada
ATP Nutrition	SeCan
BASF	Stoller Enterprises
Bayer CropScience	Union Forage
BrettYoung	University of Saskatchewan
CANTERRA SEEDS	Farmers Edge
Cargill	SaskCanola
Compass Minerals	SK Pulse Growers
Crop Production Services	Canola 100
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4-H Farm Safety Day comes to Ag in Motion

4-H Saskatchewan is coming to Ag in Motion this summer in a big way with an interactive Farm Safety Pavilion and 4-H Farm Safety Day.

On Thursday, July 21, the Farm Safety Pavilion on 5th Street will be home to the 4-H Farm Safety Day as well as ongoing farm safety stations all three days of the show. Youth and their families have the chance to visit several organizations to learn more about safety both on and off the farm.

Farm safety exhibits will be open for the entire show and the program will finish with the exciting 4-H Farm Safety Day taking place in the pavilion on the afternoon of Ag in Motion's last day.

Thursday is 4-H Farm Safety Day
Youth aged nine to 14 years old can register for this free afternoon program taking place at Ag in Motion. Participants will listen to captivating speakers sharing their stories, work through hands-on stations surrounding common hazards on the farm (i.e. electrical safety, fire safety, machinery safety) and end the day watching a demonstration of emergency response teams responding to a mock emergency scenario.

According to 4-H Saskatchewan, the program's goals are to build awareness of safety issues on the farm and to empower youth with knowledge to act in an emergency.

4-H Saskatchewan is pleased to be working with several partners for 4-H Farm Safety Day: Ag in Motion, Saskatchewan Safety Council, S.A.A.S.E., Canadian Centre for Health and Safety in Agriculture (C.C.H.S.A.), S.T.A.R.S., War Amps, and C.A.S.A.

Senior members and adults, ages 16 and up can join in too. Safety Ambassadors (SAs) will lead groups of participants through the stations. This is a special volunteer opportunity for senior 4-H members, parents and leaders.

Safety is important on and off the farm. The 4-H Farm Safety Pavilion will be open all three days of Ag in Motion from 8:30 a.m. to 4:30 p.m. Thursday's special 4-H Farm Safety Day kicks off at noon and runs until 4:30 p.m.

Registration is free and open to 4-H members as well as friends aged nine to 14 years old. More information and registration forms available at <http://www.4-h.sk.ca/events?id=444>.



AG IN MOTION SHOW DETAILS

SHOW DATES AND HOURS:
Tuesday, July 19th 8:30 a.m. – 4:30 p.m.
Wednesday, July 20th 8:30 a.m. – 4:30 p.m.
Thursday, July 21th 8:30 a.m. – 4:30 p.m.

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