

ON LOCATION: 2015 CANADIAN WESTERN AGRIBITION

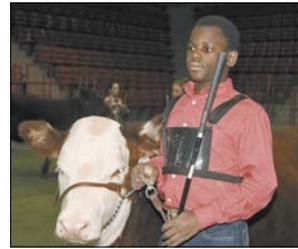
CHAROLAIS COW NAMED SUPREME CHAMPION

PZC TR Disirae 012 has a few awards pinned to her stall but this one crowns them all. | **Page 68**



HAITIAN ADOPTEE LEARNS WORLD OF CATTLE

Ken Paul of Okridge Farms in British Columbia has been enthusiastic cattle person since he saw his first steer at around age six. | **Page 69**



AGRIBITION

Farm show bids farewell to Evraz Place

Construction of new building underway

BY KAREN BRIERE
REGINA BUREAU

A week steeped in nostalgia ended with excitement about the future as the 45th Canadian Western Agribition wrapped up Nov. 28.

The show marked the last for 13 buildings on the Evraz Place grounds, leading to much reminiscing and celebrating their role in show history.

"As you know, the Auditorium is scheduled for demolition this year," said president Stewart Stone.

"We did some math and there's been over \$53 million in cattle sales there in the past 45 years. This is truly remarkable, and it's just one example of the relevance of the show and the importance of the show and the sales to the cattle industry."

Demolition of the buildings, including Exhibition Stadium and several old barns, will begin from the inside out as soon as Agribition has completely moved out.

Construction of the new \$37-million International Trade Centre, announced last summer, is slated for completion in time for the 2017 show.

That means inconveniences for the 2016 event, said chief executive officer Marty Seymour.

He said the construction schedule has not been finalized at this point, and he can't yet say how exhibitors will be affected.

However, most are looking forward to modern facilities that better accommodate cattle and people.

As well, Agribition announced a new partnership with the Canadian Professional Rodeo Association that will see the top 16 athletes in seven events kick off their 2017 season in Regina.

SEE NEW FEATURES, PAGE 4 >>

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About 150 people turned out at the Alberta legislature to protest Bill 6 Nov. 27. | MARY MACARTHUR PHOTO

FARM RALLY

Alta. farmers protest Bill 6

Worker legislation draws fire at farm rallies across the province as producers demand input

BY MARY MACARTHUR
CAMROSE BUREAU

EDMONTON — Protests against Alberta farm worker legislation keep building momentum.

A hastily built Facebook page opposed to Bill 6 had 24,000 members in only a few days, farmers packed a Grande Prairie hotel ball room Nov. 26 and about 150 farmers protested at the Alberta legislature Nov. 27. Another rally at the

legislature was attended by a few hundred people Nov. 30, and farmers rallied in front of the provincial building in Grande Prairie.

Meanwhile, farm equipment highway rallies were held in several locations Nov. 30, including Fort MacLeod, Lethbridge, Welling and Nanton.

Farmers have vowed to continue to challenge the bill if changes are not made.

"I don't agree with the bill," said

Stan Wilkie of Bashaw during the Nov. 27 rally in Edmonton.

"As farmers, we're pretty independent and it is an insult that they think they need to tell us how to look after our children. It's arrogant. The previous government was arrogant and now this one is too," said Wilkie.

Under the proposed legislation, Alberta's 45,000 farms and ranches will no longer be exempt from farm safety rules, workers' compensa-

tion requirements and labour standards.

Wilkie said the bill is an added cost that the farmer has to absorb and difficult to enforce.

"It is just going to be a hassle for all the farmers."

Kamren Birkbeck said his family works off farm to support the farm, but it is a life they have chosen.

SEE FARM RALLY, PAGE 3 >>



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WHAT'S IN THIS ISSUE



On farm: This Saskatchewan farm family enjoys working together. See page 22. | WILLIAM DEKAY PHOTO

NEWS

- » **FROM AGRIBITION:** A couple originally from Nova Scotia spent a productive week at Agribition. **4**
- » **EGG RULES:** A firm that collects eggs from small suppliers is accused of not playing by the rules. **17**
- » **CLUBROOT INFO:** New clubroot research has found the disease has a shorter half life than once thought. **15**
- » **WOLF KILLS:** More cattle are killed by wolves than grizzly bears in an area of southwestern Alberta. **60**

CORRECTIONS

David Kelton's name was spelled wrong in a story on page 24 of the Nov. 26 issue.
The two men in a photo on page 32 of the Nov. 26 issue were misidentified. D.M. Lockwood was on the left and R.P. Malis was on the right.

MARKETS 6



- » **OIL DISPUTE:** The oil content in this year's canola crop is disputed. **6**
- » **SUNNY OUTLOOK:** Markets are sunny for Manitoba's sunflower crop. **7**

FARM LIVING 19



- » **4-H AWARDS:** Teens recognized for leadership during national forum. **19**
- » **LOOKING BACK:** Former students recall their time in a one-room school. **20**

PRODUCTION 64



- » **HERBICIDE RESISTANCE:** Layering is one way to fight herbicide resistance. **66**
- » **ON-THE-SPOT TESTING:** A new baler tests forage for feed value as it is baled. **67**

LIVESTOCK 68



- » **TOP BULL:** An Alberta Angus wins Agribition's top bull award. **68**
- » **DISCOVERING CATTLE:** An adoption moves this boy from Haiti to a cattle ranch. **69**

AGFINANCE 72



- » **AGRITOURISM:** A Saskatoon family caters to the public's desire for farm fun. **72**
- » **EQUIPMENT SALES:** Deere expects farm equipment sales to continue dropping. **73**

COLUMNISTS

- » **D'ARCE MCMILLAN:** Palm crop prices are helping support oilseeds. **8**
- » **KELSEY JOHNSON:** The House of Commons resumes sitting. What's up for ag? **10**
- » **KEVIN HURSH:** Calf prices have seen a monumental collapse recently. **11**
- » **BRIAN MCLEOD:** The Bill 6 controversy in Alberta keeps us on our toes. **11**
- » **PAUL/ROBIN:** Alberta's farm worker legislation riles up our readers. **13**
- » **SARAH GALVIN:** Hanukkah celebrations have their own food traditions. **21**
- » **CLARE ROWSON:** A back pain complaint probably isn't caused by kidney stones. **23**
- » **JACKLIN ANDREWS:** Son may need help understanding his emotions. **23**
- » **BRUCE DYCK:** An Alberta farmer again won a world wheat king title. **26**
- » **OUTDOOR PURSUITS:** This handmade knife is expensive but built to last. **27**
- » **ANIMAL HEALTH:** Producers are urged to use needles safely and efficiently. **71**
- » **COLIN MILLER:** The capital gains exemption hinges on qualified farm property. **73**

REGULAR FEATURES

Ag Stock Prices	72
Classifieds	31
Ag Notes	24
Livestock Report	9
Market Charts	74
Opinion	10
Open Forum	12
On The Farm	22
Weather	75

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FEATURES



AGRIBITION PHOTOS
What do you get when you send an award-winning photog to Agribition? A collection of excellent photos capturing the event, that's what.



BILL 6 POLL
Some are saying it will ruin farm life forever, while others counter with, it's simply an effort to make the farm workplace as safe as any other. What do you think?



HEMP POLL
Canadian growers want Health Canada to recognize hemp as a beneficial natural health product. What do you think?

VIDEOS

HERBICIDE LAYERS
Layering herbicide may be the key to preventing weed resistance, says a weed specialist.



G-G-GRAIN AUGER
Robin Booker found a telescoping grain auger among the equipment at Agribition.



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▶ **PLUS:** Links to all of our Agribition 2015 coverage are available via the following URL: <http://bit.ly/1LArr7r>.

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FARM POLICY

Slow down Bill 6, say farmers

Attendants at an Alberta meeting are wary of how new farm worker bill will impact their farm

BY MARY MACARTHUR
CAMROSE BUREAU

GRANDE PRAIRIE, Alta. — Almost 400 angry farmers sent a clear message to the Alberta government last week: they don't want the new farm safety legislation and they believe it is being rushed through without consultation.

"This is insulting," said Jamie White of Teepee Creek.

"The idea that we cannot look after our business and the government has to is insulting."

White wants the government to step back, listen to farmers and then develop legislation, rather than the reverse.

Farmers started pouring into a ballroom in Grande Prairie 45 minutes before the farm safety consultation meeting was scheduled.

"It has to be a controversial thing to get this many farmers at a meeting," said Glen Kjemhus of Hythe.

"We don't really know what is being proposed, and they have a tight timeline to get it in."

Cliff Richards of Grande Prairie said he came to the meeting to find out how the new proposed farm safety legislation would affect his farm.

"I farm, and I want to know some more information. I am very concerned about potential costs. The family farm cannot afford to have their farm up to occupational health and safety standards," he said. "It all boils down to affordability."

Richards is also concerned about how quickly the legislation was introduced.

"This thing came so fast we don't even know where it came from or what it's about."

Bill 6 proposes changes to Occupational Health and Safety, Workers Compensation, Labour Relations, Employment Standards and the Occupational Health and Safety Code.

The province's 45,000 farms have previously been exempt from farm safety, employment standards and labour laws.

The bill would come into effect at the beginning of the year, but the technical standards and how they would be applied to farms,



Mariah Wohlgenuth of Crooked Creek and Jamie White of Teepee Creek, Alta., ask questions at the farm and ranch consultation meeting in Grande Prairie. | MARY MACARTHUR PHOTO
FOR MORE STORIES ON THE ALBERTA FARM LABOUR BILL, SEE PAGE 16.

are yet to be designed.

White said he doesn't understand how a bill can be introduced without input from farmers.

"How can they make an informed decision with no information?"

Officials from Workers Compensation and Occupational Health and Safety stood at the front of the packed ballroom and tried to answer questions about how the legislation would impact farmers.

However, without technical rules, which are yet to be written, their vague answers gave farmers and ranchers little confidence.

Andrea Conrad of La Glace came to the meeting to see if she would be breaking the law by allowing her children to help with chores. After three hours she didn't have a clear answer.

"Why set up a meeting when there is no answers. I am leaving this meeting with more uncertainty than I came with," she said.

Ross Nairne, executive director with Occupational Health

and Safety, said the answers will be unclear until technical rules are developed and implemented in 2017.

"We'll work with farmers, industry, labour to develop those technical rules for Occupational Health and Safety over the next 12 months."

Marielle Guynup wanted to see elected officials at the meeting rather than government bureaucrats.

"It was very cowardly of the government not to come when this is something they say they care about our input. They darn well should have been here."

Guynup said the legislation doesn't take into account the melding together of work and recreation on the farm. The worksheets that were handed out at the meeting clearly divide recreational activities from livestock, but for Guynup's family, they are the same.

"My kids do recreational activity with what you define as livestock," she said.

"You cannot divide the recreational activities from our farming operations when we live on a farm and have 4-H and rodeo and it is a farming way of life."

White hoped the officials taking notes at the meeting will take note of the anger, fear and frustration in the room and that labour minister Lori Sigurdson will put the proposed legislation on hold.

"There is a glimmer of hope she will do the right thing and put it on pause."

Katie McLachlan of Fairview attended the meeting with her brother and mother, looking for answers for their family farm. Instead, she saw families concerned about running their business and possibly breaking the law by involving their families.

Officials assured farmers their message would be passed on to government.

"You can't transcribe emotion," said McLachlan. "I thought a riot would break out."

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This bill is about safety. We want to prevent farmers from losing their farm and we want to make sure that we protect the lifestyle.

LORI SIGURDSON
ALBERTA JOBS MINISTER

FARM RALLY DRAWS SUPPORT

» CONTINUED FROM PAGE 1

"No one can tell us I can't help calve my calf at 40 below to help us make a living and make our payments," said a tearful Birkbeck.

Kayla Trautman of Stony Plain came to the Nov. 27 rally to tell government that farmers must be heard.

"Maybe there should be someone listening to farmers before making the rules," she said.

Alberta jobs minister Lori Sigurdson wandered into the crowd briefly, citing the case of farm worker Kevan Chandler, who died in a farm accident on a southern Alberta feedlot. His widow later sued the farm and it went broke.

"This bill is about safety," said Sigurdson. "We want to prevent farmers from losing their farm and we want to make sure that we protect the lifestyle."

In a news release after the rally, Sigurdson said: "I want to assure those families that Bill 6 does nothing more than bring Alberta's safety standards on farm and ranching operations in line with every other province in Canada."

"Family farms have thrived in those provinces and they will continue to do so in Alberta."

Nine government consultation meetings will be held across the province until Dec. 14.

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What's your take? Join us at www.producer.com or follow us on social media.



FARM POLICY

Alberta Hutterite colonies want exemption from farm worker compensation bill

BY MARY MACARTHUR
CAMROSE BUREAU

GRANDE PRAIRIE, Alta. — Mandatory workers compensation premiums would cost Alberta Hutterite colonies more than \$22 million a year, said the Hutterite business adviser with accounting firm MNP.

Gord Tait said his clients are not only concerned about the potential cost of the mandatory coverage but that it infringes on their Hutterite religious beliefs.

Tait, who is an adviser to more than 20,000 Hutterites in Alberta, said they have had no discussion with government officials on how

the proposed legislation would affect colonies.

Hutterite Brethren live a communal lifestyle with communally shared property and look after their own families from birth to death.

As a result, they don't need workers compensation, Tait said before the first of nine farm safety consultation meetings was held in the province to discuss workplace safety legislation.

"There is a pretty strong commitment from colonies to look after everyone for their entire lives. They've had their own workers compensation in place for 500

years," he said.

"Colonies have a strong commitment to provide all things to all their members for their entire life. It is a massive obligation."

Under the proposed bill, all farms would pay workers compensation premiums based on wages paid. Colony members are not paid a salary and premiums would be based on a value of service.

Workers compensation would be unworkable with no single owner or employees, he said.

Allowing colonies to opt out of mandatory coverage would not create a double standard for colonies and other farmers, he added.

Tait said colonies may be opposed to mandatory workers compensation, but they do believe in improved safety standards.

"The colonies always support the development of increased safety and security standards to have a safe work place."

The death of a 10-year-old boy while driving a forklift on the Loughheed Colony a week earlier was an unfortunate accident, he said.

Tait said he came to the meeting to learn how the proposed legislation would affect colonies.

"There are pretty far reaching, scary things that will be discussed here," he said.

There is a pretty strong commitment from colonies to look after everyone for their entire lives. They've had their own workers compensation in place for 500 years.

GORD TAIT
BUSINESS ADVISER

"They have cast a pretty big net, and it concerns us."

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NEW FEATURES FOR NEXT YEAR

» CONTINUED FROM PAGE 1

The Canadian Cowboys' Association is moving its finals from Agribition to Swift Current, Sask.

There will be four performances of pro rodeo with the participants divided into two pools of eight, but no finals. They will compete for \$100,000 in prize money.

This year's Agribition saw increases in attendance and sales, Stone said. Anecdotally, urban and first-time attendance were up, he said.

The bus program that last year offered both a ride and show admission at no cost and this year cost \$3 saw a 40 to 50 percent increase.

New events and attractions, such as the Food Pavilion, appeared popular, and about 7,000 school-children went through the show.

In the sale ring, the number of lots sold and sale averages were up more than 10 percent.

The purebred highlight was a 25 percent share in a Hereford cattle semen package from ANL C HARTI100TAHOE86ET23B from Saskatchewan breeders ANL Polled Herefords of Steelman, Sask., Haroldson's Polled Herefords at Wawota, Sask., and Crittenden Bros. at Imperial, Sask., which sold to Tahoe Breeders Group for \$41,250.

In the Angus Power and Perfection Sale, an open heifer, Wiwa Creek Evergreen 516'15, sold for \$34,000, and a bred heifer, Remital F Miss Queen 123B, sold for \$32,000.

The commercial cattle sale was also strong. Mebs Ranch from Broadview, Sask., consigned a pen of five bred heifers, which sold for \$5,000 each to Palmer Charolais.

The average bred heifer price was \$3,424.29, while the average open replacement price was \$2,066.67.

The international program saw about 700 visitors from 70 countries.

"One significant item to note is we had about a 25 percent increase in active buyer registrations, so that's really impressive," Stone said.

"We've got a strong and healthy livestock economy in Western Canada, but internationally they still see this as the place to seek out genetics and related livestock products."

Seymour said \$5 million worth of cattle are traded at Agribition annually.

He said the uncertainty about facilities for next year won't prevent producers from coming.

"The Agribition banner has a lot of value to the industry," he said.

"That's a marketing platform you can't buy. I don't think you can stay home."

Next year's Agribition will be held Nov. 21-26.

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The Agribition banner has a lot of value to the industry. That's a marketing platform you can't buy. I don't think you can stay home.

MARTY SEYMOUR
AGRIBITION CHIEF EXECUTIVE OFFICER

HARD WORK PAYS OFF

These are just a few of the people (and animals) who took home top honours at Canadian Western Agribition this year.



LEFT: It's OK for cowboys to cry, especially when they win the Agribition RBC Beef Supreme Challenge. Rod McLeod was brought to tears when one of his cows won champion female at the event. Rod and April, right, and daughter Megan debate the merits of the winning cheque and sapphire studded belt buckle after the win, while Rod gets a little teary. McLeod Livestock is from Cochrane, Alta., and their winning cow was PCE Desirae 012 and was Agribition's Grand Champion Charolais female.

RIGHT: Tanya Belsham holds her banner at the Agribition RBC Beef Supreme Challenge all breeds competition. Her champion bull won at the Interior Provincial Exhibition at Armstrong, B.C. to qualify for the big Agribition event. Two year old May-Way Breakout 1310 was shown by Belsham of Poplar Meadows Angus of Houston, B.C. | MICHAEL RAINE PHOTOS



AGRIBITION

Dolliver family shows its ranch heart

JT Livestock embarks on hectic show circuit, takes prize for grand champion Shorthorn female

BY BARBARA DUCKWORTH
CALGARY BUREAU

REGINA — The beef business has taken the Dolliver family all directions on the compass.

Originally from Nova Scotia, John and Tammy Dolliver moved to Alberta eight years ago. Later this year, the family and their cattle will be moving further west to join Tanya Belsham to work at Poplar Meadows Angus in Houston, B.C.

Speaking with a Maritime brogue, John describes how the cattle show circuit has taken him to events throughout North America, where he worked as a professional groomer and fitter. They made the trek from the East Coast and chose to move to the arid country of east-central Alberta for their new home.

"We drove into Stettler, the wife and I," he said.

The move to Stettler was a big change from their mixed farm back east where they had cattle, pigs and apples. Back home, they were used to a green landscape and frequent precipitation.

This year at Canadian Western Agribition in Regina, they showed they are ranchers at heart.

They had the grand champion Shorthorn female and sold the bull calf at side that they own with



Pinch Hill Cattle Co. for \$19,500 to top the breed's sale. They offered full possession and a half interest.

Their grand champion came from Nova Scotia stock and stood in the top 10 at the final Supreme show held Nov. 29.

Their daughter, Katherine, has been showing cattle since she started school and has won such presti-

gious events as the carcass competition at the Calgary Stampede with a home raised heifer in 2014.

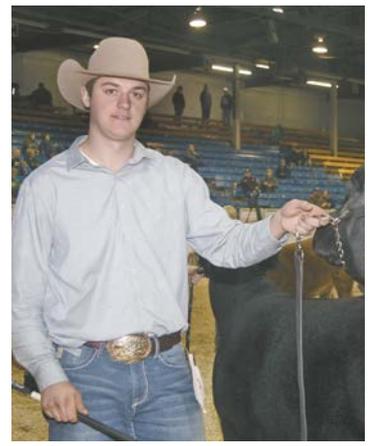
Showing is a major part of their life, and she has accumulated enough winnings to build a tidy education fund for university next year. They attend at least 17 shows a year.

"This year we cut back because Katherine is in Grade 12. We got

to jackpot shows and we are probably down to 10 this year," he said.

A large part of the family business is raising and selling show cattle. They offer a mix of breeds that may include Chianina, Shorthorn, Simmental, Maine Anjou and others to produce a

CONTINUED ON NEXT PAGE »



Nolan Blair of Drake, Sask., won the Canadian Junior Beef Extreme with an Angus cow at Canadian Western Agribition held in Regina Nov. 23-28. | BARBARA DUCKWORTH PHOTO

CLOCKWISE, FROM TOP LEFT: McCaw Livestock of Whitewood, Sask., sold this bull for \$20,000 at the Canadian Western Agribition Charolais Sale on Nov. 26. Cam and Betty Ann Stewart of Paynton, Sask., were the buyers. | BARBARA DUCKWORTH PHOTO

ANL Polled Herefords, Haroldson's Polled Herefords and Crittenden Polled Herefords, all of Saskatchewan, offered a quarter semen interest in this bull named ANL C Har T100 Tahoe 86 ET 23B at the Canadian Western Agribition Hereford sale on Nov. 26. The bull fetched \$41,500 from the Tahoe Breeders Syndicate. | BARBARA DUCKWORTH PHOTO

Craig Flewelling of Bowden, Alta., tells the crowd attending Agribition's Beef Supreme Challenge in Regina that "if this were baseball this would be the World Series." | MICHAEL RAINE PHOTO

Vern Davidson is at the halter of the grand champion Gelbvieh bull. | BARBARA DUCKWORTH PHOTO

OPPOSITE: John and Tammy Dolliver of JT Livestock of Stettler, Alta., and Pinch Hill Cattle Co. of Ontario sold full possession and 50 percent semen rights in this 2015 bull at the Canadian Western Agribition Shorthorn sale for \$19,500. Tammy Dolliver is at the halter. | BARBARA DUCKWORTH PHOTO

steer suitable for showing at 4-H, junior and jackpot events.

This year they staged their first online auction for three days over the Thanksgiving weekend. About 200 people signed in and they sold cattle from British Columbia to Nova Scotia.

"I knew it was going to be good because a lot of people were looking," he said.

Show steers are popular in the United States, where they may sell for thousands of dollars. The trend is growing in Canada.

"The States have bigger dollars for the steers, but it is building here more and more," he said.

"It is getting stronger and stronger. It seems to be a new generation of kids coming along and they want to show."

He is selective and wants to provide structurally sound cattle. He is also willing to teach and work with the children who buy their steers so they can learn how to train and groom them.

More Canadian events are offering larger junior cash prizes and scholarships so a young person has the potential to earn \$20,000 on a steer, he said.

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AGRIBITION

Horse sale draws big crowds but few horses — what happened?

BY KAREN BRIERE
REGINA BUREAU

The stands were packed as usual but the thousands of people used to watching as many as two dozen ranch horses go through the Canadian Western Agribition sales ring saw less than half that number last week.

Canada's Premier Select Ranch Horse Sale drew just four entries this year and no prospect horses at all. Instead, there were five barrel horse prospects and two horses used in a trainer's challenge during the show.

Prices were still strong, as the top selling ranch horse, Battle Star Becky, consigned by Connie Bryce of Arcola, Sask., went for \$7,300, and two of the barrel prospects, Beacon Crime from Rigetti Farms at Moose Jaw and Smokin On In from Blair Anton at Fox Valley, Sask., sold for \$10,500 each. One of those went to Medicine Hat, Alta., and the other to Williston, North Dakota. The average on the four ranch horses was \$5,850, while the

prospects averaged \$6,085.70.

Agribition chief executive officer Marty Seymour couldn't explain why the committee that works to recruit horses wasn't as successful as past years.

He said the show would "do some forensics" and get feedback as it prepares for next year. "One thing is it's brought forward a lot of people saying, 'hey, can we help' or 'what can we do to make it stronger,'" he said.

Seymour said online sales had a big impact on how horses are bought and sold and it costs a lot to train a horse and bring it to Agribition.

The marketing expense of selling one horse versus eight cattle at the show is considerable, he said.

As Agribition looks forward to new space in the International Trade Centre for the 2017 show, Seymour said horses could play a bigger role in the event.

The draft horse events left the show several years ago and people still ask if they will be back.

"Once we get this trade centre

up and running, it gives us a chance to re-evaluate all our programming," Seymour said. "The new building has box stalls in part of its layout."

He said next year, while construction is underway, is not the time to add new big footprint programs.

"If you look at our space, we filled every corner of this place this year," he said. "It would be naive to think we could just stroke a pen and put heavy horses back on the program but it always needs to be on the table. Always."

Meanwhile, the results of the ranch horse competition saw Drylittle Dually, owned and ridden by Michael Belof of White City, Sask., take first place, followed by Jessie James Dot, owned by Barry Good of Fillmore, Sask. and ridden by Belof.

Third place went to Good Smoken Boon, owned and ridden by Lorne Davey of Wilkie, Sask., followed by Bryce's entry ridden by Nick Schmidt.

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Online sales had a big impact on how horses are bought and sold — it costs a lot to train a horse and bring it to Agribition.

AGRIBITION

Young champion wins big

Angus breeder wins junior championship

BY BARBARA DUCKWORTH
CALGARY BUREAU

REGINA — Two young men who have grown up showing cattle finished their junior careers on a high note at Canadian Western Agribition.

The Canadian Junior Beef Extreme top prize went to Nolan Blair of Blairs West Land and Cattle at Drake, Sask. He received a cheque for \$3,000 with a black Angus female that has won numerous competitions this fall. This same female earned \$15,000 for the right to flush at the Power and Perfection Angus sale earlier in the week.

An experienced showman who admits he still gets a twinge of nerves at a competition, Blair has finished his junior career because he has turned 21. The prize money will be invested in his future.

"I'll probably buy more cows," he said.

When he is not working on the farm, he is an agriculture business student at Lakeland College at Vermilion, Alta. He graduates this year and plans to return to the farm.

Chance Jackson of Sedley, Sask., has won reserve twice and the championship once and must retire as well.

"I was in since the first one and I decided to see it right through to the end," he said after the show.

His commercial cow earned him the reserve champion banner and \$2,000. Sired by a club calf bull, its dam was a Speckle Park.

The junior show also offers a best bred and owned category, which was awarded to Jake Rawluck of Moosehorn, Man., while reserve went to Kodie Doetzel of Lipton, Sask.

The Canadian Junior Beef Extreme competition had about 150 youth showing their females. Many are experienced show people and led out their 4-H and junior project females.

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MARKETS



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Export demand for canola is expected to remain strong through 2016 due to reduced Chinese production. | FILE PHOTO

EXPORTS

Canola's market promising but price may not rise: analyst

Canola fundamentals support price, but soy oil will limit gains

BY SEAN PRATT
SASKATOON NEWSROOM

Canola market fundamentals look promising but don't expect a big price response, says an analyst. Production problems in key exporting and consuming regions have created a bullish picture for the crop.

The Australian Oilseeds Federation expects a 2.96 million tonne crop.

That is better than what many forecasters expected. The country got timely rains to thwart the dry conditions brought on by El Nino. But it will be the smallest crop in four years, continuing a steady downward trend over that time. The oil content is also below average.

Glen Pownall, managing director of Peter Cremer Canada, expects Australia to have a strong export program but it will all be going in one direction.

"All of their canola for all intents and purposes should go to Europe," he said.

That is because farmers in the European Union had a disastrous year. They produced 21.5 million tonnes of canola, down from 24.1 million tonnes a year ago. Dry weather reduced yields, particularly in France.

That means Australia won't have enough excess canola to compete with Canada in the Chinese marketplace.

"They were never a huge force by any means to compete against but this year I don't see them supplying that market at all," said Pownall.

"Canada will do that 100 percent this year."

Chinese demand is strong despite crush margins that have fluctuated to slightly positive from negative at times.

Fund selling has lowered canola futures enough to spark trade into China the past few weeks.

"From the beginning of this crop year through January, I see the export program to China actually being pretty good and much better than I anticipated," he said.

Crushers are well covered through January but Pownall anticipates China will end up taking four million tonnes of Canadian canola in 2015-16, which

would be the same amount as the previous year.

The International Grains Council estimates China is sitting on a stockpile of six million tonnes of rapeseed oil.

If some of that oil hits the market, it could temper crusher demand for Canadian canola.

Pownall believes that is unlikely because rapeseed oil prices are well below what the Chinese government paid for its supplies and it does not want a loss on the books.

Demand is expected to remain strong through 2016 due to reduced Chinese rapeseed production.

China's rapeseed subsidy program has been transformed to a patchwork of less lucrative provincial programs from a national program.

"Because they have essentially removed the support price and put it at such lower levels year-over-year, I think acres are going to be down 20 percent," he said.

Chinese corn support is also down but not wheat.

"What they are doing is maintaining the support program on wheat, so I think the Chinese farmer is going to increase his wheat acreage substantially," said Pownall.

It is a mixed bag for winter rape-

seed crops in other countries. The IGC estimates planting in the EU at 16 million acres, which is the same as last year but lower than previous years.

Fall conditions were generally favourable.

That is not the case in Ukraine, which is the world's third largest canola/rapeseed exporter behind Canada and Australia.

One-third of the country's rapeseed crop was rated in poor shape as of Nov. 12, worse than the 19 percent last year and the five-year average of 15 percent.

"Most plants were expected to enter winter in an underdeveloped condition with up to 15 percent of the area seen failing to emerge due to dryness," according to the IGC report.

Ukraine farmers seeded 1.6 million acres to winter canola, down 36 percent from the previous five-year average.

"Total production is tentatively projected at a nine-year low of less than 1.3 million tonnes," reported the IGC.

Despite the bullish canola fundamentals around the world, Pownall does not expect stronger canola prices due to the glut of soybean oil on the market.

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CANOLA

Canola oil content disputed

Port analysis shows canola oil content is down one percent

BY SEAN PRATT
SASKATOON NEWSROOM

There is some dispute about the oil content of this year's canola crop.

The Canadian Grain Commission reports the mean content of No. 1 canola in Western Canada this year is 44.3 percent based on 1,798 samples.

That is almost identical to last year's number of 44.2 percent.

However, based on an oil analysis of vessels loaded at Port Metro Vancouver, the oil content is down one percent compared to last year.

"We don't understand as a trade why the oil content is so low out of Saskatchewan and Alberta this year," said Glen Pownall, managing director of Peter Cremer Canada.

Oil content is determined during the pod fill stage of development, which occurs late in the summer.

"If you have hot conditions in August, typically you lose oil content but I don't think we had poor conditions during that timeframe," he said.

"So I'm a little bit baffled as to why we're seeing such poor oil content in the seed."

Cremer does not put much faith in the CGC estimate because it is based on a limited sample size. He believes what gets loaded onto a ship is a more accurate reflection of what Canada has to sell.

He said end users are going to have to "re-jig" their crush margin calculations to compensate for the poor oil content. It will likely result in a lower purchase price for the canola or a higher price for the oil.

"We already have very poor margins in China and if you take off one percent of oil, it makes it even worse," said Cremer.

Patti Miller, president of the Canola Council of Canada, has not heard any concerns about poor oil content and neither have her contacts at the Canadian Grain Commission.

She said the CGC's estimate of oil content could differ from a vessel analysis because the CGC measures oil content on the basis of perfectly clean canola. Canola loaded on the boats includes dockage.

Miller also noted that the CGC estimate is the average of samples taken from across the Prairies.

The canola loaded on a vessel could be drawn from one specific region that may have had lower oil content because of poor weather conditions in that area, she said.

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SUNFLOWERS

Markets are sunny for Manitoba's sunflower crop

Planted acres have been declining over the past decade, while prices and yields have both pushed higher

BY ROBERT ARNASON
BRANDON BUREAU

Manitoba sunflower growers didn't reap a bumper crop this year, but the industry is well positioned for growth because acres are on the rise and yields this fall were decent.

Troy Turner, National Sunflower Association of Canada agronomist, said most producers were satisfied with the oilseed's performance in 2015.

"With (rain) and the humidity we had, we did see a few different diseases that we don't normally see," Turner said from his office in Carman, Man. "Overall we're fairly happy with what we've seen.... The yields are a nice average yield. I think we'll be over 2,000 pounds (per acre)."

Manitoba sunflower acres have declined over the last seven to 10 years, falling from 190,000 in 2006 and 2007 to 70,000 in 2013 and 80,000 last year.

Turner said seeded acres were around 104,000 this year, with about 75 percent of the acres in confectionary sunflowers and the remainder in black oils.

Before the growing season, processors were offering production contracts around 24 cents a pound for black oils and 28 cents for confectionary.

The higher price encouraged more confectionary acres in Manitoba, but the logistics of selling black oils is also a factor.

"We don't have a (sunflower) crush plant here in Canada," Turner said.

"To load your oilseed sunflowers on a truck, to go to crush, the closest is probably Fargo.... For a lot of guys, it just doesn't pencil out."

Most Canadian black oil sunflowers are sold into the bird food market, which was strong this fall. Retailers are stocking up for the winter bird feeding season.

However, the market for confectionary sunflowers isn't as robust.

The chaos in Syria and Iraq and the refugee crisis there have disrupted demand in the Middle East,



Manitoba sunflower acres have declined over the last seven to 10 years, falling from 190,000 in 2006 to 70,000 in 2013 but recovering to 104,000 this year. | FILE PHOTO

a major market for confectionary sunflowers.

"Right now (the) confec market is definitely soft.... All the companies... we're not moving as much as we usually do to the Middle East," said Ben Friesen, purchasing manager for special crops with the Scoular Company, which recently bought the special crops division of Legumex Walker.

"You don't have buyers for it right now (in the Middle East). They're

worried about other things than filling warehouses with sunflowers right now."

On the positive side, Manitoba sunflower growers are benefitting from the US75 cent loonie.

"You get a Canadian sunflower price of approximately 28 cents (a lb.) versus a U.S. price of 20 cents," Friesen said.

"The Canadian grower, if they didn't have that exchange difference right now, it would be really

tight on making any margin at all."

Turner said growers and the sunflower association are curious to see how Scoular will affect sunflower production in Manitoba now that it owns the assets of Legumex Walker.

Scoular is a 123-year-old private company based in Omaha, Nebraska, with nearly \$6 billion in annual sales.

Friesen said Scoular's size and reach in the grain trade should be

WHAT DID SCoulAR BUY?

Scoular finalized its purchase of Legumex Walker's special crops division last month for \$94 million. The deal was valued at \$174.6 million, including Legumex's working capital. Scoular now owns Legumex's former special crops operations, including:

- The sunflower, flax and bird food division, which has primary and secondary processing plants in Winnipeg, Winkler and St. Jean Baptiste, all in Manitoba, and a plant in Mentor, Minnesota. Aggregate annual processing capacity is 141,000 tonnes.
- The edible bean division includes primary processing plants in Morden, Man., and Plum Coulee, Man., St. Hilaire, Minn., and Tianjin and Dalian in China. Aggregate annual processing capacity is 106,000 tonnes.
- The pea, lentil and canaryseed division has primary and secondary processing plants in Runciman, Brooksby, Saskatoon and Regina in Saskatchewan and a plant in St. Jean Baptiste, Man. Aggregate annual processing capacity is 275,000 tonnes.

helpful for Manitoba's special crops industry.

"With the strong company we have behind us now, it will firm everything up and make a better business for everyone involved."

In late November, Scoular said nearly all the 300 plus employees of the former Legumex Walker special crops business, including the management team, joined Scoular and will continue to work at the existing locations.

"The same people that are doing business with (Canadian) growers right now will continue to do business with the growers," Friesen said.

"It's business as usual."

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WINTER WHEAT

U.S. hard red winter wheat crop in good shape after rough start

BY SEAN PRATT
SASKATOON NEWSROOM

The U.S. hard red winter wheat crop is looking good as it heads into dormancy, says an industry official.

"In most places, on average, we're probably in pretty good shape right now," said Mark Hodges, executive director of Plains Grains Inc., a company that conducts quality testing of the U.S. winter wheat crop.

The crop got off to a rough start in Oklahoma and Texas due to dry early fall conditions.

The region received rains in recent weeks but they came about two months later than farmers would have liked.

"Crop development wise, we're probably not where we would like to be at this point although we are thankful for the moisture that we

currently have," said Hodges of Stillwater, Oklahoma.

Root development and above ground growth are not as good as they were the last couple of years in those two states but the difference is that the crop received some much-needed rain after it emerged.

It is a different story in western Kansas, eastern Colorado and Nebraska where there was much better early fall moisture.

"As a matter of fact, they've got probably more growth than they would like to have at this point in the growing season," he said.

"If those plants get too mature in the fall, they tend to lose those early tillers that are developed, which are normally higher grain-yielding tillers."

A recent weather system has brought cold conditions to those

three states, likely putting an end to crop growth until spring.

Hodges feels that while conditions are variable, the crop is generally in good shape heading into dormancy. If Oklahoma and Texas receive a few days of warm weather, it could improve crop development in those key states.

The U.S. Department of Agriculture estimates 55 percent of the U.S. winter wheat crop was in good to excellent condition as of Nov. 29, compared to 58 percent a year ago. Nine percent is in poor to very poor condition, compared to 10 percent a year ago.

Informa Economics estimates U.S. winter wheat plantings at 38.7 million acres, down from 39.5 million acres last year. It is the smallest crop since 2010.

Hodges thinks that sounds about right.

"We would expect acres to be level to maybe slightly lower really based on price more than anything else," he said.

The price of wheat is below the cost of production for many wheat farmers.

"If you talk to a producer, his biggest concern is going to be price," said Hodges.

One mitigating factor is the high cattle prices that encouraged cattle producers to graze more animals. Growers from southern Kansas south are able to graze cattle on their winter wheat crops.

The high cattle prices may have prompted some of those growers to put in more wheat acres. But it didn't pay off this year because there was limited forage production due to the dry conditions.

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OILSEEDS

Palm crop problems lend support to oilseed prices

MARKET WATCH



D'ARCE McMILLAN

Global palm oil production might not rise this year, breaking a 17-year trend of higher production.

Palm production is stressed by dry weather caused by the El Nino and smoke haze coming from massive forest fires in Indonesia.

The last time palm production failed to increase was in 1997-98 when a severe and extended El Nino created drought.

The problems in palm oil production are one of the few factors supporting oilseed prices these days as the U.S. harvested a record soybean crop and South Americans seed what is expected to be a record crop there.

Palm oil is the most produced vegetable oil in the world, with an expected 65 million tonnes this year, compared to 51 million tonnes of soybean oil, 26.3 million tonnes of canola-rape seed oil and 15.1 million tonnes of sunflower oil.

Palm oil comes from trees and production goes on all year.

The palm industry held a major meeting in Bali, Indonesia last week where analysts gave their forecasts for the coming year.

Prices fell sharply this summer to a six-year low on rising stocks of the oil but they have been recovering this fall.



Workers unload palm fruit at an Indonesian plantation this fall when fires spread smoke over the region. The haze and dry El Nino weather could lead to stagnant or declining global palm production in 2016 for the first time since 1997-98. | REUTER PHOTO

Prices in 2016 depend on how much production falls, the success of a biofuel program in Indonesia and the further drawdown of stocks.

Analysts gave price forecasts that ranged from almost no increase over current levels to a price rise of 20 percent or more.

Thomas Mielke, editor of *Oil World*, a prominent publication on oilseed markets, said he expects production in Malaysia, the world's No. 2 producer will slip by 100,000 to 200,000 tonnes in 2016 and top

producer Indonesia's production will be steady, Reuters reported.

That is quite a change given that global production has been rising by about three million tonnes a year since 2010. Rising demand, mostly from Asia countries, usually gobbles up most of the annual production increase.

Mielke sees palm oil prices at port in Germany in 2016 rising by about 25 percent from the level in October.

Another leading palm analyst James Fry of LMC International

thought production could fall even more in 2016, forecasting a drop of nine percent in Indonesia and a 4.5 percent drop in Malaysia.

If the El Nino carries on, disrupting the region's monsoon, production could be further stressed and prices could climb. Also, buyers might start consuming more soy oil, nibbling away at the large supplies of that product and helping to support canola prices.

Ranver Chauhan of Olam International sees palm oil production globally dropping by one million

tonnes.

Several of the analysts also noted that Indonesia intends to increase the amount of palm oil that is blended to make biodiesel to 20 percent from the current 15 percent, further trimming large stocks of palm oil in the country.

The subsidies that make the bio-fuel program work come from export taxes on palm oil.

Analyst Dorab Mistry was perhaps the least bullish analyst. He expects global palm oil production to rise by one million tonnes in 2016, but that is down from his forecast earlier this year of a 2.5 million tonne increase.

The El Nino is a strong one, but it might be relatively short lived. Mistry thinks the El Nino will not linger into 2016 and so there will not be a repeat of the 1997-98 catastrophe, which was still going strong in January and February.

He thinks prices in the first half of 2016 will be only slightly stronger than they are now.

Another important development in the industry last week was the creation of the Council of Palm Oil Producer Countries, which would be a little bit like the Organization of Petroleum Exporting Countries.

Through it, Indonesia and Malaysia hope to control the global palm oil supply, stabilize prices, promote sustainable production practices and improve the welfare of small palm farmers.

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ONLINE EXCLUSIVE

CROP SURVEY

StatsCan releases December crop production survey

Turn to our website, producer.com, on Dec. 4 for coverage of Statistics Canada's crop production survey.

Most of the trade expects the canola crop estimate will rise to a number that begins with 15, an increase of a million tonnes or more above Statistics Canada's September forecast of 14.3 million.

But some analysts think the crop could be 16 million tonnes or more.

A crop of 15 to 16 million tonnes is unlikely to weigh down prices, given the record pace to date of exports and domestic crush.

At that level, year end stocks would still likely fall from the 2.3 million on hand at the end of 2014-15.

A crop of 16 million tonnes or more would likely mean year end stocks would not fall.

The Statistics Canada report will also be important to identify how tight pulse crop stocks will get.

Pulse prices are great, exports are strong and year end stocks are forecast to be exceptionally tight.

LIVESTOCK

Record cattle prices are over: now what?

Cattle prices have peaked but calf producer profits are still possible if costs are controlled

BY BARBARA DUCKWORTH
CALGARY BUREAU

ROCKY MOUNTAIN HOUSE, Alta. — Canadian cow-calf producers can expect profitability to continue for a couple more years, but 2015 was probably the peak of the market in the current cattle cycle.

Canada enjoyed a longer stretch of record high prices than the United States, which probably saw its peak last year, said market analyst Anne Wasko of Gateway Livestock.

Volatility is the name of the game. "The market itself has changed, not just on the cattle side but all commodities, and the global influence is part of that," she told a cattlemen's day held in Rocky Mountain House Nov. 19.

Producers need to watch for opportunities to capture the best prices in an uncertain environment. Those who control costs can expect to remain profitable for the next few years.

"Let information drive your decisions," she said.

Wide price fluctuations are expected to continue into next year, when the range will be at least \$40 per hundredweight on feeders, while 850

pound steers could trend lower.

Calf prices increased 53 percent last year, which was unusual. However, this kind of wild activity has been noted three times since the early 1970s.

Finished cattle averaged \$187 per cwt. this year, but the range was \$160 to \$200 per cwt. Calf prices will average \$300 per cwt. but ranged \$278 to \$330 per cwt., depending when they were sold. This could earn producers a \$200 to \$300 per head profit.

Cows traded from \$111 to \$151 per cwt., but these prices are starting to fall back.

The Canadian dollar declined 13 percent from last year and is now around 75 cents.

However, the lower loonie has not spurred American buyer interest. Exports of all classes of live cattle are down for the second half of this year. "The dollar does not change the export volume. What it does is changes our price," she said.

More cattle are staying in Canada for processing.

Feeder cattle exports to the U.S. are down about 25 percent lower and slaughter cattle are down about 33 percent.

Canadian packers offered stronger basis contracts to feedlots to keep cattle in Canada and maintain plant capacity.

Canadian beef exports are up one percent from last year and beef imports are down. However, more lean trim is coming in from Australia and New Zealand.

The strong American dollar has affected that country's exports, with beef sales down 13 percent from last year. Its imports are up 17 percent with lean grinding product coming from Australia, New Zealand and South America.

Canadian fed cash cattle usually trade at a discount to the U.S. market, but the first half of this year saw premiums of \$5 to \$15 over the U.S.

"Even today we have got basis levels that are par," Wasko said.

North America's feeding sector is suffering.

American cattle feeders have been losing money all year and could post losses of \$400 per head. It is an extreme swing in a short period, affecting what they are willing to pay for feeder calves.

Alberta feedlots had a lengthy period of profitability from the fall of 2013 to the first half of this year,

but that has changed now.

"Feeding margins at the feedlot level have gone from one of the best and longest feedlot profitability that we have seen in Alberta to one of the worst in a heartbeat," she said.

Break-evens have been increasing and were around \$2 per pound.

"They have corrected their break-even by \$15 per cwt. in the last two months to get control of this lost margin they are in right now," she said.

Feed costs can be worrisome when calculating break-evens.

U.S. corn supplies are high, so it should be priced around \$3.50 a bushel next year. Barley prices are still higher than they were last year.

"Normally that would tell me feeder cattle are going to leave (exported south), but they aren't," she said.

The market has been bolstered with strong demand for beef. It has remained better than expected, but retail prices should start to slide.

Retail prices in September rose 12 percent from last year. The U.S. retail price is the same as last year but is expected to finish lower than last year. Wholesale beef in the U.S. has fallen 20 percent since the spring highs.

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CANFAX REPORT

FED CATTLE STEADY

Packers started where they left off the previous week, bidding \$255-\$270 per hundredweight rail grade delivered.

Fed steers live averaged \$159.90 per cwt.

Interest was mixed, with one Alberta plant more aggressive on the cash market than the other.

One plant was buying cattle for end of December delivery, while the other was scheduling cattle for the first half of January.

With cash prices hovering near annual lows, cash and grid marketings have slowed a lot.

Feeders are pushing back marketing dates or are shuffling sales into contracts, hoping that prices will improve in December.

A few western Canadian fed cattle traded to the United States at prices that worked back to the mid-C\$150s on a live basis, depending on freight and dressing percent.

Canadian beef production has recently run ahead of last year on increased slaughter volume and record large carcass weights. Canadian steer carcasses were 951 pounds, up from 936 lb. the previous week and 905 lb. last year at the same time.

Fed prices normally improve in December, but the rise will be limited as more cattle are held over into December.

Packers will hold leverage until feeders get weights under control and market ready supply tightens.

The weak Canadian dollar has benefited producers here.

U.S. fed prices have been within

US\$10 per cwt. of their five year average since mid-September. Alberta prices are C\$38-\$58 above the five year average.

COWS WEAKER

Slaughter cow prices fell again with live trade \$3-\$7 per cwt. lower.

D1, D2 cows ranged \$95-\$113 to average \$101.50 and D3 cows ranged \$84-\$100 to average \$91.

Rail grade bids were \$198-\$203 per cwt. delivered.

Butcher bulls fell \$3.70 to average \$122.30.

Western Canadian non-fed slaughter for the week ending Nov. 21 fell six percent to 5,890 head.

Weekly Canadian non-fed exports to Nov. 14 slipped to 6,743 head.

FEEDERS DOWN

There were fewer cattle at auction, but average feeder steer prices fell \$3 per cwt. and heifers were down \$4.

The market tone appeared to strengthen as the week progressed.

Demand is hurt by lacklustre feeding margins and slow fed cattle turnover, which is reducing feedlot pen space for calves.

Calves 400-700 lb. fell \$1-\$4.

Steers heavier than 700 lb. were steady to \$1 lower, while heifers were \$3-\$5 lower.

Weekly Alberta sale volumes fell 25 percent to 47,958 head. Volume this year is down five percent at 1.426 million head.

Weekly feeder exports to Nov. 14 were modest at 1,405 head.

The total this year is down 28 percent.

Supply tends to tighten as year end approaches and prices usually rise a little, but that is not happening this year.

Since Oct. 31, 500-600 lb. steers have tumbled \$22.50 per cwt.

December price uncertainty is encouraging some cow-calf producers to carry calves over into the New Year.

Year-end buying for tax purposes is spilling into feeder cows as an alternative to high risk calves.

U.S. BEEF MOSTLY STEADY

U.S. boxed beef prices Nov. 25 were Choice US\$204.09, down 74 cents, and Select \$193.76, up 42 cents.

Prices are now approaching 2013 levels.

Large boneless beef inventory in cold storage continued to be a bearish factor for the trim market.

Weekly Canadian boxed beef to Nov. 14 strengthened, with the AAA cutout at C\$279.03, up \$3.92, and AA at \$268.11, up \$4.59.

Demand for the Christmas and New Year holidays is expected to support cut-out values through mid-December.

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

WP LIVESTOCK REPORT



Futures stayed near six-year lows

HOGS STEADY

Hog futures hovered near six year lows, but the premium of the front month contract over the deferreds indicated demand might be picking up.

U.S. market-ready hog supply is ample, but strong packer profits allowed them to offer mostly steady prices.

Iowa-southern Minnesota hogs delivered were US\$39-39.50 per hundredweight Nov. 27, slightly up from \$38-39 Nov 20.

U.S. hogs averaged \$50.72 on a carcass basis Nov. 25, down from \$50.92 Nov. 20.

The U.S. pork cutout was \$72.40 per cwt. Nov. 27, down from \$73.14 Nov. 20.

The estimated U.S. weekly slaughter for the holiday-shortened week to Nov. 27 was 1.752 million, down from 2.185 million the previous week.

Slaughter was 1.702 million last year at the same time.

The Signature 3 price in Canada was C\$57.41 per cwt. Nov. 28, up from \$56.32 the previous week.

BISON

The Canadian Bison Association said Grade A bulls in the desirable weight range sold at prices up to C\$5.50 per pound hot hanging weight. U.S. buyers are offering US\$4.25 with returns dependent on

exchange rates, quality and export costs.

Grade A heifers sold up to C\$5.35 U.S. buyers are offering US\$4.10.

Animals outside the desirable buyer specifications may be discounted.

SHEEP, LAMBS STRONGER

Beaver Hill Auction in Tofield, Alta., reported that 747 sheep and 158 goats sold Nov. 23.

Wool lambs lighter than 54 lb. were \$200-\$238 per cwt., 55-69 lb. were \$220-\$240, 70-85 lb. were \$185-\$220, 86-105 lb. were \$164-\$192 and 106 lb. and heavier were \$160-\$170.

Wool rams were \$65-\$84 per cwt. Cull ewes were \$65-\$118.

Hair lambs lighter than 54 lb. were \$202.50-\$215 per cwt., 55-69 lb. were \$200-\$225, 70-85 lb. were \$176-\$189, 86-105 lb. were \$163-\$189 and 106 lb. and heavier were \$147-\$159.

Hair rams were \$61-\$114 per cwt. Cull ewes were \$60-\$121.

Feeder kids lighter than 60 lb. were \$160-\$190. Good kid goats lighter than 70 lb. were \$205-\$230.

Those heavier than 70 lb. were \$210-\$230 per cwt. Nannies were \$80-\$207.50 per cwt. Billies were \$130-\$235.

Ontario Stockyards Inc. reported that 1,078 sheep and lambs and 32 goats traded Nov. 23.

Light weight lambs sold \$5-\$7 cwt. higher with heavy lambs \$5 higher. Good lean sheep sold \$3-\$5 higher. Heavy and fat types sold under pressure. Goats were steady.

CROPS

Russia's winter grain in better condition

But Ukraine's crops are suffering

MOSCOW, Russia (Reuters) — Russia's winter grains are in a better condition than last year, said Anna Strashnaya, head of the agricultural department at state weather forecaster Hydrometcentre.

However, Ukraine's winter crops are suffering.

Russia harvested more than 102 million tonnes of grains in 2015, and officials have yet to issue their estimate for the 2016 crop. Some analysts have warned about the risk of damage to next year's crop due to a lack of rain.

The condition of winter grains in several regions was improved by rains in October through November and by warm weather in November, Strashnaya said.

As of Nov. 25, 89 percent of winter grains were in good or satisfactory condition, while 11 percent were in a poor condition, according to her estimate.

"This is better than last year but worse than a five-year average of 8.5 percent (of poor winter grains)," Strashnaya said.

Last autumn, 16 percent of winter grains were in poor condition.

Russian farmers have cut winter grain seeding because of dry weather in several regions this year. As of Nov. 30, they had seeded winter grains on 41.3 million acres, down from 41.5 million acres a year ago and on 95 percent of the origi-

nally planned area.

A combination of warm temperatures and rain has slightly improved the condition of Ukrainian winter grain crops, but a significant portion of them remain in poor state, analyst UkrAgroConsult said Nov. 30.

A severe drought in the summer and autumn in half of Ukrainian regions has forced farmers to stop seeding winter grains, leaving concerns of a poor grain harvest in 2016.

The share of crops in good condition accounted for 28.1 percent as of Nov. 26, compared with 40.6 percent at the same date in 2014, UkrAgroConsult said in a statement.

It said that the share of poor crops rose to 35.6 percent this year from 18.1 percent in 2014.

"In the eastern, partially central and southern regions, major part of sowings is still weak and badly developed," the consultancy said.

UkrAgroConsult this month cut its forecast for Ukraine's 2016 wheat harvest by eight percent to 17.5 million tonnes, citing the poor condition of sprouted crops. Winter wheat accounts for 95 percent of Ukraine's overall what output.

A smaller harvest is likely to cut Ukrainian wheat exports to 3.5 million tonnes in 2016-17, according to traders' forecasts.

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CROP PRODUCTION

Can things turn around for Canadian wheat?

Efforts to revitalize the wheat sector must give as much attention to increasing demand as raising yields. If not, production could outstrip demand and the ultimate goal of improving the profits of wheat growers will fail.

It is no secret that wheat in North America is losing ground to other crops.

In the last 20 years, wheat acres in the United States have fallen about 25 percent and in Canada they're down 20 percent.

Reasons for the decline include decreased profitability relative to other crops, poor productivity gains, inadequate research, increased competition from the Black Sea region and consumer worries about wheat's healthfulness.

G20 agriculture ministers recognized the inadequate attention paid to wheat in 2011, noting that globally corn gets four times the investment.

Just last month, American wheat growers, tired of seeing their crop languish, launched a plan to revitalize their industry. Cereals Canada is also working on a strategic research plan.

Wheat must not be allowed to languish. It is the most important food crop, providing on average 20 percent of the food calories for the world's population. It is the most widely grown and traded crop.

For farmers, it is an important crop in areas not suited to corn and oilseeds and is important for rotations to prevent the buildup of disease.

Leaders of the wheat revival understandably focus a lot on yield.

U.S. wheat yields rose only 16 percent over the past 30 years, while soybean yield rose 38 percent and corn 42 percent.

Yields are important, but so too is the recognition that corn and soybean yield increases came hand in hand with demand increases.

U.S. corn production since 2000 is up

almost 50 percent but its price did not decline. Indeed, through much of the period, its price increased because of booming demand.

Corn is more versatile than wheat. It is an animal feed, ethanol feed stock and human food. It supplies high fructose syrup, components for processed food, industrial products and alcohol.

Improving global incomes caused vegetable oil consumption to double since 2000 and rising meat demand boosted demand for oilseed meal.

Wheat is basically a human food eaten in bread, pasta and bakery products. It can be used as an animal feed and to make ethanol, but its composition makes it a secondary choice behind corn.

World wheat per capita consumption is stagnant so total demand mostly follows population increase.

Climate change poses a threat to production so we need varieties with greater stress tolerance but when the weather co-operates, there could be huge overproduction.

If we don't find ways to increase demand, then research and breeding that sparks big yield increases will only depress wheat prices and the crop will continue to fall behind.

Focus must also be on developing new uses and demand streams for wheat. That could mean developing varieties with new starch and protein profiles for different applications.

Also, research must go beyond the opportunities supplied by increased applications of costly chemical and fertilizer inputs.

To be sustainable, improvements in water and nutrient-use efficiency are imperative.

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

CRAIG'S VIEW



HE SAID IT

This is the most prestigious thing we can do. If this was a baseball game it would be the World Series. If it was football it would be the Grey Cup. This is what we strive for.

JUDGE CRAIG FLEWELLING

ANNOUNCING THE SUPREME CHAMPION AT CANADIAN WESTERN AGRIBITION, PAGE 68.

BACK IN SESSION

Ag critics will be watching the next throne speech carefully

CAPITAL LETTERS



KELSEY JOHNSON

After a five-month hiatus, parliamentarians will take their seats in the House of Commons Dec. 3.

Ottawa, quiet recently without the hustle of bustle of the Hill, is back.

First on the agenda is the election of a new speaker of the House of Commons. (Current speaker Andrew Scheer, a Conservative MP from Saskatchewan, has opted not to run for speaker and instead has been named Opposition house leader by interim Conservative leader Rona Ambrose.)

Prime Minister Justin Trudeau will unveil his government's priorities

Dec. 4 in his first speech from the throne since being elected Oct. 19.

While agriculture rarely dominates speeches from the throne, industry and those close to the industry will still watch closely.

Among industry concerns: the fate of the Trans-Pacific Partnership trade agreement and the ongoing review of Canada's grain transportation system, both of which have imminent timelines.

Trudeau has promised to debate the TPP in Parliament and consult with Canadians. When the debate will begin remains unclear. Meanwhile, agriculture minister Lawrence MacAulay has asked agriculture stakeholders to write him about how the TPP will affect their industries.

South of the border, it's crunch time. American officials and stakeholders have long said the best outcome for the TPP is to have it passed before the American primaries. If that's the case, Congress must be done debating and reviewing the

legislation by the end of January. (The primaries start Feb. 1.)

It's possible Canada's own TPP debate timeline could mirror that of its American counterparts.

Poultry, egg and dairy farmers will look to the speech from the throne for hints about a TPP compensation package. The previous Conservative government had promised a \$4.3 billion compensation package for supply managed farmers.

The package, then-agriculture minister Gerry Ritz had said, would be used to cover concessions made under the pending Canada-Europe trade deal and the TPP.

International trade minister Chrystia Freeland has said her government is not bound to the commitment, telling reporters recently the package is under review. (The previous cabinet never adopted the pending authorities). With Ritz now the Opposition's trade critic, expect the fate of the compensation package to be on his radar.

Then there's the ongoing review of Canada's grain transportation system.

While the review is not on the main political radar, overshadowed by the Liberals' plan to decriminalize marijuana, the ongoing Syrian refugee crisis and the war against ISIS, the Canadian Transportation Act could emerge as a sleeping giant politically.

Canada's two largest railways are powerful stakeholders in Ottawa's political landscape and are still angry over the previous government's handling of the 2013-14 crisis. Canadian Pacific Railway is challenging the previous government's decision to extend the interswitching radius to 160 kilometres from 30 km under their Fair Rail for Grain Farmers Act (C-30). A hearing is scheduled for later this month.

Meanwhile, farm groups hope the review has long-term solutions to their grain transportation woes. The Liberals have said little about the ongoing review, but it did garner a

specific mention in both MacAulay and transport minister Marc Garneau's mandate letters.

Trudeau has also instructed MacAulay and infrastructure minister Amarjeet Sohi to make "significant investments in transportation infrastructure, including short-line rail spurs and inland and port loading terminals to improve efficiency, remove bottlenecks and increase system capacity."

No more details about how that would work have been released.

With the report's submission deadline fast approaching, the CTA review could well earn a mention in Friday's speech from the throne. Review chair David Emerson must submit his report to Garneau by the end of December.

The transport minister then has 30 sitting days to table the review's recommendations and final report in parliament.

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

& OPEN FORUM

FARM LIFE

Gender gap widening in family farming

BY THE FOOD AND AGRICULTURE ORGANIZATION

The Food and Agriculture Organization defines family farming as “a means of organizing agricultural, forestry, fisheries, pastoral and aquaculture production, which is managed and operated by a family and predominantly reliant on family labour. The family and the farm are linked, co-evolve and combine economic, environmental, reproductive, social and cultural functions”

It follows that family farming is not only a means of production but a way of life, a mode of preserving and transmitting culture and agricultural knowledge.

However, numerous factors constrain family farmers, including low prices for products and high costs of inputs, the volatility of markets, competition from powerful interests for scarce land and water resources, the need to adapt to climate change and the neglect of agriculture in development policies....

In addition to the above described challenges, the gender gap in agriculture further hampers the potential of family farming. This is especially worrying given the prominent role of women in agriculture: women represent on average 43 percent of the agricultural labour force, yet in many countries their productive role is relegated to that of unpaid family labour, and as a consequence women are in many cases excluded from statistics. Hence, women are often invisible in agricultural censuses.

Moreover, the majority of small-scale farmers are women, yet due



to structural barriers, they have lower productivity levels compared with men, and thus their contributions are marginalized.

In the context of family farming, there are several critical areas where gender inequalities should be addressed to ensure the sustainable enhancement of production and livelihoods. Among the inequalities accounting for women's under-performance in family farming are their lower access to productive resources; intra-household division of labour, of which women bear the brunt; discrimination from formal and customary institutions, particularly with regards to inheritance, property rights and land tenure; the exclusion of women farmers from

groups such as producers' organizations, which are often a source of knowledge, inputs and power; and women's lack of access to the resources and learning opportunities provided by Rural Advisory Services extension, which are crucial to making the most productive use of men and women farmers' time.

Although RAS provision in developing economies remains low for both women and men, women tend to have even less access than men, despite attempts to mainstream gender into agricultural extension delivery in the last decades.

According to a 1988-89 FAO survey on agricultural extension covering 97 countries with sex-disag-

gregated data, only five percent of all extension resources were directed toward women. Nevertheless, evidence shows that closing this gender gap would unlock the productivity potential of women.

FAO estimates that if women had the same access to productive resources as men, they could increase yields on their farms by 20 to 30 percent and could increase agricultural output in the developing world by 2.5 to four percent, on average, with higher gains in countries where women are more involved in agriculture and the gender gap is wider.

The increase in female productivity is conditional on substantial changes in gender relations and the successful engagement of men, who must consider themselves partners and beneficiaries of gender equality and the sharing of productive resources.

Furthermore, women's contributions to food security go beyond their productivity levels due to their role as primary caretakers in the household. Women directly provide for food security (prenatal nutrition, breastfeeding) and invest in the overall well-being of the family (food, children's education) comparatively more than men.

The Food and Agriculture Organization is an agency of the United Nations.

This was an excerpt from Enhancing the Potential of Family Farming for Poverty Reduction and Food Security Through Gender-Sensitive Rural Advisory Services. For the full document, visit bit.ly/1I9l85n.

HOT TOPICS

Our coverage of Bill 6 draws attention

EDITORIAL NOTEBOOK



BRIAN MACLEOD
EDITOR

Stories by Camrose bureau reporter Mary MacArthur about farmer protests over the Notley government's Bill 6 in Alberta are drawing a lot of attention.

The top three stories on *The Western Producer's* website over the last week are headlined, “More questions than answers following first Bill 6 public meeting,” “New farm worker safety rules to alter landscape in Alberta,” and “Anti-Bill 6 protests picking up steam.”

Those stories are also drawing online comments and have received major attention on social media. (There is a nicely written letter about the issue on page 12 today.)

We have, at the *Producer*, encouraged some of these changes in the past, as other provinces have adopted them. But the speed at which they're being implemented and the labour organization aspect of the NDP government's plans are generating a lot of heat from farmers. As I write, Mary continues to send in updates about protests at the legislature and elsewhere in the province.

The government is motivated by reports that show there were 355 deaths in the agriculture industry from 1990 to 2009. (And as Mary's story notes, for each death, 25 people were hospitalized for injury.)

As I've suggested in the past, it's immoral to ignore that level of tragedy.

Still, it will be interesting to see if the implementation date is pushed back and whether the bill is altered in a meaningful way as a result of farmer feedback. (I suspect you'll see both.)

Canadian Western Agribition has been around since 1971. You'd think after 45 years, some people might be jaded, but that's not what I saw when I visited last week.

I saw a lot of energy in those who brought their cattle to the show and in those who wandered up and down the aisles.

I'm not sure what that says about the state of farming, given today's prices, but it says a lot about the people who farm for a living. They're still in it for the labour of love.

For those who missed Agribition, you can get a good flavour of the event at our blog, which features stories, videos, photos and tweets from those who attended. Find it at bit.ly/1LAr7r.

LIVESTOCK

Calf price drop cushioned by price insurance

HURSH ON AG



KEVIN HURSH

The last few months have seen a monumental collapse in calf prices. The Western Livestock Price Insurance Program has been showing its worth making payouts for the last six weeks. It's too bad participation in the program is low.

Not since the BSE crisis a dozen years ago has the price of cattle declined so rapidly. The difference is that this time prices were riding at record highs before the nose-dive. While calf prices have now dropped below the levels of a year ago, profits are still being generated and optimism still abounds.

A price decline of this magnitude

is surprising considering it hasn't been caused by a major disease outbreak or any other catastrophic event. It is simply the result of market conditions forcing a significant price correction, the size of which few if any analysts anticipated.

Calf prices on this side of the border have actually held up better than in the U.S. even when you take the low value of the Canadian dollar into account.

It's estimated that 14.9 per cent of Saskatchewan calves were signed up for price insurance this spring. Despite the ability to lock in record high prices for the fall calf run at a relatively low premium cost, most producers were not interested.

Even though the program has been running longer in Alberta, Saskatchewan actually had a higher percentage of calves insured than the other three western provinces.

In the final days of the sign-up period near the end of May, cow-calf producers could lock in a top coverage of \$2.86 per lb. based on a 600 lb.

animal. That level of price insurance had a price tag of around 3.9 cents a lb. or about \$23.50 per head.

In recent weeks, payments on insured calves have been as high as 27 cents per lb. or \$162 per calf. In total, about \$3.3 million has been paid under the calf program in Saskatchewan.

Lower levels of price protection had lower premiums, but lower payments are also being generated.

It's a common misconception among non-participating producers that the program would force them to sell their calves when they might not want to. That's not the case.

The insurance is purchased for a specific time frame. Producers have a three-week period in the fall to trigger the insurance. If they don't act, pricing is based on the fourth week of the time period.

When the calves are actually sold doesn't matter. A producer might retain ownership and background some or all of the calves.

Smart and/or lucky producers

forward sold their calves back in August before the price collapse. They received a record high price and still qualify for a payment if they purchased insurance.

Of course, marketing and insurance strategies are easy to construct with the benefit of hindsight. When prices are going higher each week, it can be hard to convince yourself that price insurance is a good investment. There are actually fewer Saskatchewan calves insured this year than in 2014.

Unfortunately, the program may not be nearly as attractive when next spring rolls around. First of all, market prices and futures prices are likely to be lower and that will mean lower price insurance options. On top of that, this year's price volatility will be factored into premiums. It's likely producers will have to pay more to lock in a lower fall price.

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

OPEN FORUM

LETTERS POLICY:

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

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

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

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

REAL EFFECTS OF BILL 6

To the Editor:

I am a young wife and mother. I am married to a man who is a cattleman, a rancher, and a farmer. I say young, because we are 25 years old. We have been married for five years, and in that time we have grown our operation from a small hobby size to a size that supports both of us and our growing family, we have three kids. I am a lucky woman, I get to call myself a stay at home mom.

I do the books, I pay the bills. I

handle the marketing side of our purebred cattle operation. I do all of the banking, I order and pick up all of our veterinary supplies, I manage the cattle records. I give the men rides to the fields, I make lunches for all the workers, and I take harvest meals out to the field. So I am not just a mom, and I am not just a wife. I do both, and I love it so much.

My husband is a remarkable man. He goes outside every day and works long, hard hours to bring in the money to keep us going. He keeps our entire business afloat. He makes every production decision, and he does it by himself. Some-

times his days are so long that I don't see him. Sometimes his weeks are so long that I don't see him. We do get to talk on the phone a lot, so that is good. He doesn't get to see the kids all that much.

The kids love our life. Especially the farm. Our daughter has a deep passion for animals. As she gets older it is becoming more and more difficult to tell her she is too young to help. Our son is drawn to the other side of our lifestyle. The equipment. I have never seen something come so natural to a little boy. I am so very proud my kids are the way they are. I love them

If you want to change our lives then let it be for the better; not the better intended.

BECKY PAGE
DIDSBURY, ALTA.

enough that I will be the one — myself and my husband — to make the call about my kids and their safety around our farming operation. I don't need a law to tell me when to make that call on whether something is safe or not, and I don't need any legal formalities in place to do so. Their safety is my number one priority.

Alongside their safety, as my number one priority, is my husband's. As he works those long hours, he gets tired. When he works quickly, things begin to get more dangerous. This is when my husband's safety becomes my concern. So, he and I have discussed it. We need more help.

Justifying a hired hand is difficult when your cash flow is limited and you are trying to expand your operation. Bill 6 makes it near impossible.

If this legislation is passed, we will have to pay overtime, put money into workers compensation, give our workers regular hours, (something that simply does not apply on a farm), pay their vacation time, and send them to be educated on farm safety procedures. We cannot, on a farming income as a young family, afford to do this. The end result: we likely won't hire anyone. My husband will work longer hours than he does now. It puts a strain on both of us, and it will put a strain on our family.

(With) Bill 6, I am no longer to make a choice as a parent, I now have the government telling me that my kids are not allowed to go out to the field to ride along, no matter how much they enjoy it, no matter that it gives them much needed family time, no matter that it gives me a break and a chance to get other jobs done.

Let's say we do decide to hire someone. If we are forced to pay overtime after eight hours a day, or 44 hours per week, we will likely be forced to lower their regular wage significantly to help counter the weight of the overtime. Working on a farm for minimum wage is not attractive. Few people will want to work for us then.

Additionally, my husband will need to attend courses on farm safety. So at the end of his day, or perhaps right in the middle, he will walk away from work, and instead of spending time with myself and the kids, he will attend a course on safety. He will likely know far more about safety than the instructor will. Our employee will have to do the same, and we will be forced to put safety measures into effect that will make jobs take twice as long.

The more tired and stressed out my husband gets, the less he thinks of his own safety as a priority. He just wants to get done. For myself,

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CONTINUED ON NEXT PAGE >>

» CONTINUED FROM PREVIOUS PAGE

SOCIAL MEDIA

workers compensation, overtime, paid vacation, and mandatory safety measures creates an extra pile on my already heaping mountain of paperwork.

Bill 6 is being put into place by people who think they are making our farms a safer place. My reality is, that it will in fact make our farm less safe, by putting added stress and pressure on the man behind it all.

If this legislation is being put into place for the right reasons, why is it being fast-tracked? Why aren't farmers being asked any questions? Shouldn't they have a right to an opinion on the matter? If farmers have been doing this forever, why does this law need to be passed immediately, without any time for people to oppose it?

Why is our government planning to put this bill directly into effect less than one month after the information sessions regarding Bill 6 are held throughout the province? Does that really leave enough time for the government to properly educate themselves on the repercussions that may take place following the passing of Bill 6?

Why does it seem that our provincial opposition is scrambling to get them to even consider delaying the matter and putting it through proper assembly? And if it is really being put into place for the right reasons, why are they not clearly defining the parameters before it is passed?

The Alberta government is urging us to complete the online survey if we want to have our opinions heard regarding Bill 6. My husband and I both completed this survey (that has) been strategically worded to effectively portray farmers as villains in any employing scenario. The entirety of Bill 6 feels like more of an attack upon family farms than it does have any positive outcomes.

If you want to change our lives then let it be for the better; not the better intended. I demand to be heard and I expect to be considered.

Becky Page,
Didsbury, Alta.

PEACEFUL COEXISTENCE?

To the Editor:

Mischa Popoff is dead wrong when he says there has been "peaceful coexistence" between genetically modified and organics (*Stop GM controversy in organics, WP, Nov. 5*).

I am an organic grain farmer in Saskatchewan who, like many others, had to stop growing canola because of GM contamination. Saskatchewan organic farmers tried to seek compensation for this loss but were unable to get their class-action lawsuit certified.

Until the proponents of GM find a way to control their technology, we know that coexistence is not possible for any crops. This is why GM alfalfa should never be introduced in Western Canada.

Arnold Taylor
Kenaston, Sask.
Chair, Organic Agriculture
Protection Fund

Alberta's Bill 6 drawing ire, and some support

PRODUCER ONLINE



PAUL YANKO

Few subjects in recent memory appear to have pushed our readers' buttons like Alberta's proposed farm and ranch workplace legislation, Bill 6.

Last week's public consultation meeting in Grande Prairie was the government's first concrete opportunity to hear the public's thoughts on the matter.

And did they get an earful. "The idea that we cannot look after our business and the government has to is insulting," Jamie White, of Teepee Creek, Alta., told WP reporter Mary MacArthur at the meeting. He wants the government to step back, listen to farmers and then build legislation, not the reverse.

The responses to Mary's story, and our other coverage online, was equally swift, and polarized.

"Sorry, NDP will do whatever the unions ask of them. Y'all are screwed," read a comment left by Rod Johnson on the WP's Facebook page.

"The idea of having to pay WCB premiums for neighbours who come and help unpaid (as in a branding or preg testing) is completely loony. And that is only the beginning of the lunacy and headaches," read another by Paul Heglund. "The Alberta government needs to stop in their tracks and spend at least a year listening and then design a program that will suit agriculture."

A reader calling himself "Space-man Spiff" was one of the first to see things from a different perspective.

"I'm sorry, but the farmers need to chill out. And I say this as someone who grew up in a rural area just outside of Grande Prairie. There's no way the Alberta government is proposing to disrupt the family farm," wrote Spiff.

"In fact, it's trying to protect it by bringing farms up to the same standards for safety and labour that other dangerous occupations have."

Let us know your thoughts on the matter.

paul.yanko@producer.com

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2014 FARM INCOME

Realized net income up, total net income down

Total net income, which includes adjustments in farmer-owned crop, livestock inventories, plummeted 61% in 2014

BY SEAN PRATT
SASKATOON NEWSROOM

Farm income was either way up or way down in 2014, depending on what measure of income is used.

Realized net income of Canadian farmers rose 23 percent to \$7.7 billion.

However, total net income plummeted 61 percent to \$4.8 billion.

The difference is that total net income is a measure that includes adjustments in farmer-owned inventories of crops and livestock.

"It is really significant in this reporting period because we had that backlog of grain that got held

up and couldn't get shipped out by the railways," said Ron Bonnett, president of the Canadian Federation of Agriculture.

In 2013, there was a \$6.1 billion increase in inventory because farmers couldn't move their grain that winter. The following year, inventory value dropped \$2.9 billion as the 2013 carryout finally made it to market.

"There has been a distortion just related to the fact there was so much inventory moved," he said.

Statistics Canada focused on realized net income in its report. It was the fourth time in five years that realized net farm income increased

as gains in farm cash receipts outpaced higher operating expenses.

Saskatchewan led the way with \$3.2 billion in realized net farm income, followed by Ontario's \$1.3 billion and Alberta's \$1.2 billion. Manitoba posted \$799 million in realized net farm income.

Canadian farm cash receipts rose 4.7 percent to \$57.8 billion in 2014. That was due in large part to a 19.3 percent increase in livestock revenue to \$25.7 billion.

"Lower North American supplies pushed cattle and calf prices higher, contributing to a 44.4 percent increase in receipts. Also boosted by stronger prices, hog revenues rose

25.2 percent," stated the report.

Crop receipts fell 3.2 percent to \$30 billion due to lower grain prices. Canola, flax and lentil receipts bucked the downward trend for all other major grains.

Bonnett said crop receipts would have been far lower if it was not for the unusually large carryout from the 2013 crop.

Government program payments fell 21.8 percent to \$2.1 billion due to decreases in crop insurance and provincial stabilization payments.

Total operating expenses increased a modest 2.1 percent to \$43.6 billion due to a 47.8 percent increase in livestock purchases and

a 6.6 percent increase in interest expenses as farmers added more debt to the balance sheet.

Rising expenses were moderated by lower feed costs and a 15.4 percent decrease in crop and hail insurance premiums in Ontario and the Prairies.

Bonnett said it is clear that the livestock sector and the large grain carryout propped up Canadian agriculture in 2014.

"I think what's going to be really interesting looking forward to (2015) is what the impact is going to be on the income side with the drop in grain prices," he said.

His suspicion is that continued strong livestock prices won't be enough to offset the faltering grain economy in 2015.

The U.S. Department of Agriculture is forecasting that U.S. farm income will drop 38 percent to US \$55.9 billion in 2015 due to lower grain and livestock prices.

"We likely won't have quite as big a hit and one reason for that is the Canadian dollar," said Bonnett.

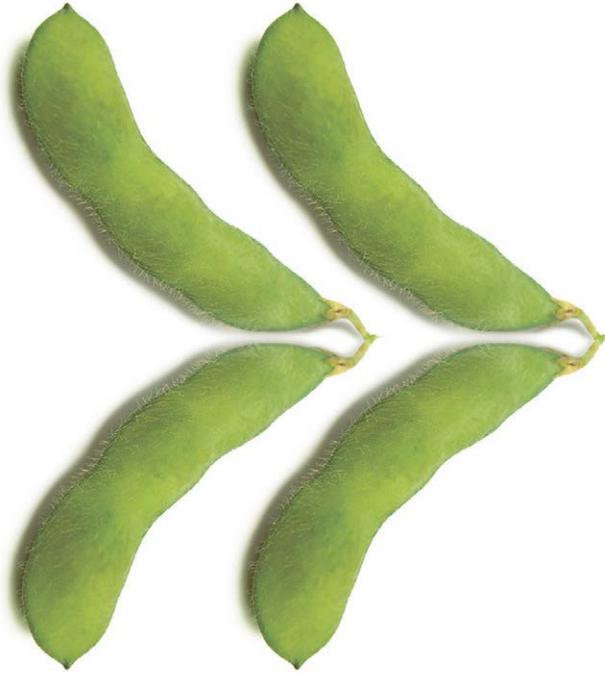
"The Canadian dollar has insulted us a little bit on some of the drops."

However, he believes farm income in Canada will be down somewhat despite sky-high cattle prices in the first part of the year.

Total farm debt increased 6.2 percent to \$84.6 billion. Bonnett said that is not an alarming amount but it is something to keep an eye on.

"On an individual farm basis, people are going to have to monitor how sensitive they are to interest rate changes," he said.

sean.pratt@producer.com



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CRIME

Thieves butcher pregnant cow on Sask. farm

BY SASKATOON NEWSROOM

A cow on a farm near Weyburn, Sask., was killed and butchered sometime during the early morning of Nov. 25.

According to a CBC News report, someone trespassed onto Roy Goodwin's farm and gutted one of his pregnant cows.

Goodwin told the CBC that it looked like the thieves came prepared. The cow was butchered within a half mile of five houses.

It's believed that more than one person was involved in the crime, based on the extent of the slaughter, particularly on the open ground.

Several cattle got out after the thieves left the gate open.

Goodwin told the CBC he has set a reward of \$1,000 for any information leading to the arrest and conviction of those responsible for the crime.

The RCMP have been notified.

There have been reports of similar incidents happening in Alberta and the United States, according to the CBC.

Attempts by *The Western Producer* to reach the Goodwin family were unsuccessful at press time.

ENVIRONMENT

Manitoba introduces new wetlands protection

A policy of no net loss will force landowners who drain wetlands to pay for a new wetland or restore one themselves

BY ROBERT ARNASON

BRANDON BUREAU

Manitoba is moving forward with new rules for wetlands drainage, based on a principle of no net loss.

The province introduced legislation to protect wetlands in late November as part of broader changes to surface water management in Manitoba.

Landowners wanting to drain a wetland would have to prove that the action provides "broad social and economic benefits."

Landowners who drain a wetland will also have to compensate the province or mitigate the loss of the wetlands. They could pay for the construction of a similar wetland or restore a wetland on their own property.

Scott Stephens, Ducks Unlimited Canada's director of regional operations for the Prairies, said the no net loss policy doesn't apply to all classifications of wetlands.

The regulations are expected to follow a wetland classification system known as Stewart & Kantrud, which was developed in the Dakotas.

The new Manitoba rules are for Class 3, 4 and 5 wetlands, which are seasonal, semi-permanent and permanent.

Class 1 and 2 wetlands are exempt.

"Producers would be able to deal with those without going through this process," he said.

"They (farmers) wouldn't typically define them as a wetland. It only holds water for a little bit (of the year)."

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The new rules will apply to only certain categories of wetlands in Manitoba. | FILE PHOTO

WETLANDS CLASSIFICATION

Robert Stewart and Harold Kantrud, U.S. government scientists working at the Northern Prairie Wildlife Research Centre in Jamestown, North Dakota, created a system for classifying wetlands in the 1970s. The system groups wetlands into seven categories. The first five are:

- Class I: Ephemeral wetlands typically have free surface water for only a short period of time

after snow melt or storms in early spring.

- Class II: Temporary wetlands are periodically covered by standing or slow moving water. They typically have open water for only a few weeks after snow melt or several days after heavy storms. Water is retained long enough to establish wetland or aquatic processes.

- Class III: Seasonal ponds are characterized by shallow marsh vegetation, which generally occurs in the deepest zone. They are usually dry by midsummer.
- Class IV: Semi-permanent ponds and lakes are characterized by marsh vegetation, which dominates the central zone of the wetland, as well as coarse emergent plants and submerged cattails,

- bulrushes and pond weeds. These wetlands frequently maintain surface water throughout the growing season.
- Class V: Permanent ponds and lakes have open water in the central zone, which is generally devoid of vegetation. Plants in these wetlands include cattails, red swamp fire and spiral ditchgrass.

Source: www.wetlandpolicy.ca

CANOLA

New info on clubroot life cycle may alter rotation suggestion

Research has found that 50 percent of clubroot spores are gone or non-viable after a two-year break from canola

BY MARY MACARTHUR

CAMROSE BUREAU

New research is changing the way farmers and industry look at clubroot.

The information is challenging conventional wisdom from when to seed in a clubroot infested field to the life cycle of the disease, said Dan Orchard, an agronomy specialist with the Canola Council of Canada.

Researchers used to believe the half life of clubroot was four years. Now, new research from Agriculture Canada in Quebec has shown 90 percent of the clubroot spores are gone, or non-viable, after a two-year break from canola, said Orchard.

A common wheat-canola rotation is a guaranteed way to build up clubroot spores in the soil, and having a two, three or four-year break is key to breaking the clubroot cycle and allowing farmers to grow canola.

"Two years out of canola is a huge saviour from the disease," Orchard told a recent Alberta Canola Pro-

ducers Commission meeting in Camrose.

"Spore levels build up dramatically in a wheat-canola rotation."

Even the life cycle of the disease is not well understood, and researchers are trying to understand more about the complex disease and how to control its spread through soil. The clubroot life cycle was documented in 1890.

"There is more to this disease cycle than was recorded 100 years ago," said Orchard.

Clubroot is a soil borne disease that affects canola, mustard and other members of the cabbage family. It was first reported on broccoli, cabbage and cauliflower in home gardens near Edmonton in the 1970s. It was identified in a canola field northwest of Edmonton in 2003 and has since become a major economic concern for farmers.

Clubroot spreads by soil infested with resting spores. There are about 10 million spores in a gram of soil, which is about the size of a Smartie.

In Alberta, 1,500 fields are officially infested with clubroot, but

realistically the number could be multiplied by 10, he said.

In Saskatchewan, clubroot was found in two fields in 2011 and one in 2012, but Orchard said that has more to do with a lack of surveying for the disease than a lack of clubroot.

The province surveyed 100 fields for clubroot this year, which is less than what's conducted in a single county in Alberta.

"Leduc County surveys more fields than all of Saskatchewan."

In Manitoba, clubroot is tested through soil rather than plants. The disease has been found in more than 80 fields, but only three or four fields have an infestation high enough to infest the plant.

Researchers developed clubroot resistant varieties of canola in 2010 that enabled farmers to once again grow canola on clubroot infested land. However, the disease had been found to have broken the resistance in one field by 2013, 16 in 2014 and 32 this year.

The most common of the 16 new strains is 5X, but there appears to be three strains of 5X. Clubroot

pathotypes 3, 5 and 2 are the most common in Alberta. Pathotype 3 makes up 90 percent of the pathotypes in Alberta.

Researchers have found new canola lines that were resistant to all the 5X strains of clubroot. The germplasm will soon be available to all crop scientists, he said.

Researchers are looking at a host of new management strategies to control clubroot, including liming, fungicide, bait crops, soil amendments and biological approaches.

The fumigant Vapam had "dramatically good control" when tested in the greenhouse but only 40 percent efficacy in the field. It also killed everything in the soil, including worms and other beneficial pests.

Fumigation wouldn't work on a large scale, but it might be an option for pipeline construction or other small areas of a field where introducing clubroot into a field is a concern, he said.

Fumigation may also be useful in field entrances where 90 percent of clubroot spores are discovered. "When someone finds clubroot, it

is at the entrance."

Canola specialists used to advise seeding clubroot-infested soil last to prevent spreading the spores to uninfested fields. New research has shown clubroot spores become active when the soil temperature reaches 15 C and most active when the soil is 20 C. Seeding clubroot-infested fields early before the spores are active may be a good way to limit its spread.

Adding lime to soil will keep clubroot at bay if there is little clubroot in the field but does nothing to control fields that are already infested.

Research into boron as a control for clubroot has also been examined. Boron controlled clubroot, but the amount of boron needed for control also killed the canola. However, researchers identified 10 varieties that are tolerant to boron. "This is an opportunity for seed companies to put boron tolerant traits in our clubroot resistant varieties," he said.

"We need a multi-prong approach to get past the disease."

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FARM WORKERS

Alberta boy starts petition against labour bill

Andrew Meinen says the proposed provincial legislation would restrict his ability to help his parents on their farm

BY BARB GLEN
LETHBRIDGE BUREAU

Andrew Meinen, 11, objects to an Alberta government farm safety bill, and he is doing something about it.

He developed a petition and is soliciting signatures from people who object to Bill 6, the NDP government's farm safety legislation.

"Why should kids like me, under 14, not be allowed to work on the farm," Meinen asks in his petition's preamble.

"When else are kids going to learn how to work?"

The farm and ranch legislation that was announced Nov. 17 has generated widespread concern and protests from the agricultural community.

"I don't want to be locked in the house and not be allowed to work on the farm," said Meinen.

His father, Tim, said he is concerned about the ramifications of the legislation and doesn't know how it will affect his farming operation near Monarch, Alta.

"We're a family farm," said Tim Meinen. "We use our boys around the farm to help with odds and ends. I can't see me doing it without my boys."

The Meinen family has three boys, 12, 11 and 9, and two girls, 6 and 1. They run a calf-raising facility and grow hay.

"I have no problem with the WCB component for commercial farms, but the mom and pop operations with no employees, that concerns me," said Tim.

Bill 6 makes it mandatory as of Jan. 1 for farms to provide WCB coverage to all employees.

"Rules are a good thing, but rules don't prevent all accidents," he added. "How far are they going to take the rules?"

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To Mrs. Rachel Naughtly

Nov. 26 2015

My name is Andrew Meinen, I am 11 years old and live on a farm near Lethbridge. I love living and working beside my dad on the farm. I don't know a lot about government stuff but I do know this bill 6 you are trying to pass will effect my future. Why should kids, like me, under 14 not be allowed to work on the farm? When else are kids going to learn how to work? Then you might as well send kids to school when their 14 because learning is not as important as work if you want to get hired for a job on the farm which produces peoples food. Besides who else is going to pay taxes if they don't learn to work? What else are kids going to do on summer vacation knit sweaters? Or is that too dangerous too? If you think there is a safety risk please come join me for a day and I can show you my parents take good care of me and show me dangers that I need to stay away from. The signatures on this page and the next are those of my friends and fellow farm buddies who are also against bill 6. Please respond to me soon and think about how this is going to effect many people.

Sincerely, Andrew Meinen

Eleven-year-old Andrew Meinen has started this petition to protest the Alberta government's Bill 6. | MEINEN FAMILY PHOTO

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POULTRY

General Mills moves to only cage free eggs

BY REUTERS & MARY MACARTHUR
CAMROSE BUREAU

General Mills will use only cage-free eggs in its U.S. operations by 2025, it said last week, marking the first time the packaged food company has given a timeline for the switch.

Egg Farmers of Canada said it would work with industry and its 1,000 egg farms to make any transition to cage-free eggs as smooth as possible for companies wanting them.

The maker of products that include Betty Crocker cake mixes and Cheerios cereal said in July that it was working toward using exclusively cage-free eggs in its products.

The move comes at a time when the food industry is under pressure from groups like the Humane Society of the United States, Mercy for Animals and World Animal Protection, which have successfully lobbied companies to adopt animal welfare practices.

"General Mills is further demonstrating that confining hens in cages has no place within our food system. We applaud the company for its great work," said Josh Balk, senior food policy director for the Humane Society of the United States.

Competitor Kellogg Co. said in October that it will source 100 percent cage-free eggs by 2025. McDonald's Corp. said in September that its 16,000 U.S. and Canadian restaurants will serve only eggs laid by cage-free chickens within 10 years while rival Burger King already has committed to using only cage-free eggs by 2017.

In an earlier news release, Egg Farmers of Canada said a study by the Coalition for Sustainable Egg Supply found that each kind of production system, including conventional, enriched, free run, free range and aviary, has tradeoffs across a wide variety of factors.

The EFC said it welcomed the request for stakeholder and expert input as it works through operational and financial details of converting the supply chain.

POULTRY

Company runs 'afowl' of egg producers group

Alberta firm specializes in collecting eggs from small producers, but Egg Farmers of Alberta says rules not followed

BY BARB GLEN
LETHBRIDGE BUREAU

NOBLEFORD, Alta. — Eggs supplied by 26 farmers move efficiently through the washing and grading process at Galimax Trading Inc.

From there, the company distributes them on the producers' behalf to restaurants in the Calgary area.

How much longer that will occur is open to question because of an ongoing clash between Galimax and Egg Farmers of Alberta.

The company has an egg grading licence from the Canadian Food Inspection Agency, but it also needs a provincial licence from the EFA as required by provincial agricultural marketing regulations.

It doesn't have one.

"We're actually on the cusp of legal action," said EFA general manager Susan Gal about the licence requirement.

That isn't the only bone of contention between the firm and the EFA.

The egg producers, many of them youngsters making their first foray into production, all have fewer than 300 laying hens, which exempts them from the supply-managed quota system.

However, they must each have an exemption number, and Gal said not all of them do.

"All registered egg producers with quota must belong (to the EFA)," said Gal. "All exempt producers that ship to a registered grading station must have an exemption number from us, and that's what we're trying to get them to do."

Corne Mans of Galimax said his firm is trying to meet the EFA requirements and has applied for the needed grading licence. He said it is also working to get an exemption number for each of its egg suppliers.

"We feel it's very close to being resolved," he said. "I guess the big question is, are we going to be able to continue to compete?"

EFA rules require egg producers to pay a per-dozen levy, which fluctuates according to provincial egg supply and other factors.

Last week, the levy was 31 cents per dozen, which Mans said Galimax is now paying on behalf of its egg suppliers. However, the levy lowers Galimax's revenue, and Mans said passing the charge to its 26 suppliers would kill the young producers' initiative.

"We felt it was a lot of extra work because we need to do all the book-keeping to keep track of all these numbers and we're very small on the scale of eggs," said Mans.

"I think what's important is we're making a footprint on very good quality eggs coming out of southern Alberta. We feel we've opened a very positive, different environment in regards to production of eggs."

Gal said the EFA has been working to resolve issues with Galimax for several years, and it is guided by provincial legislation regarding product marketing.

"When processors grade eggs in Alberta that are not registered quota holders, all processors that process exempt production must deduct and remit a levy to the board on a weekly basis. It's about fairness and equity," said Gal.

The levy covers costs for EFA

administration but also for dealing with "excess supply" of eggs in the entire system, which might involve shipping them to plants for further processing.

Mans said he doesn't see the advantage for Galimax in having its egg suppliers belong to the EFA. There is a market for all the eggs it now collects and it provides them to customers within seven days of laying.

"So far as Galimax has been paying the levy, we haven't received any direct benefit," said Mans.

Gal said the egg system applies to all producers and graders.

"You can't pick and choose the various pieces of the system that

you want to support. If there was no system, they wouldn't be getting the price that they're getting for all of the eggs that they sell," she said.

"They're (Galimax) making it sound like they have a choice. This is the law in Alberta and all processors must comply. It's our obligation under the Marketing of Agricultural Products Act."

However Mans said he wonders how small-scale producers like his egg suppliers fit with large-scale farmers, who have on average 14,000 laying hens.

He said Galimax and its egg suppliers want a review of the EFA.

barb.glen@producer.com



Corne Mans, left, adjusts the egg grading machine at Galimax Trading Inc. while Crystal VanEssen and Bunyong Pholphasook continue their work. | BARB GLEN PHOTO

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FARM LIVING

SCHOOL DAYS

A former one-room schoolhouse in Valley Plain, Sask., continues to serve its community as the venue for Christmas parties, meetings and other community events. | **Page 20**



FARM LIVING EDITOR: KAREN MORRISON | Ph: 306-665-3585 F: 306-934-2401 | E-MAIL: KAREN.MORRISON@PRODUCER.COM

AWARDS

Cheese makers win young farmer award

BY MARY MACARTHUR
CAMROSE BUREAU

Alberta cheese makers were named co-winners in Canada's annual Outstanding Young Farmers competition in Edmonton Nov. 21.

Patrick and Cherylynn Bos of Ponoka, Alta., raise 1,400 dairy goats in a milk and cheese processing business, Rock Ridge Dairy.



Cherylynn and Patrick Bos are the Outstanding Young Farmers winners. | FILE PHOTO

The couple processes their own and other producers' milk also.

During peak production, they make one and a half tons of cheese each week, which is sold in specialty stores across Western Canada.

The couple is putting the final touches on a new rotary goat milking parlour and will increase production to 900 goats an hour from 180 goats an hour and cut milking labour to two hours from nine hours a day.

They also host 400 to 500 visitors each year in an effort to increase awareness of life on the farm.

The Boses currently donate 2.5 cents for every litre of milk they sell to the Calgary Food Bank as part of their Children's Milk Program.

The other winners are Amy and Mike Cronin from Ontario, who operate a 17,000-sow hog operation in Ontario and the United States on 50 hog sites.

In 2014, they built the first crate-free farrowing system in North America. Their barn includes a thumbprint entry system, electronic sow feeders and video cameras.

"Canada's Outstanding Young Farmers provides a wonderful platform to recognize and celebrate Canada's agricultural entrepreneurs and leaders," said Bev Yee, Alberta's deputy minister of agriculture and forestry.

The two national winners were chosen from six 2015 regional finalists, including Mark and Cori Pawluk (Manitoba region), Jeff and Ebony Prosko (Saskatchewan region), David and Sara Simmons (Atlantic region) and Christian Bilodeau and Annie Sirois (Quebec region).

The OYF competition is open to participants 18 to 39 years of age who make the majority of income from on-farm sources.

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Austin Pizey of Binscarth, Man., was one of four 4-H members to receive the new Leadership Excellence Awards of Distinction during the 4-H Canada Members Forum in Regina on Nov. 26. | ANDY HAMILTON PHOTO

4-H MEMBERS FORUM

Teens recognized for leadership

Winners say vision, fearlessness are qualities that lead to business success

BY DEBORAH SPROAT
FREELANCE WRITER

REGINA — If teenagers want to make a difference in their communities, four 4-Hers who have won major awards for doing just that have simple advice.

"I think the biggest thing for me is to just go for it," says Meghan McGillivray, a 4-H member who grew up on a ranch near Kamloops, B.C.

"As soon as you have a vision, there will be people who will back you."

Cameron Choquette of Kelvington, Sask., says having the confidence to take on challenges can change your life.

"Never be afraid," Choquette says. "Don't be afraid to just stick your head out there and look. Ask people. Ask questions. Don't hesitate to say yes to something because you never know where it will take you."

Their words were echoed by the other two award winners, Austin Pizey of Binscarth, Man., and Louise Pickard of New Brunswick. All four are active in 4-H, their schools and their communities.

They are the first recipients of a new 4-H scholarship, the Leader-

ship Excellence Awards of Distinction, and were honored at the 4-H Canada Members Forum in Regina during Canadian Western Agribition week.

The LEAD awards are designed to recognize 4-H members who have gained life skills and impacted their communities through their involvement in 4-H.

McGillivray received the award for leadership excellence in the environment and healthy living. Now a first-year science student at McGill University in Montreal, McGillivray hopes to pursue a career in medicine or as a sports physiotherapist.

A 4-H member for nine years, she has completed beef, sheep and junior leadership projects, and now sits as the British Columbia director on the Canadian Junior Angus Association Board. She also competed in and later coached gymnastics, learning and teaching the physical aspects of the sport in addition to the importance of nutrition and managing injuries.

Choquette, a first-year commerce student at the University of Saskatchewan, received the award for leadership excellence in community engagement and

communications.

A 4-H member for 12 years, he is active at the club, district, regional, provincial and national levels, as well as being involved in school and community activities. He is currently a director on the Saskatchewan 4-H Council and a member of the Saskatchewan youth advisory committee for 4-H Canada.

The award for leadership excellence in sustainable agriculture and food security went to Pizey, a first-year mechanical engineering student at the University of Saskatchewan. His career goal is to design and test large-scale agricultural equipment.

Pizey helped his 4-H club establish a breakfast program at the local elementary school, one of his many accomplishments in 10 years as a 4-H member. He rents 40 acres of the family farm from his father, managing the production, marketing the grain and using his experience to teach fellow 4-H members.

Pickard, a 4-Her and first-year student in mechanical engineering at the University of New Brunswick, received the award for leadership excellence in science and technology. She hopes to develop technology that will

help farming become more efficient and environmentally friendly.

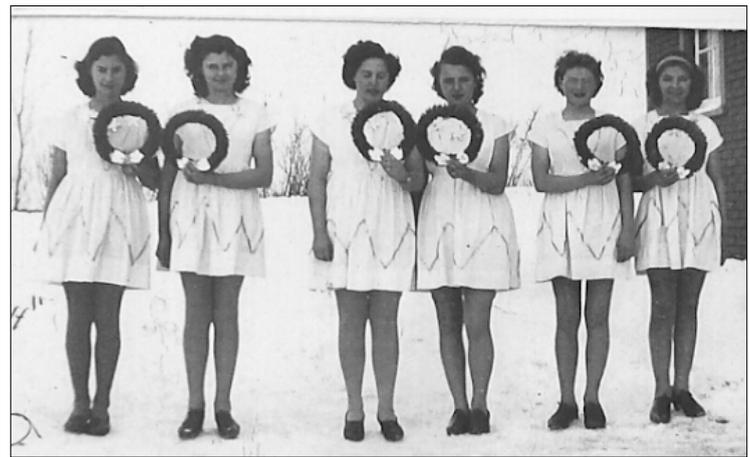
The recipients will each receive a \$20,000 scholarship, payable over four years if they maintain good academic records. Each has also been matched with an industry mentor.

The annual awards are funded through a \$600,000 commitment from CN Rail, announced last week at Agribition. The funding also covers the establishment of a 4-H Farm Safety Fund to be used to support safety initiatives on the farm and in rural communities.

The award winners credited 4-H with giving them the confidence to take on leadership roles and referred back to the 4-H motto, learn to do by doing.

"4-H taught me the most important skill of all, having confidence," Choquette told the award banquet. "Having confidence means putting yourself out there and doing something that makes you sick to your stomach but doing it anyway because you know it is going to make you a better person."

LOOK FOR MORE COVERAGE OF 4-H IN NEXT WEEK'S EDITION >>



TOP: As many as 46 students attended Valley Plain School at one time.

ABOVE: Students line up for a wreath drill.

ABOVE RIGHT: A class picture, circa 1945. | VALLEY PLAIN SCHOOL PHOTOS

LOOKING BACK

Visit to old school sparks feelings of community

Residents in Valley Plain, Sask., maintain the building that now hosts concerts, meetings, parties and quilting bees

BY KAREN MORRISON
SASKATOON NEWSROOM

VALLEY PLAIN, Sask. — It was a time when cursive writing with anything other than the right hand and speaking in your mother tongue were punishable offences.

Robert Govan, now in his 90s, recalled getting the strap at the Valley Plain one-room schoolhouse.

"It was a piece of leather and it hurt," he said of the corporal punishment tool neatly tucked into the teacher's wooden desk drawer.

"I wrote left-handed and had to learn to right-handed."

The school's onetime male teacher commonly used the strap to teach students a lesson.

"If he didn't put it in one way, he put it in with a ruler," said Govan.

Jim Nicholls, who attended in the 1950s, said one boy who only spoke Ukrainian turned to his brother to ask a question and both ended up on the stinging end of the strap.

Running home to complain was not an option, he added.

"You didn't tell your parents or you'd get another one. The teacher was never wrong," said Govan, who counted 48 teachers who taught at the east-central Saskatchewan school.

Valley Plain was open from 1915-63, with one teacher overseeing as many as 46 students.

There was a different teacher most years. Most were single and

left to get married, with only a couple lasting more than a year.

They lived in a teacherage in the schoolyard, which often had to be shovelled to allow the teacher to cross the yard in winter.

In the 1930s, they were paid \$350 a year.

Govan attended Valley Plain until Grade 8, when he started farming. It was commonplace for boys to be pulled out of school to help on the farm.

Students attended from farms within the six sq. mile district, some by a horse pulling a cutter, stone boat or toboggan. Govan walked the mile or so to school.

"The horses had to work, so we had to walk," he said.

Nicholls said his siblings initially came by horseback.

"Can you imagine sending your kids to school on a horse?" he said.

Nicholls said children were a lot tougher back then and rough play was common, such as stripping down to jump into a nearby dugout or slough, throwing ice balls in winter, climbing trees to get crow's nests and racing horses.

Bullies were no match for big brothers or groups ganging up against the offenders.

Lunches would freeze in the unheated porch in winter so had to be placed near the heater, which was also a highly coveted location for shivering students. Ink in the desk wells, normally used only by



Volunteers help maintain the 101-year-old building, now used for meetings and social events. They include, from right to left, Robert Govan, Jim Nicholls, Randy Walter, Jamie Engele and Kathy Pruden. Much of the original furnishings remain. | KAREN MORRISON PHOTOS



older students, also froze on cold days.

Govan said a bucket of water and common dipper served as the students' water source.

Coal oil lamps and lanterns were the source of light in the early years and were replaced by gas lanterns, which were considered a luxury in the 1930s.

Outhouses behind the school served the children's basic needs.

"It was damn cold. You didn't spend too much time there," said Govan.



Added Nicholls: "You didn't go till you had to and then you got it done."

A metal sign bearing the school's name now frames the white wooden structure from the grid road. Volunteers maintain the heritage site to allow for social activities hosted here.

Kathy Pruden said families want their kids to remember the old-time experiences that once included box socials, Christmas concerts, quilting bees, card parties, 4-H

meetings, movie screenings, church services and vacation Bible school.

"Everyone wants their kids to have our experience," she said.

Jamie Engele, who moved back to the area from Estevan, Sask., agreed.

"Every time I leave (the school), I have a better sense of community," said the parent and school secretary-treasurer.

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JEWISH CELEBRATION

Enjoy a taste of tradition during Hanukkah

TEAM RESOURCES



SARAH GALVIN, BSHEC

My favourite invitation of the year is to share in Hanukkah celebrations. My Jewish friend's uncle is the master latke maker in her family and the hazy smoke-filled tiny kitchen is the hub of activity on the first night of celebrations.

Food cooked in oil is symbolic. After defeating their enemies, the Maccabees wanted to rededicate their temple but could only find a small amount of oil for the lamp. To their amazement, this oil burned for eight days.

This year's celebration begins on Dec. 6 when the menorah, the Jewish candleholder, is lit one candle at a time every night for eight nights.

POTATO LATKES

- 2 1/2 lb. potatoes, peeled 1.25 kg
- 1 medium onion
- 2 large eggs, separated
- 1/2 c. finely chopped green onions, white and green parts 125 mL
- 1/4 c. potato flour or matzo meal 60 mL
- 3 tbsp. unsalted butter, melted 45 mL
- 2 tsp. kosher salt 10 mL
- 1/2 tsp. freshly ground black pepper 2 mL
- 1/4 tsp. baking powder 1 mL
- canola or vegetable oil, for frying

Place a large strainer over a bowl. Using the large holes of a box grater, grate some of the potatoes, followed by some of the onion, into the strainer. Repeat until all are used up.

Alternating potatoes and onion prevents the potatoes from discolouring. Squeeze out as much liquid as possible.

To potato mixture, add egg yolks, green onions, potato flour or matzo meal, butter, salt, pepper and baking powder and mix well. In a separate bowl, beat egg whites with an electric mixer until they hold stiff shiny peaks. Fold egg whites into potato mixture. Heat a thin layer of oil in a large heavy frying pan over medium-high heat.

Working in batches, scoop 1/4 cup (60 mL) of the potato mixture into the pan for each pancake. Flatten gently with a spatula.

Fry until crisp and golden brown, about four minutes per side.

Serve immediately or reheat in a 350 F (180 C) oven for about six minutes. Serve with sour cream and applesauce.

Source: adapted from russanddaughters.com.

STRAWBERRY SUFGANIYOT

Latkes are the favourite Hanukkah food in North America compared to the doughnut in Israel.

- 1 envelope active dry yeast
- 3 - 4 c. all purpose flour, divided 750 mL - 1 L

- 1 tbsp. plus 1/4 c. sugar 75 mL
- 2 large egg yolks
- 1 large egg
- 1/2 c. warm whole milk 125 mL
- 1/2 tsp. finely grated orange zest 2 mL
- 2 tbsp. fresh orange juice 30 mL
- 1 tbsp. brandy, optional 15 mL
- 1 tsp. kosher salt 5 mL
- 1/2 tsp. vanilla 2 mL
- 6 tbsp. unsalted butter, room temperature, cut into pieces 90 mL
- 8 c. vegetable oil for frying 2 L
- 1 1/2 c. strawberry jam 375 mL
- icing sugar, for dusting

Combine yeast, one tablespoon (15 mL) flour, one tablespoon (15 mL) sugar and two tablespoons (30 mL) warm water in the bowl of a stand mixer. Let stand until yeast starts to foam, about five minutes.

Whisk in egg yolks, whole egg, milk, orange zest, orange juice, brandy, salt, vanilla, two cups flour (500 mL) and remaining 1/4 cup (60 mL) sugar. Mix on low speed with dough hook until combined, about two minutes.

Add butter one piece at a time, mixing well between additions. Any small lumps will get worked into dough when more flour is added. Gradually add remaining flour but you may not need all of it. The dough will begin to pull away from sides of bowl and climb up dough hook. Be careful not to add too much flour because the dough should be soft.

Turn dough onto a floured work surface and knead, adding flour as needed, until no longer sticky, about five minutes. Transfer to a buttered bowl, turn to coat and cover with a clean kitchen towel. Rise in a warm place until doubled, about one hour.

Roll out dough on a lightly floured surface until 3/4 inch (2 cm) thick. Using a floured 2 1/2 inch (12 mm) round cutter, cut dough, twisting to release the dough. This strengthens the edges so the dough puffs when frying. Reroll scraps once.

Transfer rounds to a parchment-lined baking sheet and cover loosely with a kitchen towel. Rise until almost doubled in size, 40-50 minutes. If you are not ready to fry, refrigerate up to three hours.

Fit a large heavy saucepan with thermometer. Add oil to measure four inches (10 cm) and heat over medium-high heat until thermometer registers 350 F (180 C). Working in batches to maintain the temperature, fry dough until golden, about one minute per side. Transfer to a paper towel-lined baking sheet and cool slightly.

Pulse jam in a food processor until smooth and scrape into piping bag fitted with 1/4 inch (6 mm) tip. Insert tip into top of sufganiyot and gently fill until jam just pokes out of hole. Dust with icing sugar just before serving.

QUICK BLINI

These thin buckwheat pancakes are traditionally served with sour cream and caviar or smoked salmon. Thick yogurt can be used instead of sour cream.

- 1 pkg. instant yeast
- 3/4 c. plus 2 tbsp. warm water 205 mL
- 1 tbsp. honey 15 mL
- 1/2 c. buckwheat flour 125 mL



Potato latkes can be served with sour cream or apple sauce. | SARAH GALVIN PHOTOS

- 1/2 c. unbleached all purpose flour 125 mL
- 1/4 c. instant nonfat dry milk powder 60 mL
- 2 tbsp. sour cream or plain yogurt 30 mL
- 1 1/2 tbsp. butter or margarine, melted and cooled 22 mL
- 2 large eggs, separated
- pinch of salt
- oil for frying

In a medium bowl, combine yeast, water and honey. Let the mixture rest for about five minutes or

until it is foamy. Stir in the flour, milk powder, sour cream or yogurt, melted butter and egg yolks.

Cover the bowl with plastic wrap and let the batter rest for 30 minutes. It will not rise much, but bubbles will form on the surface.

In a separate, clean bowl, beat the egg whites with the salt until they form stiff peaks. Over beaten whites will be difficult to fold in. Gently fold the beaten whites into the batter.

Preheat a large skillet over medium-high heat and lightly grease it. Spoon about two tablespoons (30

mL) of the batter onto the preheated pan. When bubbles have formed on the surface of the pancakes and the bottoms are browned, turn them once and cook until lightly browned on the second side. Serve with desired accompaniments. Makes about 30.

Source: adapted from *The Jewish Holiday Cookbook* by Gloria Kaufer Greene.

Sarah Galvin is a home economist, teacher and farmers' market vendor at Swift Current, Sask., and a member of Team Resources. She writes a blog at allourfingersinthepie.blogspot.ca. Contact: team@producer.com.



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Mitch and Melissa Stuart, and their children, Amy and Haley, raise purebred Red and Black Angus, and commercial cattle near Edam, Sask.

| WILLIAM DEKAY PHOTOS

ON THE FARM

Timing was right for couple to join farm and grow herd

Stuart family shares land, machinery and pasture with parents and have expanded the herd to 360

BY WILLIAM DEKAY
SASKATOON NEWSROOM

EDAM, Sask. — The satisfaction and privilege that comes from toiling together on the farm are special, said Melissa Stuart.

“At the end of the day, you still go home and you’re still a family. I don’t know if a lot of kids see that anymore,” she said.

Melissa and her husband, Mitch, operate Stuart Cattle Station, a Red and Black Angus purebred and

commercial herd east of Edam, Sask.

The couple, along with daughters Amy, 7 and Haley, 5, lives a stone’s throw from the farmyard of Mitch’s parents, David and Alice Stuart.

Together, they still farm the half

section first homesteaded by Mitch’s great-grandfather, a professional banker who left Toronto in 1924 to build a farm.

The couple first met at the University of Saskatchewan, where they received degrees in agriculture (animal science) in 2004.

They lived in Saskatoon for more than two years but the lure of the land tugged at them.

The leap of faith to move home, build a modest abode and eventually leave their day jobs followed the births of both children.

“We had a long talk about it and we decided we didn’t want other people raising our kids,” said Mitch.

Added Melissa, “Our parents both said you only get to raise kids once. They only grow up once.”

In 2012, Mitch discontinued his daily two to three hour commute into Saskatoon.

“That was the year, we had 70 percent heifers though so we had a lot of heifers coming up along the line, so our herd was going to be more,” said Melissa.

Good timing coincided with their growing herd.

“(A friend) said you built your herd during cheap years and you can live off of it now that cattle prices are high. It’s going to contribute better to your income,” said Mitch. “We’re reaping the rewards of the cattle market the way that it is.”

They took out loans on cattle and received help from Mitch’s parents.

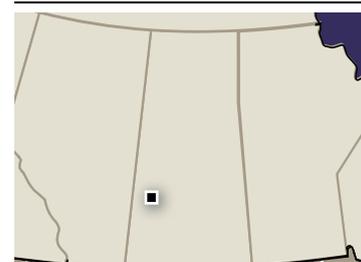
“If they weren’t around and if they weren’t supporting us, there’s no possible way that we would ever be able to do what we’re doing,” said Mitch.

They describe their two operations as intertwined, borrowing and sharing land, machinery and rented pastures.

“The biggest thing and Dad has said this thousands of times is we’re building sweat equity,” said Mitch. “It is helping out Mom and Dad because their herd is a lot bigger than it ever has been, which will be their retirement.”

The Stuarts have a goal of building a sustainable farm, both financially and environmentally.

ON THE FARM



THE STUART FAMILY
Edam, Sask.

They turned 360 head out to breed this past spring and retained about 120 heifers. They background 40 steers and feed 50 yearling bulls.

Their operation is manageable. They realize the tough part is balancing the work of herd expansion while continuing to focus on raising a young family.

“We’re not the type of people that want to be a mega farm. We have no aspirations to run a thousand cows. There’s a lot of competition for land, for rent, for bales, for grain,” said Mitch. “Everybody has a different measurement of happiness. The big one’s financial.”

Despite a strong cattle market, economic stress is still also a factor.

“I’ve always said that farming is the most rewarding and the most frustrating occupation that there is on the planet,” said Mitch.

He said the same week they sold calves for a good price, their tractor needed some expensive mechanical work.

“We stimulated the economy.”

The Stuarts said their daughters are already an active part of the daily farm activities.

“If we’re processing cattle, they’re out there with us. Just this last year they’ve been starting to work on the chutes and learning flight zones,” said Melissa.

Walking through the cattle stalls at this year’s Edam Fall Fair, Amy noted the manure odours.

“That’s what I love. It smells like home,” she said.

william.dekay@producer.com

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STRAINED MUSCLE

Back pain not sign of kidney stones

HEALTH CLINIC



CLARE ROWSON, MD

Q: I have developed a sudden onset of back pain. I don't remember doing anything to hurt my back. There is a sharp pain in the middle of my back, slightly to one side. Do you think it might be something wrong with one of my kidneys? I am female and in my 70s.

A: The pain from kidney stones is usually in the side rather than the back and is generally severe. It is often accompanied by obvious blood in the urine.

I expect that you would most likely have visited the emergency department by now if this was the case.

One in 20 people develop kidney stones at some point in their lives. They are often associated with another medical condition such as gout, certain medications, including calcium supplements and vitamin C, and chronic dehydration.

A tendency to develop kidney stones may also run in some families. This condition can be diagnosed with an ultrasound or a CT scan of the area. Sometimes a special type of X-ray called an IVP or intravenous pyelogram is required.

In most cases, small stones will pass through the renal system into the bladder in time. Otherwise surgical interventions may be needed. Lithotripsy is a process in which sound waves are used to break up the stone into small pieces.

Infection in the kidney, pyelonephritis, can also cause back or side pain, but you would be feeling quite ill with a fever, and you would most likely have had other signs of a urinary tract infection such as burning pain on urinating and frequency of urination.

I am guessing that you do not have kidney problems but instead you have suffered some sort of back strain.

Maybe you lifted something heavy out of the trunk of the car or the back of a truck. It is also common at your age to have some degree of arthritis in the spine, which can act up for no particular reason.

Most mild back pain will clear up without treatment in seven to 10 days. Back stretching exercises may help, along with some anti-inflammatory type of painkillers.

If the problem persists, visit your family doctor who may refer you to a physiotherapist.

Clare Rowson is a retired medical doctor in Belleville, Ont. Contact: health@producer.com.

ADOLESCENCE

Help son understand emotions to reduce anxiety

SPEAKING OF LIFE



JACKLIN ANDREWS, BA, MSW

Q: Our 13-year-old son is at that touchy and edgy stage in adolescence where he overreacts to everything that is going on around him. He says that his dad and I pick on him too much, that his younger sister annoys him, that school is a waste of time and that he would fire his hockey coach and get a new one.

I know this is a stage and I can

appreciate how difficult it is for him but I would like to do something that might help him settle. To be honest, it is getting to me at times. What can we do to help?

A: Your son is likely going through a difficult stage in his personal development. For some kids, neurological development that governs emotions matures more quickly than logical and rational thinking. This could be true for your son.

Things have a way of balancing themselves over time and some of that logic you are not seeing will appear within the next couple of years.

To help your son now, look at emotional regulation guidelines and tailor them to your son's needs.

The first principle is to be aware of and understand whatever emotions with which he may be struggling. Often people are not fully aware of their emotions.

Some may say that they are angry when they are really feeling hurt and distraught or depressed when they are isolated and lonely. They may feel overwhelmed when they are actually feeling incompetent and anxious.

The more you can encourage your son to be aware and honest about his feelings, the better are his chances of learning to deal with them more effectively. It starts with honesty.

Your son may need some help with impulse control. Kids often have a bad habit of doing or saying something that may come back to

haunt them.

Examples can be found in social media with people regretting impulsive and explosive comments. It might not hurt to have a few rules in place governing his cellphone, laptop and other devices.

Finally, make sure that your son is not in complete control of your household.

The more you can keep your family structure in place, preparing meals at regular times, having regular bed times and quiet times and generally expecting him to be respectful to others in the house, the more likely he is to build healthy habits that will last a lifetime.

Jacklin Andrews is a family counsellor from Saskatchewan. Contact: jandrews@producer.com.

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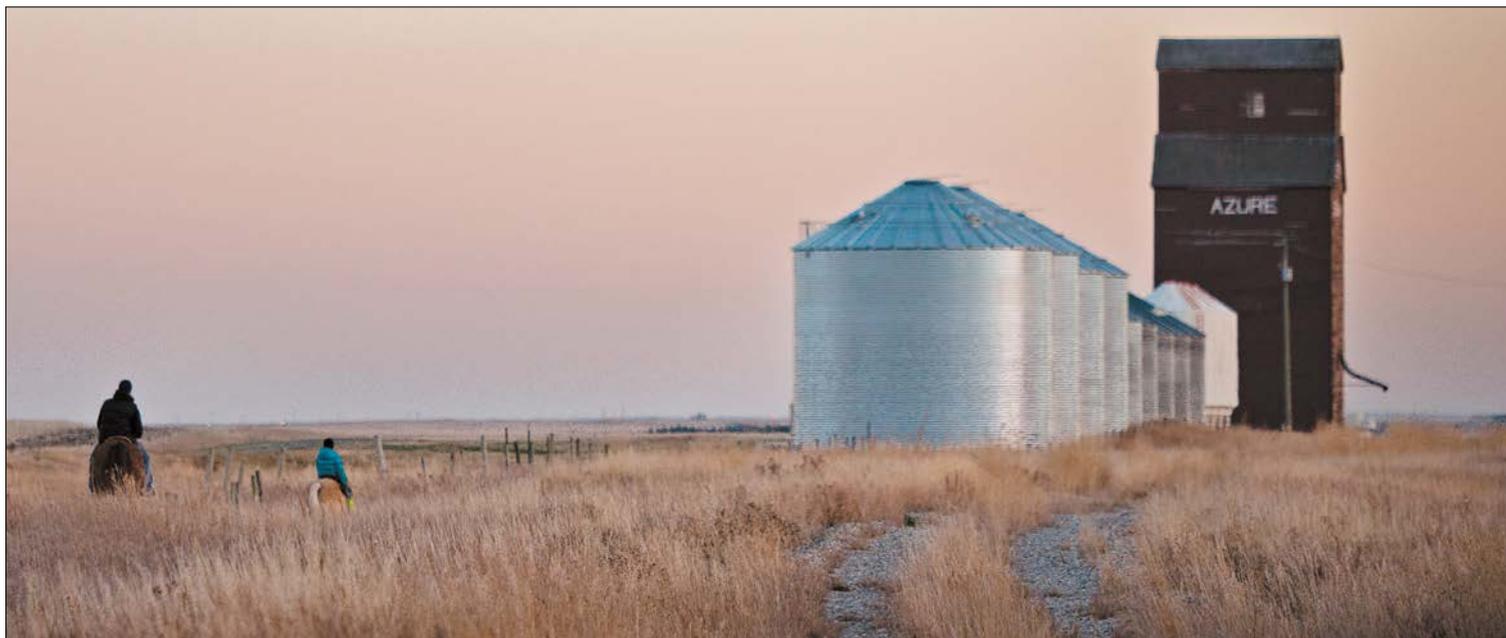
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Riders take an evening stroll south of High River, Alta., in late November. | MIKE STURK PHOTO

AG NOTES

PRODUCER SURVEY TO HELP WITH STRESS

Researchers at the Ontario Veterinary College at the University of Guelph are conducting a study to get better resources and tailored services for agricultural producers dealing with stress.

The survey asks about stresses producers experience and examines depression, anxiety and burn out.

Researchers will study where the stresses originate, as well as mental health indices, wellness and resilience.

The survey will ask producers whether they have sought help for any distress and their thoughts about those resources.

It will also inquire for opinions of why some producers have not sought help.

Researchers have set a goal of 1,000 producers. They say it's important that all types of producers participate, not only those who experience stress.

The survey is available at www.producerwellness.ca.

For more information, contact Dr. Andria Jones-Bitton at the University of Guelph.

BOARD ELECTIONS

Members of the Manitoba Canola Growers Association will be going to the polls this year to elect four directors for a four-year term.

Ballots must be received on or before 4:30 p.m. Dec. 10.

There are six candidates:

- Cory Barker
- Hugh Drake
- Jacob (Jack) Froese
- Clayton Harder
- Ron Krahn
- Bill Nicholson

WHEAT RESEARCHER BECOMES SCIENCE FELLOW

Ravi Singh of the International Maize and Wheat Improvement Centre has been named a Fellow of the American Association for the Advancement of Science.

Singh was elected by his peers for his contributions to agricultural research and development, particularly in wheat genetics, pathology and breeding.

The association presented the honour to 347 members for their scientific or social efforts advance science.

New Fellows will be presented with an official certificate and a gold and blue rosette pin, which represents science and engineering.

The tradition of AAAS Fellows began in 1874. They must have been continuous members of the association for four years by the end of the calendar year in which they were elected.

Steering groups review their nominations of individuals and a final list is forwarded to the AAAS council, which votes on the list.

NUTRIENT APPLICATION BAN

Recent snowfall means the winter nutrient application ban is now in effect in Manitoba.

It will continue until midnight on April 10 and applies to all forms of nutrients, including livestock manure and inorganic fertilizer.

Additional information on nutrient application restrictions can be accessed online.

The restrictions are designed to protect the water quality of Manitoba's lakes and rivers by reducing nutrient loading.

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VersaFrame stocks a full line of accessories such as fasteners and closures to go with their products.

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"When you commit to use us as a supplier, we will be committed to ensuring that you are getting the best service and pricing in a very competitive industry. At the same time, you will receive the highest quality of products to fit your building needs," he stated.

Metal products come in a wide variety of gauges, materials and colours.

"With our company supplying the agricultural world, it is a best fit to have locations in the rural areas. However, we have also picked locations to service major city centers."

Locations all within 20 to 60 minutes of cities. This has allowed VersaFrame to reach out to more customers. The business knows people will only travel so far for savings. Time is money.

In Alberta, VersaFrame has locations in Nisku, Holden, Westlock, St. Paul, Torrington, Drumheller, Lethbridge, Granum and Medicine Hat. Other locations include Regina, Biggar, Leask, High Bluff, Decker and Fort St. John.

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1940

Young Alberta farmer named wheat king

FROM THE ARCHIVES



BRUCE DYCK, COPY EDITOR

The Western Producer takes a weekly look at some of the stories that made headlines in issues of the paper from 75, 50, 25 and 10 years ago.

75 YEARS AGO: DEC. 5, 1940

Francis Rigby, 22, of Wembley, Alta., won the wheat king title at the International Livestock Exposition and Grain Show in Chicago for the third year in a row. It was the 12th consecutive wheat title for Canada and the 18th time in the last 22 years that a Canadian had won the title. Rigby won with the Reward variety of hard red spring wheat. His sample weighed 67.7 pounds.

Paul Bredt, president of Canadian Co-operative Wheat Producers Ltd. and president and managing director of Manitoba Pool Elevators, died of a heart attack at the age of 57. He had collapsed shortly after addressing Alberta Wheat Pool's annual meeting in Calgary.

50 YEARS AGO: DEC. 2, 1965

The 48 member countries of the International Wheat Agreement extended the treaty for another year, but the United States continued to threaten to pull out of the arrangement. The agreement required importing countries to buy a percentage of their wheat from exporting members, but the U.S. wanted importers to be required to buy all their wheat from member exporters. Canada favoured maintaining the agreement because it felt it had a stabilizing effect on wheat prices.

Alberta Wheat Pool president G.L. Harrold expressed concern over grain transportation in Western Canada. He said movement of grain to the pool's Vancouver terminal was neither normal nor regular.

"While we fully recognize the increasing demands on the railroads resulting from continuous industrial developments on the Prairies, the apparent shortage of motive power by one of the major railroads at the present time is cause of anxiety to all those concerned with the future development of the Prairies," he said.

25 YEARS AGO: DEC. 6, 1990

The Kenaston-Davidson-Craik



Workers unload pool wheat from the hull of a barge at the Co-operative Wholesale Society's Sun Flour Mills in Manchester, England, in this undated photo. | FILE PHOTO

Farm and Town Self-Help Movement posted signs on private property on Highway 11 in central Saskatchewan to promote the survival of rural communities, but the provincial government ordered their removal, saying they were illegal because of their location. The local group appealed the order.

The Alberta government confirmed farmer fears and killed its low-interest farm loan program. However, to soften the blow, it extended a fertilizer subsidy program to July 31, 1991.

10 YEARS AGO: DEC. 1, 2005

The Farmer Rail Car Coalition had hoped to buy 12,000 hopper cars from Ottawa for \$1, but it continued to be upbeat after the Liberal government put a \$204,999,999 price tag on the cars.

Coalition president Sinclair Harrison said the price was still affordable and would produce financial savings for farmers.

Alas, the country was in the middle of a federal election, which the Conservatives won. The new government scrapped the deal.

The National Farmers Union was feeling vindicated after an Australian government study found that mice became sick after eating genetically modified peas.

"This new information fundamentally reinforces the NFU policy, which states that every new genetically modified product has to be thoroughly tested on a case by case basis," said NFU president Stewart Wells. However, the technology doesn't appear to have suffered much of a setback in the last 10 years.

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OUTDOOR PURSUITS



KIM QUINTIN

My wife, son and I went on a camping trip through the Alberta Rockies this summer. We came across a knife store called Slice & Dice during our stay in Jasper, Alta., and I was curious about its products.

Inside the simple, but well-presented shop was an assortment of folding, hunting and kitchen knives made from carbon or random pattern-welded Damascus steel.

I could tell everything was handmade and their details revealed quality craftsmanship.

I decided to buy a hunting knife that caught my eye, and it was then that I met the store's friendly and talkative maker, blacksmith Boris Bukovec.

Boris was originally from Germany, where he learned blacksmithing and knife making from his father. He was proud of his blacksmithing origins and held his father's skills in great regard. From what I could tell of the quality products offered at the store, his pride was certainly justified.

The hunting knife I chose was 9.5



This hunting knife from Slice & Dice in Jasper, Alta., is made from stabilized wood, which prevents it from cracking when the temperature rises or falls. | KIM QUINTIN PHOTO

inches long with a 4.5-inch blade. A blunt section of the blade, called a Ricasso, allowed the user to easily choke up for detail cutting. Boris uses custom carbon steel, which he modifies from Bohler tool steel and modifies at his forge.

The blade had a concave secondary grind. When I bought the knife at the Jasper shop, Boris personally finished and polished the edge until it easily shaved hair and cleanly sliced thin telephone book paper.

The polished wood handle was made from stabilized material. Stabilizing wood is a treatment

process that prevents it from cracking, expanding and shrinking over time when exposed to different environments. When properly done, stabilized wood will outlast the lifetime of its owner.

The handle had a subtle taper near the blade for a comfortable pinch grip, which is used when skinning and slicing.

It was finished with brass pins for security and a leather thong to draw the knife easily from its belt sheath.

The black pouch-style leather sheath was handmade by Boris's wife. It had quality stitching,

retained the knife well and hung from my belt at a comfortable and usable height. I have seen a lot of poorly designed and made sheaths, but this was definitely not one of them. The style of the knife and its sheath made for a handsome package.

My tests of the knife were positive: it cut and pierced well. Boris's custom carbon steel resisted edge chipping and rolling, held its sharpness through long periods of use and sharpened easily.

I believe I spent \$250 on the hunting knife in this review. Handmade knives are generally more expen-

sive than mass manufactured products, but they are worth the investment. I am confident I will be passing this knife to my son one day, and hopefully he will be passing it on to his children when the time comes.

For more information about Slice & Dice, visit Boris's website at www.slice-dice.ca, email slice.dice.handmade.art@gmail.com or call him at 780-723-1667.

Kim Quintin is a Saskatoon outdoor enthusiast and knife maker. He can be reached for column suggestions at kim.quintin@producer.com or 306-665-9687.

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DISEASE CONTAINMENT SERVICE

Phone, GPS system aims to boost livestock security

System warns producers if another producer has confirmed a disease or noted unusual symptoms in a particular area

BY REBECA KUROPATWA
FREELANCE WRITER

Satellite-based biosecurity may be the next weapon in the fight against livestock diseases.

"The last 12 years, they have been running these simulations for when a disease outbreak occurs," said Tim Nelson, president of Be Seen Be Safe.

"One of the issues in the disease simulations was the business of understanding or knowing who had been on our farms and being able to get in touch with them, so that we can warn them they had been on a farm that may have a disease. It's all about forewarning.

"The whole system we've created is not about protecting the individual farm. It's about regional protection. It's about being able to, very quickly when there's a sign of disease, notify all of the people that may have been connected with that disease."

Nelson said his company's system does not help a producer who already has the disease, but it can stop people from going to farms after they have been on an infected farm.

The system will also notify farms if they have had a visitor who has been in contact with a disease so that they can go on full alert.

"This is good for any livestock sector, particularly where you have service personnel running from

farm to farm," said Nelson.

"We have feed trucks driving from farm to farm, egg pick-up trucks going farm to farm, milk collection vehicles going from farm to farm on a daily basis, salesman running around, all sorts of people who run around livestock on a regular basis."

Nelson's company also asks producers to report symptoms as soon as they arise. The method is used in the human health sector, but it is new in livestock disease management.

Producers use the company's app to report symptoms.

"What happens then is the farmer or the farm technician or whoever on the farm sees a symptom, hears or sees a few dead chickens, or water consumption in the dairy farm has dropped, anything unusual, and they report that with the drop-down box," said Nelson.

"It's instantly mapped, so these maps can be public and other producers with the same species of livestock can see what diseases or possible diseases there are moving around their property. It's heat mapped, so you can put in your property, and you can look at five, 10, or 20 kilometres and monitor the movement of disease symptoms."

Farmers who report diarrhea or sneezing birds allow their neighbours to vaccinate their animals.

"The system works by using your mobile phone or GPS devices, which is where the satellite comes in," said Nelson.

"GPS devices on all smartphones can be enabled with the Be Seen Be Safe all health monitor apps. After you download the app and register your profile with us, you are then on the system.

"As a service person, when you enter or exit a property that is on our system, you cross what is known as a geo-fence, which is a virtual boundary erected around the property, remotely, by my staff. So, we put up a virtual fence around all properties on the system. And then, when somebody with a Be Seen Be Safe-enabled device crosses that boundary, it records who came onto the farm, when they came onto the farm, and when they left."

The company does not track people outside of geo-fenced farms.

"They only monitor when you go in and when you leave," he said.

"That information is then used to create a clever map that shows the movement of people and vehicles around agriculture on a real-time basis.... Nobody knows who those people are except for us."

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SUSTAINABILITY

Group tackles sustainable crops

The roundtable's members are a cross section of the industry

BY JEFFREY CARTER
FOR THE WESTERN PRODUCER

DRESDEN, Ont. — Collaboration and compromise will be part of the Canadian Roundtable for Sustainable Crops, says the senior manager of sustainability for McDonald's Restaurants of Canada.

Jeffrey Fitzpatrick-Stilwell said the group will focus on economic, environmental and social sustainability.

As of late November, 36 food and agriculture businesses and organizations had paid \$1,000 memberships to be part of the group.

McDonald's has already made forays in this direction with its Our Food, Your Questions and Not Without Canadian Farmers programs. Rather than driving the process, Fitzpatrick-Stilwell sees food service providers collaborating with other links in the food chain.

"It isn't an easy task, and in any format like this there has to be compromise, but from our experience, the Canadian agriculture value chain's intentions are sound and responsible," he said.

"Consumers are increasingly inquisitive about where their food comes from and how it's grown and

raised. On the retail end of the value chain, we require credible proof points to enable us to respond to those concerns and help enable connections between consumers and the people who grow and raise the food in our restaurants."

The roundtable has been around for two years but is only now gaining momentum with the appointment of Fran Burr as executive director. She accepted the position in August after retiring from her job as vice-president of marketing for Cargill in Canada. One of her first jobs will be to oversee the design of a logo and website.

Burr said it's hoped next year's budget will add up to around \$1 million.

Members include the Canadian Grains Council, the Canadian Federation of Agriculture, the Flax Council of Canada, Pulse Canada, Crop Life Canada, the Canola Council of Canada, Weston Foods, Canada Bread, McCain Foods, McDonald's Restaurants of Canada, Cargill, BASF, Syngenta and the Soil Conservation Council of Canada. The World Wildlife Fund has also been invoiced for a membership.

Burr said the grains council has provided seed money for the group, while Agriculture Canada

has earmarked \$1 million for projects over the next three years.

"We're going to have to do some fundraising, going back to the members, the federal government and perhaps the provinces," she said.

"What will make our message strong is that we are such a broad and diverse group. It's the full value chain from producers to end users."

A key focus for the roundtable will be to develop standards for agricultural sustainability, which Burr said will be outcome-based rather than prescriptive.

"There's currently a lot of confusion out there," she said.

"What the CRSC is trying to do is understand the needs of consumers and look at the farmers' end and help sort this out."

Fitzpatrick-Stilwell said Canada's farm community is already sustainable, although there's still room for improvement.

"Economic sustainability is the most important of the three pillars because you can't have the other two — environmental and social sustainability — if farmers can't make money and if younger generations do not see a future," he said.

INFRASTRUCTURE

Alberta water plants to receive repair funds

BY MARY MACARTHUR
CAMROSE BUREAU

Rural municipalities can now fix water and waste water treatment plants that are in desperate need of repair, said Alberta infrastructure minister Brian Mason.

The Alberta government has set aside \$545 million over five years to repair and update rural water treatment facilities.

"We strongly believe access to high quality drinking water and safe and sanitary water and waste water treatment systems is vital to

growing strong and healthy communities," Mason said when the government funding was announced at the Alberta Association of Municipal Districts and Counties convention.

Rural municipalities are encouraged to reexamine projects previously shelved because of reduced infrastructure budgets, he said.

Mason said he toured a waste water treatment facility in Nanton this summer and found that sections were being held together with boards and baling wire.

Association president Al Kem-

mere said there is never enough money for infrastructure projects, but the announcement will give municipalities access to much needed funds to upgrade and build new treatment facilities.

The funding will be delivered through the Water for Life program to assist water and waste water projects over the next five years.

Communities larger than 45,000 people are not eligible for the grant.

mary.macarthur@producer.com

MANUFACTURING

Nufarm closing Calgary plant

BY D'ARCE MCMILLAN
SASKATOON NEWSROOM

Nufarm Ltd. is closing its manufacturing operations in Calgary and centralizing production in Chicago.

Canadian distribution locations will remain and have increased capacity to ensure customers will be serviced with the same or better response times, the farm chemical company said in a news release.

Also, all sales, marketing, and customer service operations in Canada remain.

"The decision to close the Calgary manufacturing facility is part of the company's commitment to improve the performance of its operations," said Elbert Prado, Nufarm's head of operations.

"We have invested to improve capacity of the overall North American manufacturing base, with a new state of the art seed treatment operation and full retooling of the herbicide facility in Chicago.... This proved a more efficient approach than expansion of the Calgary site."

Chief executive officer Greg Hunt said in the news release that the changes are a further step in the company's ongoing performance improvement program.

"The savings announced today are part of the performance improvement program we announced in February, in which we committed to delivering a net EBIT (earnings before interest and taxes) benefit of \$116 million by fiscal year 2018."

The Calgary closure is expected to result in permanent annualized EBIT improvement of \$3.3 million. Nufarm will record one-off restructuring costs in the current financial year of \$9.5 million, of which \$3.7 million is a non-cash component.

The transfer of manufacturing activities from Calgary to Chicago will be implemented over the next nine months with about 18 full-time and 30 seasonal manufacturing employees affected by the changes.

Nufarm said it is progressing on its previously announced global manufacturing efficiency programs.

The Welshpool site in Western Australia is now closed and in the process of being sold, while the manufacturing facilities at Otahuhu (New Zealand), Lytton (Queensland) and Botlek (The Netherlands) are in the process of being shut down, decommissioned and remediated in preparation for sale or return of assets.

The company's Pipe Road Laver-ton plant in Australia is also in the process of finalizing a reorganization of its manufacturing workforce.

darce.mcmillan@producer.com

AGRICULTURAL OUTLOOK

U.S. farm incomes expected to hit 2002 level

CHICAGO, Ill. (Reuters) — U.S. farm incomes are expected to drop 38 percent this year, says the U.S. Department of Agriculture's Economic Research Service.

It's the steepest year-on-year drop since 1983 and is the result of lower crop and livestock prices.

Incomes are forecast to drop for a second straight year to US\$55.9 billion, which if realized would be the lowest level since 2002, signalling further pressure on sellers of agricultural inputs, equipment and land.

The updated forecast was down from an August estimate for \$58.3 billion and 55 percent below a record \$123.3 billion in 2013, when near record-high crop prices boosted farming profits.

"It is apparent that what is happening in global food prices and the global economy is beginning to filter through into the U.S. farm sector," said ERS economist Jeffrey Hopkins. "Over the past three years we've seen an decrease in the index of food and fibre prices ... Those prices are beginning to impact U.S. farms."

THE AG SECTOR
IS EXPECTED TO EARN

\$58.3 billion

THIS IS MORE THAN
HALF THE 2013 RECORD

Corn futures on the Chicago Board of Trade have fallen by more than half from record highs in 2012 following bumper crops in the United States and South America. Soybean futures hit a 6 1/2 year low Nov. 23 amid ample global supplies.

Shares of farm equipment makers have plunged this year in response to declining sales during the farm economy downturn, while Monsanto announced in October it was cutting 2,600 jobs and restructuring operations to reduce costs amid slumping commodity markets.

Farm income was down mostly because of lower crop and livestock prices, which cut crop receipts at U.S. farms by 8.7 percent to \$18.2

billion and livestock receipts by 12 percent to \$25.4 billion, the ERS report said.

The decrease was only partly offset by a \$7.7 billion drop in production expenses, down two percent, and a \$1 billion increase in government payments to farmers through programs such as crop insurance.

The ERS forecast farm debt to increase by 6.8 percent, while farm assets such as land and machinery were seen dropping by 2.8 percent, pushing farms' debt-to-asset ratios up for a third straight year. However, the measure was still low in historical terms, the agency said.

"It still appears that the sector is insulated from default risk, which is what the debt-to-asset ratio is measuring," Hopkins said.

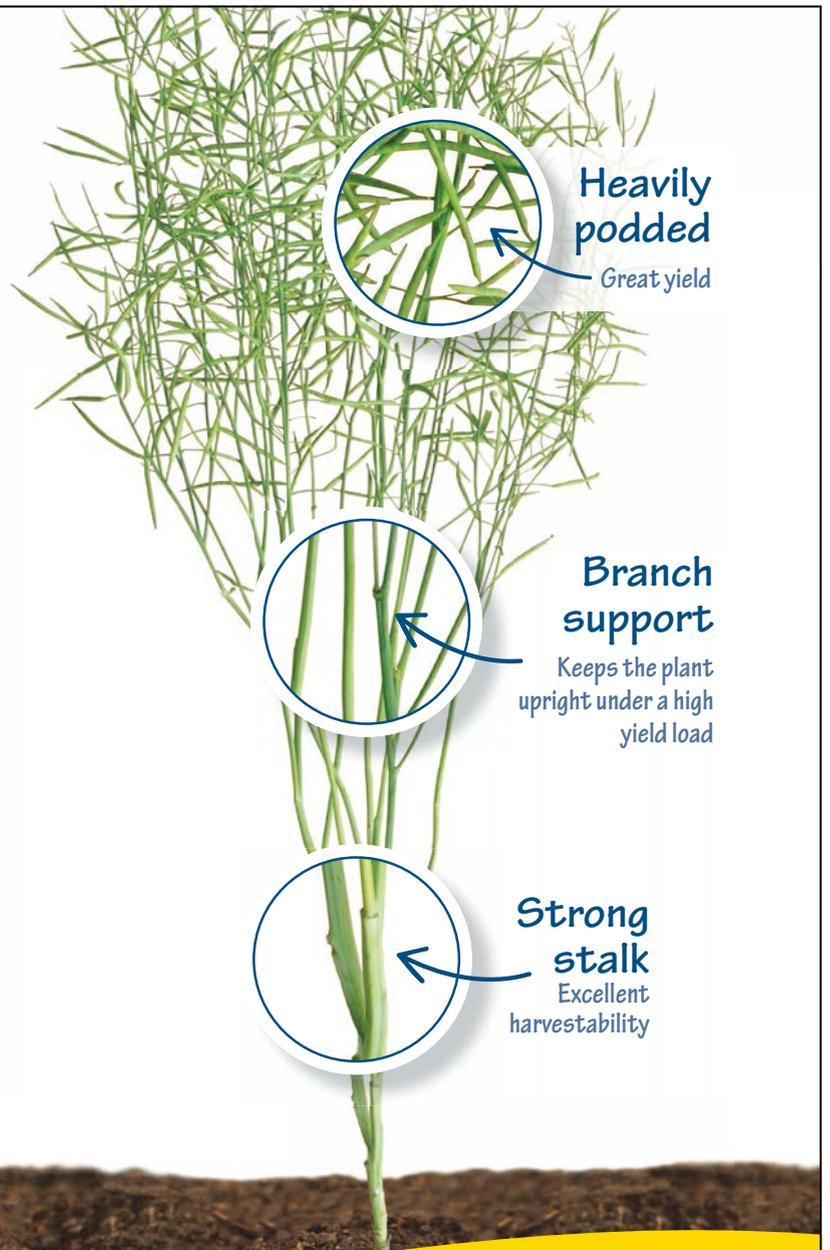
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ENERGY PRODUCTION

Human waste could power millions of homes

Study says turning waste into power could provide income in poor countries

LONDON, U.K. (Thomson Reuters Foundation) — Biogas from human waste has the potential to generate electricity for millions of homes while improving health and protecting the environment, says the United Nations University institute.

The biogas that is potentially available from all the human waste in the world would be the equivalent of up to \$9.5 billion worth of natural gas a year and could produce electricity for as many as 138 million homes, the UN Institute for Water, Environment and Health (UNU-INWEH) said in a study.

Biogas that is generated by bacteria breaking down waste could

finance development in low income countries.

"When it comes to creating misery and poverty, human waste mismanagement has few rivals," said UNU-INWEH director Zafar Adeel. "If we can demonstrate a simple, cost-effective new approach in low-resource settings ... we can advance development, protect the environment and help reduce sanitation problems."

The residue from treated waste could globally produce two million tonnes a year of "solid" fuel that could substitute for coal and charcoal, saving trees and protecting the environment, the report said.

"Challenges are many, but clearly

there is a compelling, multi-dimensional financial case to be made for deriving energy from waste," said Chris Metcalfe, a co-author of the report.

Almost one billion people around the world defecate in the open, according to the UN.

If their waste was collected and used to produce biogas, it could generate electricity for 10 to 18 million households and be worth \$200 to \$376 million per year, the UNU-INWEH report said.

Poor sanitation is linked to transmission of diseases such as cholera, diarrhea, dysentery, hepatitis A, typhoid and polio, according to the World Health Organization.

ANNUAL GLOBAL HUMAN WASTE COULD PRODUCE BIOGAS WORTH

\$9.5 billion

TPP

Japan to hike support for beef, pork producers

Draft of Trans-Pacific Partnership deal contains loss protection for Japanese farmers

TOKYO, Japan (Reuters) — Japan will expand handouts to beef and pork farmers by raising the percentage of losses covered by the government to 90 percent from 80 percent.

According to a draft of the policy outline for the Trans-Pacific Partnership trade deal, the government will also increase purchases of domestic rice for reserve stocks to prevent prices from falling because of new tariff-free import quotas from the United States and Australia under TPP.

The steps are expected to ease farmers' worries over TPP and an increase in imports of cheaper foreign farm products. The TPP pact still requires ratification by member countries.

The draft also said Japan aims to raise the value of farm and fishery product exports to US\$8 billion before an initial target year of 2020, compared to about \$5 billion last year.

The country also wants to attract 20 million foreign visitors a year before and wants to see their annual spending hit \$32 billion, according to the draft.

In a separate package of steps to tackle Japan's shrinking population, the government will provide support for single-parent households and families with more than one child, government sources said.

The government wants to keep the population from falling below 100 million

The government is expected to include these measures in a supplementary budget for this fiscal year and in an initial budget for the next fiscal year starting from April.

Prime minister Shinzo Abe has been trying to demonstrate renewed commitment to fixing the economy with three new policy "arrows," which aides say subsume an original trio of hyper-easy monetary policy, public spending and reform.

Those targets include boosting the fertility rate to 1.8 from the current 1.42 so Japan can keep its population from falling below 100 million, supporting those who need to care for elderly relatives and expanding the economy by one-fifth to \$5 trillion.

The package of steps includes measures to reduce household burdens on preschool education to provide "seamless support" from pregnancy to birth to child rearing, the sources said.

The government will also promote special nursing care homes for the aged to eliminate the need to quit work to care for elderly relatives and enhance productivity of the nursing care business.

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ANTIQUE AUCTIONS 0701

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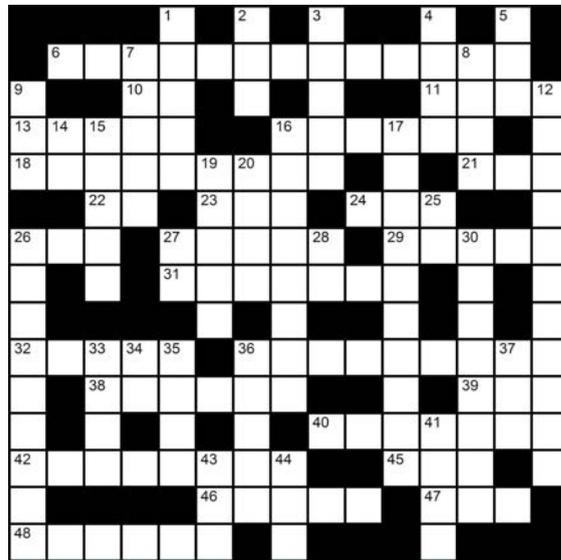
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Entertainment Crossword by Walter D. Feener



Last Weeks Answers

- ACROSS**
6. 2014 zombie comedy (3 words)
 10. Initials of the girl who played Tallahassee "Hassie" McCoy on *The Real McCoys*
 11. Actress Gershon
 13. Chihuahua's name in *Beverly Hills Chihuahua*
 16. He played the warden in *The Shawshank Redemption*
 18. Convenience store Dante worked in in *Clerks* (2 words)
 21. Actress Larter
 22. Initials of an actor who starred in *The Little Princess*
 23. Obi-___ Kenobi
 24. Actress Smart
 26. *Salem's ___* (2004 two-part TV mini-series)
 27. Big name's small part
 29. Lee's partner in *The Black Dahlia*
 31. New York team in *The Natural*
 32. Film starring Gene Hackman and Danny DeVito
 36. Film starring Diane Keaton and Mel Gibson (2 words)
 38. Roger Kint's nickname in *The Usual Suspects*
 39. Archer's wife in *The Maltese Falcon*
 40. Sarandon's role in *Dead Man Walking*
 42. He played the bully who torments Owen in *Let Me In*
 45. Actor Mineo
 46. She made her film debut in *Lucas*
 47. Actress Lupino
 48. Alice's and Carolyn's daughter on *Under the Dome*
- DOWN**
1. She starred in *Bolero*
 2. L.A. movie org. with a Life Achievement Award
 3. Film starring Bruce Willis and Ryan Phillippe
 4. *The ___ Movie*
 5. First Asian American film actor to receive a star on the Hollywood Walk of Fame
 7. Film starring Richard Gere and Claire Danes (with *The*)
 8. Lounge singer of the Coco Bongo in *The Mask*
 9. 1974 John Wayne film
 12. Summer resort town in *Jaws* (2 words)
 14. She played Cassandra in *The Scorpion King*
 15. She played Norrie on *Under the Dome*
 16. Film starring Ben Affleck and Rosamund Pike (2 words)
 17. *A Walk Among the ___*
 19. Knightley's role in the *Pirates of the Caribbean* films
 20. Erin who played Pippi Longstocking in 1988
 25. He starred in *The Utopian Society*
 26. She played Virginia in *Virginia's Run*
 27. He played Stoddard Thorsen, Ritchie's boss in *American Hustle*
 28. Sandra from Ontario
 30. Last name of Beaver's teacher on *Leave It to Beaver*
 33. *Meatballs* director Reitman
 34. Initials of the actress who played Lisa Cattera on *Chicago Hope*
 35. She starred in *The Craft*
 36. 1955 film that won an Academy Award for Best Picture
 37. One of the Gabors
 41. Where Ernest went in 1990
 43. Lead character in *Boyz n the Hood*
 44. Actress Williams

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2015 CHEVROLET SILVERADO 2500 HD, LT leather, loaded, Pst pd. \$56,995. Greenlight Truck & Auto 306-934-1455 Saskatoon. www.GreenlightAuto.ca DL#311430

2014 DODGE RAM 1500 SPORT, fully loaded, low kms, leather, NAV, \$39,995, or \$299. Bi/Wkly. Call 306-525-6700, Auto Gallery Subaru, Regina, SK. DL#917632.

2013 DODGE RAM 3500 Laramie, fully loaded, tow pkg, low kms, \$51,995, or \$375. Bi/Wkly. Call 306-525-6700, Auto Gallery Subaru, Regina, SK. DL#917632.

2012 FORD F150 XL, regular cab, blue, flex fuel, 2WD, 3.5L, AC, AM/FM radio, 22,000 kms, \$15,000. 306-788-2053, Marquis, SK.



2001 F350 LARIAT dually, 4x4, 7.3L, dsl., 205,000 kms, susp. air bags, ball hitch, 905 aux fuel tank, reg service, immaculate, \$15,000. 306-372-4616, Luselund, SK.

FOUR WHEEL DRIVE 1670

2006 RAM 5.9, Cummins 3500, Quad Cab SLT, \$13,999. Call 1-800-667-4414. www.thoens.com DL #909250.

2008 DODGE 3500 Mega Cab dually, Cummins, Resistal pkg., 160,000 kms, new AC, tires, DPF delete, excellent cond. Call 306-861-7488, 306-842-5891 Weyburn SK.

2008 GMC DURAMAX 2500 SLT, DPF Delete, leather interior like new, 270,000 kms., high miler but runs good, \$13,000. 306-861-7488, 306-842-5891 Weyburn SK.

2010 GMC 3500 diesel 4WD, 214,000 kms, c/w Trailtech deck and 5th wheel hitch, \$17,500 OBO. 306-861-1280, Weyburn, SK.

2015 FORD F-350 FX4 diesel Dually, spray-in liner, \$58,995. Greenlight Truck & Auto. 306-934-1455, Saskatoon, SK. www.GreenlightAuto.ca DL#311430

2015 GMC SIERRA 1500, SLE 4x4, 5.3L, like new, loaded, \$41,995. Greenlight Truck & Auto, 306-934-1455, Saskatoon, SK. www.GreenlightAuto.ca DL#311430

2015 JEEP GRAND CHEROKEE, Limited, 4 door, 4x4, \$43,995. Greenlight Truck & Auto, 306-934-1455, www.GreenlightAuto.ca Saskatoon, SK. DL #311430

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2007 MACK and 2006 FREIGHTLINER w/3 pedal Eaton AutoShifts; **2007 IHC 9200,** 18 spd. All trucks w/new grain boxes and fresh SK. Safeties. 306-270-6399, Saskatoon, SK. www.78trucksales.com

ALL ALUMINUM TANDEMS, tridems and Super B Timpet grain trailers. Call Maxim Truck & Trailer, 1-888-986-2946 or see www.Maximinc.com

GRAIN TRUCKS 1675



1998 IHC 8100, 300 HP 10 spd. manual, 300 miles, air ride, AC, new CIM BH&T, fresh safety, \$52,900. Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.



2005 INT. 9400i, c/w new Berg's 20' grain box, 715,700 kms w/brand new tires. Box is equipped w/scissor hoist, Michel's tarp. \$59,000 OBO. 204-325-5677, Winkler, MB.

2007 IH 9400, w/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 CH613,** 460 Mack eng., 13 spd., AutoShift, alum. wheels, new tires, A/T/C, new paint, 20' BH&T, very nice, \$67,500; **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' Cascade 2 hopper grain trailer- nice shape, \$35,000; **2000 Freightliner Century Classic M11** Cummins, 375 HP, Super 10 speed, exc. tires, 20' BH&T, alum. wheels, \$47,500; **2007 IH 9400,** 430 HP Cummins, new 20' BH&T, new paint, good tires, alum. wheels and tanks, 10 speed AutoShift, \$67,500. Trades accepted. Call Merv 306-276-7518, 306-767-2616, Arborfield, SK. DL#906768

ALLISON AUTOMOTICS: 2004 IHC 4400, C&C, DT466, 6 speed, \$39,900. K&L Equipment, 306-795-7779, Ituna, SK. Email: ladimer@sasktel.net DL #910885.

ATTENTION FARMERS: End of year clear-out prices on tandem, automatics and standbys. Call Yellowhead Sales, 306-783-2899, Yorkton, SK.

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



BERG'S GRAIN BODIES: Custom grain, silage and gravel bodies. Berg's Prep & Paint. Call 204-325-5677, Winkler, MB.

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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

MECHANICS SPECIAL: 2006 IHC 4400, DT 466 tandem, Allison auto, C&C, low mileage, runs and drives, but needs engine work, will take a 20' box. Was \$44,900, now reduced \$29,900. K&L Equipment, 306-795-7779, Ituna, SK. DL #910885. Email: ladimer@sasktel.net

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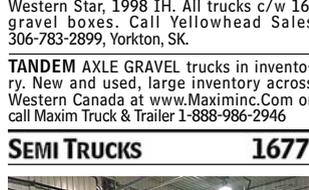
GRAVEL TRUCKS 1676

2007 INTERNATIONAL 9200i Eagle gravel truck, 242,000 kms, 410 HP Cummins, 18 spd., air ride, 16" Renn box, roll tarp, fresh SK. inspection, \$54,800. 1-800-667-4515. www.combineworld.com

2008 MACK, 261,000 kms, 10 spd., 2002 Western Star, 1998 IH. All trucks c/w 16' gravel boxes. Call Yellowhead Sales 306-783-2899, Yorkton, SK.

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SEMI TRUCKS 1677



1995 IHC 9200 Daycab, M11 Cummins, 9 spd., near new rubber, 450,000 kms, 7000 hrs., fresh SK. safety, vg, \$19,900. Cam-Don Motors Ltd. 306-237-4212, Perdue, SK.

2005 STERLING DAYCAB, 800,000 kms, 13 spd., wet kit, asking \$22,000. Contact Steve 780-674-8080, Cherrhill, AB.

SEMI TRUCKS 1677

2007 FREIGHTLINER DETROIT 525-60 Series, 18 spd., 4-way locks, CL120 Columbia auto. greasing system, low kms, recent SK. safety, \$33,500; **2009 Wilson tandem grain trailer,** 40', \$31,500. **Can sell as unit,** \$61,500. 587-284-3378, Kayville, SK.

2008 FREIGHTLINER COLUMBIA daycab, Detroit S-60, 475 HP Jake brake, 18 spd, 12&40 axles, air ride, AC, 4 way lockers, 90% tires 11R22.5, pintle hitch, 475,000 kms. 2 units in Calgary, 1 unit in Saskatoon. Tim 403-264-7400, 403-200-1209, Calgary, AB. tim.mckechnie@docktorgroup.com DL#1036714.



2008 T800 KENWORTH, 550 Cat, 18 spd, trans, 12,000 front, 46,000 rear, 700,000 kms, exc. cond. 306-921-7583, Melfort, SK

2009 INT. PROSTAR TA tractor, 340,000 kms, daycab, 485 HP Cummins, 8 spd, air ride, wet kit, alum. budds, \$49,900. 1-800-667-4515. www.combineworld.com

2012 INTERNATIONAL PROSTAR truck tractor, 295,152 kms, MaxForce 430 HP engine, Eaton 13 spd., 40,000 lb. rears, 12,000 lb. front, fresh SK safety, \$59,800. 1-800-667-4515. www.combineworld.com

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DISMANTLING FOR PARTS 2007 IHC 9900I w/cab damage, 475 ISX rebuilt engine, GR delete, 18 spd. Sexsmith Used Farm Parts, 1-800-340-1192, Sexsmith, AB.

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T800 KENWORTHS, 2010, 2008, 2007, heavy specs; 2013 IH 5900I, 42" bunk, 46 diff, 4-way lock, 18 spd., 390,000 kms, warranty; 2009 Western Star, rebuilt Detroit engine, 18 spd., 46's, 4-way lock; 2006 378 Pete, Cat 18 spd., 46 diff, 4-way locks w/roo-bar bumper; 2007 IH 9200 daycab, ISX 435, 13 spd; 2007 IH 9400, 475, 18 spd., 46 diff; 2004 IH 8600, S/A, daycab, Cat C10, 10 spd; 1996 T800 UK, 475 Cat, 13 spd. Ron Brown Imp. Delisle, 306-493-9393 www.rbisk.ca DL#905231

2006 STERLING TRI-DRIVE spreader truck w/2007 roto-mix spreader box, 444,340 kms, 4536 hrs, floater tires. Auto. powered by Cat eng. Well maintained, looked after. Used to spread manure and wood chips, \$90,000. Jeff 403-371-6362, Brant, AB.

2008 F350 FEED/BALE truck (2013 CBI Hydra-Dec), 5.4L gas, auto, 176,000 kms, \$25,000 OBO. 780-709-4090, Vermilion, AB.

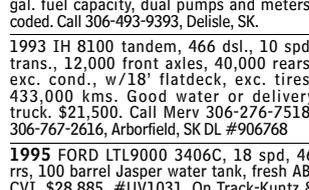
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1993 IH 8100 tandem, 466 dsl., 10 spd. trans., 12,000 front axles, 40,000 rears, exc. cond., w/18' flatdeck, exc. tires, 433,000 kms. Good water or delivery truck. \$21,500. Call Merv 306-276-7518, 306-767-2616, Arborfield, SK. DL #906768

1995 FORD LTL9000 3406C, 18 spd, 46 hrs, 100 barrel Jasper water tank, fish AB. CVI, \$28,885, #UV1031. On Track-Kuntz & Co Inc. 780-672-6868 www.ontrackinc.net



1998 INTERNATIONAL Model 4700, auto, manual brakes, 20' deck, 11-22.5 tires, DT 466E engine. 306-242-6159, Warman, SK.

LOOK AT THIS! an excellent find, only 76,000 orig. kms. 1982 L8000 Ford, 3208 Cat dsl, 5&2 trans., 14' flatdeck, new paint, exc. tires. All around exc. truck. Make a great water or delivery truck, etc. \$11,500. Call Merv 306-276-7518, 306-767-2616, Arborfield, SK DL #906768

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2011 MERCEDES BENZ GLK AWD, heated seats, low kms, fully loaded, \$31,995 or \$247. Bi/Wkly. Call 306-525-6700, Auto Gallery Subaru, Regina, SK. DL#917632.

2012 FORD ESCAPE, fully loaded, leather, heated seats, low kms, PST paid, \$19,478, or \$147. Bi/Wkly. Call 306-525-6700, Auto Gallery Subaru, Regina, SK. DL#917632.

2012 GMC ACADIA, 7 passenger, AWD, loaded, PST paid, must see, \$29,733 or \$227. Bi/Wkly. Call 306-525-6700, Auto Gallery Subaru, Regina, SK. DL#917632.

2012 GMC TERRAIN SLE-2 GFX, backup camera 2.4L I-4, 6 spd auto, 72,730, STK# SK-S3367A, \$22

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2008 JD 270D LC hyd. excavator, Q/C, 2 buckets, hyd. thumb, AC, forestry package, catwalks, pro-heat, positive air shut-off, 8240 hrs. 587-991-6605, Edmonton, AB.

CAT HYDRAULIC PULL SCRAPERS: 463, 435, 80 and 70, all very good cond., new conversion. Also new and used scraper tires. Can deliver. 204-793-0098, Stony Mountain, MB.

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

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

2009 BWS 48' EZE 2 load dropdeck trailer w/5' air controlled loading ramp, 9-1/2" wide deck, triple axle dual wheels, good condition, \$40,000 OBO. 780-482-5273, Edmonton, AB. group.6@outlook.com www.nilssonlivestock.com

6- EXCAVATOR BUCKETS, trenching and clean-out; also, 6- rippers for excavators, some Cats, some WBMs. 204-871-0925, MacGregor, MB.

VARIOUS HEAVY EQUIPMENT. 1998 D6R LGR bush equipped, hyd. angle dozer, 80% UC, good cond., \$70,000; 2000 D6R LGR bush equipped, hyd. angle dozer, 90% UC, good cond., \$75,000; 2001 D6R XL 26" pad, D-dozer tilt, 90% UC, ready to go, \$75,000; Komatsu D21A crawler tractor, good shape, \$10,000; EX220 LC3 excavator, hyd., completely redone thumb, good shape, \$35,000; 1998 TA trombone stepdeck, good cond., safetied, \$12,000; Cat 80 scraper hyd., exc. condition, \$29,000. Keith 204-447-0196, 204-447-2496, Ste Rose MB

EXCELLENT SELECTION Used skidsteers, track loaders, forklifts, zoom booms, mini excavators. Visit website www.glenmor.cc for details, specs and prices. Glenmor, phone 1-888-708-3739, Prince Albert, SK.

1978 CAT D6D LGR crawler, \$39,500; 2007 JD 850J LGR crawler with ripper, \$95,000; 2005 JD 650J LGR crawler with winch, \$55,000; 2003 JD 750C LGR crawler with winch, \$66,000; 1976 Cat 140G grader, front scarifier, \$36,000; 1981 Champion 740A grader, snow wing, \$24,500; 1979 Cat 941B crawler loader, \$18,500; 1976 25 ton 3 axle lowbed, beavertail, \$24,500. Text, ph. or email anytime. Robert Harris Equipment, 204-642-9959, 204-470-5493, Gimli, MB. rjharris@equipment@gmail.com

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SKID STEER SNOW BUCKETS, new 90" and 96" buckets made with grade 50 high tensile steel, 1/2"x6" cutting edge, back is 27" high and 36" deep, \$1500 and \$1600. Call Brian 306-331-7443, Dysart, SK.



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CAT 143H AWD motor grader; Cat 627E motor scraper. Call 204-867-7074, Sandy Lake, MB.

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3' SYMONS CONE crusher, tandem axle carrier, good condition, \$140,000. 306-621-2628, Jedburgh, SK.

2003 D-6-R XW Series II w/one BB1 ripper, 28" pads, AC in cab, diff. steering, \$80,000; 2000 D-6-R LGR cab and AC, canopy, diff. steering, winch, A-frame 16'8", very clean machine, \$85,000; 2007 D6N LGR crawler, c/w 6-way blade dozer; AC, cab and canopy, diff. steering, one BB1 MS ripper, 8626 hrs., extremely clean, UC is like new, \$96,000; 2004 D6N LGR crawler, c/w 6-way dozer, AC cab, diff. steering, Allied W6G winch, 10,600 hrs., \$84,000. 2008 Cat D6N LGR crawler, 6-way dozer; AC and cab, bush canopy, diff steering w/ cargo winch, \$110,000. 204-871-0925, MacGregor, MB.

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1968 FRUEHAUF LOWBOY, 18' working deck, \$7000 OBO. 780-636-2443, Vilna, AB.

1988 JD 644E wheel loader, 23.5x25 tires, 4 cu. yard general purpose bucket with teeth, \$38,000. 204-795-9192, Plum Coulee, MB.



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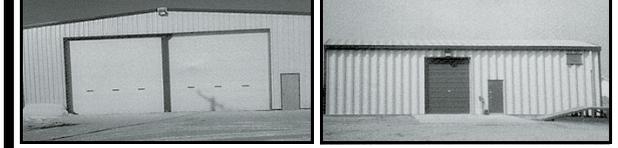
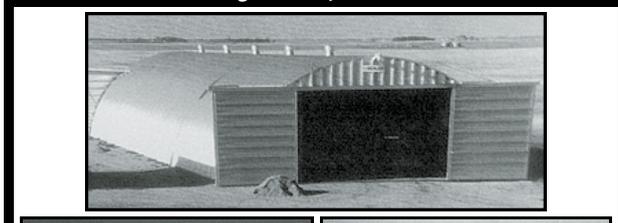
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BRANDT 4000, \$8000; #4500, \$8500; Rem 2500 HD, \$9500. 1-866-938-8537. www.zettlerfarmequipment.com

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2009 REM 2700, less than 60 hours, shedded, excellent, \$17,900. Call Dave 306-424-7511, Montmartre, SK.

GRAIN VACUUMS 4133

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SWATHERS 4145

2003 MACDON/WESTWARD 25' 972 swather, exc. cond., c/w double swath option, 799 header hrs., 997 (Cummins) engine hrs., \$57,500. 306-981-5489.

2013 JD 450 swather, 30' header, 371 hrs. on swather, 471 hours on motor, \$105,000 OBO. 780-888-1258, Lougheed, AB.

2014 MACDON M155, 40' double knife drive, GPS, free form roller, 132 cutting hrs, \$145,000. 306-436-7727 Milestone SK

2012 WESTWARD M155, D50 header, 30', big rubber, 370 header hrs., 466 eng. hrs., c/w mounted swath roller, vg cond., \$115,000. 306-595-4877, Norquay, SK.

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

2011 MACDON M-150, 40' D60, 300 hrs., shedded, very good, \$122,900. Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

2003 MACDON 9352, c/w 25' 972 DSA, new canvas, vg, 1200 cutting hrs, \$49,000. Cam-Don Motors 306-237-4212 Perdue SK

COMBINES

CASE/IH 4160

2011 CASE 9120. Duals, Pro 600 monitor, 1040 hrs. Plus 3016 PU, \$285,000. Canada West Harvest Centre, 844-806-2300, Emerald Park, SK.

2008 CASE AFX 8010. Duals, GPS, AFS 600 Monitor, 1568 hrs., field ready, \$210,000. Canada West Harvest Centre, 1-844-806-2300, Emerald Park, SK.

2010 CASE/IH 9120, 950 rotor hrs., small tube rotor, fine cut chopper, Pro 600, 2016 pickup, vg cond., \$215,000. 306-530-5999, Odessa, SK. jasonmuch@hotmail.com

2006 2388, 700 threshing hrs., 900 eng., Redlight service the past 3 years, mint condition, shedded, \$128,000. 780-554-3572, Sherwood Park, AB.

MASSEY FERGUSON 9790 combine with Swathmaster pickup. Agco straight cut header. Canada West Harvest Centre, 1-844-806-2300, Emerald Park, SK.

2014 CASE 8230 combine. Duals, 16' pickup, 488.23 Sep. hours. Plus 2012 MacDon header, 40'. Canada West Harvest Centre. Phone: 1-844-806-2300, Emerald Park, SK.

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CASE/IH 4160

2011 CASE 7120, duals, GPS, yield monitor, 985 hrs., great condition, \$199,000. Canada West Harvest Centre, 844-806-2300, Emerald Park, SK.

2014 CASE 8230 combine. Duals, 16' pickup, 488.43 Separator hours. Canada West Harvest Centre. Phone: 1-844-806-2300, Emerald Park, SK.

2000 CASE/IH 2388, 280 HP, 3500 hrs, ASX rotor, HHC, chopper, rock trap, long auger, grain loss monitor, 1015 PU, \$29,500. Call 306-861-4592, Fillmore, SK.

2014 CASE 8230 combine. Duals, 16' pickup, 500 Sep. hours. Plus 2012 MacDon header, 40'. Canada West Harvest Centre, 1-844-806-2300, Emerald Park, SK.

2013 LEXION 760TT, (CLAAS) 4 WD, 253 Separator hours. Canada West Harvest Centre. Phone: 1-844-806-2300, Emerald Park, SK.

2009 CASE/IH 7120, 900 tires, 2016 PU header, field ready, \$200,000; 2013 FD75 MacDon 30' flex header with pea auger, \$85,000. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

GOOD USED

1996 CASE 2188, AFX rotor, 3185/4263 hrs., many new parts, c/w Case/IH 1015, 13', 7 belt PU, \$27,400; Ford/NH 94C 36' draper, PU reels, cross auger, \$16,800. 306-661-8988, Maple Creek, SK.

2007 CASE AFX 8010 duals, GPS, AHH, AFS, 600 monitor, 1707 hours, field ready, \$195,000. Canada West Harvest Centre, 1-844-806-2300, Emerald Park, SK.

2014 CASE 8230 combine. Duals, 16' pickup, 490 Sep. hours. Plus 2012 MacDon header, 40'. Canada West Harvest Centre, 1-844-806-2300, Emerald Park, SK.

FORD/NH 4172

2009 NH CR9070 1287 hrs, IntelliView Plus II, RWA, \$129,800; 2009 NH CR9060 1298 hrs, IntelliView Plus II, lateral tilt, \$89,800. www.combineworld.com Call 1-800-667-4515.

1999 TX68, SWATHMASTER PU, 2700 hrs., \$24,500; 1997 TX68, 2500 hrs., \$26,500. Nate Golas 204-372-6056 FisherBranch MB

JOHN DEERE 4178

JD 7720 TITAN II, 3884 hrs., newer Rupp bars, Concave, feeder chain, dual range cyl., chaff spreader, chopper, 212 PU, exc. shape, tires good, \$13,000 OBO. Earl Grey, SK. 306-939-4403 or 306-726-7516.

2004 JD 9760 STS 1340 sep hrs., precision PU, hopper topper, Y&M, HHC, singles, Michel's crop saver, TouchSet, Greenlight-ed yearly, new concaves, elements, chopper blades, \$15,000 in 2015, very reliable, \$120,000. 780-336-4808, Two Hills, AB.

2013 JD 615P pickup header, overall 8.5/10, trades wanted, \$24,800. 1-800-667-4515. www.combineworld.com

2005 JD 9760 STS GreenStar, reel spd, Auto HHC, chopper, 2317 hrs, extra for PU, \$89,800. www.combineworld.com Call 1-800-667-4515.

Take a Look

1990 JD 9501 PT combine, recent rub bars, rock trap, straw chopper, 914 6 belt PU, \$7800. 306-661-8988, Maple Creek SK

MASSEY FERGUSON 4181

2006 MF 9690 954 sep. hrs., Y&M, exc. tires, field ready, extra for PU, \$89,800. 1-800-667-4515. www.combineworld.com

COMBINE ACCESSORIES

COMBINE HEADERS 4199

2014 MD D65-D unused, 40', factory transport, auto HHC, hydraulic tilt, JD, CNH, Lexion completion, \$74,800. 1-800-667-4515. www.combineworld.com

AGCO MF CAT flex platforms: In stock Models 500 Gleaner 25' and 30'; Model 8000 30' and 8200 35' MF; Cat FD30 flex; FD40 flex. Reconditioned, ready to go. Delivery in SK, MB, AB. Gary: 204-326-7000, Reimer Farm Equip, Hwy. #12 N., Steinbach, MB. www.reimerfarmequipment.com

CIH FLEX PLATFORMS: Models 1020 25' and 30' w/wo sir reel; 2020 30' and 35'; 2020 30' w/air reel; 2011 3020 35'. Can install new AWS air bar for additional \$11,500. Deliver in SK, MB, AB. Gary 204-326-7000, Reimer Farm Equip., Hwy. #12 N., www.reimerfarmequipment.com Steinbach, MB.

2012 MD FD70 40', flex draper, pea auger, transport, HHC, new knife and guards, w/warranty, \$69,800. 1-800-667-4515. www.combineworld.com

2000 JD 14' PICKUP header, 914P w/Victory Super B pickup and single point hook-up, used only 500 acres, stored inside, \$12,000 U.S. OBO. Home: 406-487-5043, cel: 406-783-7332 Scobey, MT

NH FLEX PLATFORMS: In stock Models 973 both 25'-30'; 74C 30' w/air reel; 88C 36' flex draper; 94C 25' rigid draper w/trailer. Deliver in SK, MB, AB. Gary 204-326-7000, Reimer Farm Equip., Hwy. #12 N., www.reimerfarmequipment.com Steinbach, MB.

2020 CASE/IH FLEX header 2010 35', fore/aft, double knife, fits 10, 20, 30 series, \$18,000. 306-530-5999, Odessa, SK. jasonmuch@hotmail.com

JD FLEX PLATFORMS: 922-925-930, several newer ones with full finger augers and air reels; 630-635 w/wo air bars. Deliver in SK, MB, AB. Gary 204-326-7000, Reimer Farm Equip., Hwy. #12 N., Steinbach, MB. www.reimerfarmequipment.com

DEMONSTRATOR 2015 MACDON FD-75 40', cross auger, 10 hrs., MF AgCo adapter. Cam-Don Motors 306-237-4212 Perdue SK

MACDON 40' FD70 header, good cond., with AFX, or JD adapter, \$44,900. Call 204-324-6298, Altona, MB.

MACDON CA20/CA25 and Honeybee flex or rigid adapters and completion kits, plenty in stock, we want your trade! For pricing and availability call 1-800-667-4515. www.combineworld.com

COMBINE HEADERS 4199

2011 MACDON FD70 40' flex draper, pea auger, HHC, new knife and transport, JD adapter, \$68,000. 306-460-6548, 306-460-7358, Kindersley, SK.

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

2001 NH 94C 36' rigid UII PU, single point HU fits 9770 JD, dual reel F/A drives, pea auger, teflon skid plates, stored inside, \$24,000 OBO. 306-460-7887 Kindersley SK

2011 IH 3016 PU and header, all updates done, belts, auger and floor, all exc., under 3500 hours use, \$24,850. 1-800-667-4515. www.combineworld.com

COMBINE PICKUPS 4202

2011 JD 615P pickup header, AutoHeight, \$19,000. 306-460-6548, 306-460-7358, Kindersley, SK.

Misc. ACCESSORIES 4205

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WANTED: ROTARY rockpicker for skid-steer. Call 306-377-4754, 306-831-7952, Herschel, SK.



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SNOWBLOWERS/ SNOWPLOWS 4226

1993 INLAND DA92, 92", 3 PTH snowblower, \$1900. Call Nelson Motors & Equipment, 1-888-508-4406 or website: www.nelsonmotors.com

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2005 SCHULTE 9600, 96", 3 PTH snowblower, \$4900. Call Nelson Motors & Equipment, 1-888-508-4406 or website: www.nelsonmotors.com

2012 SNOWBLAST Model #10800A, 3 PTH snow blower, vg cond., all options. 12' (+) wide enough to cover the duals on your tractor, green/yellow, \$2500 OBO. Pierson, MB. 701-389-1042, or 204-649-2276.

FARM KING SNOWBLOWERS Y960, rear mount 96", dbl auger, \$4795. Flaman Saskatoon. 1-888-435-2626 www.flaman.com

SILAGE EQUIPMENT 4229

2008 JD 3975 c/w PU header, kernel processor, 40" vert ext. Just through shop in excellent shape w/new knives and shear bar! \$26,400. Call Jordan 403-627-9300, Pincher Creek, AB.

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SPRAYING EQUIPMENT

PT SPRAYERS 4238

2000 FLEXI-COIL 67XL PT sprayer, 1250 gallon tank, 100' boom, hyd. pump. Call 306-873-8060, Prairie River, SK.

2006 NEW HOLLAND SF115, 90' suspended boom, Raven AutoBoom, double nozzle, auratorate, 1250 gal. tank, hydraulic pump, \$27,000. 403-379-2423, Buffalo, AB.

SP SPRAYERS 4241

2005 7650 SPRA-COUPÉ, 885 hrs, 80', rinse tank, 3 way nozzles, new rear tires, new batteries, always shedded, exc. cond., \$76,000 OBO. 306-831-9649, Elrose, SK.



2009 1284 AG-CHEM, 1000 gal. tank, 110' booms, 2860 hrs., \$94,500; 2012 Case 4420, 100' booms, 1600 hrs., \$158,000. USD. 406-466-5356, Choteau, Montana. View: www.fertilizerequipment.net

2012 JD 4940, 380/105R50 wheels, educator, 5 sensor JD boom height, high flow pump, hyd. tread adjust, full GPS - 2630, 3000 receiver, SF1, section control, \$260,000. 780-787-2408, Mannville, AB.

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2011 APACHE AS720, loaded, 102' booms, 412 hrs., asking \$139,000. Phone 306-595-4877, Norquay, SK.

2010 CASE/IH 3330, AFS Pro 600 display, 1000 gal. SS, AccuBoom, AutoHeight, fence row nozzles, 380/90R46, 1080 hrs. always shedded, very good condition. Call 204-734-8202, Swan River, MB.

2008 JD 4830, 100' 1000 gal. SS tank, Raven AutoBoom, Swathmaster, GreenStar, AutoTrac, 420/80R46, 1471 hrs, \$185,000 OBO 306-834-7204 Kerrobert SK

2007 SPRA-COUPÉ 4655, 80', 1080 hrs., JD AutoTrac, sectional control, \$64,800. 1-800-667-4515. www.combineworld.com

2007 SPRA-COUPÉ 7650, 1407 hrs, 90' booms, loaded Envisio Pro, Smart Trax, AutoBoom, AccuBoom, end nozzles, \$89,500. 306-961-8504, Paddockwood, SK

2008 MILLER CONDOR A40 100', 1728 hrs, 1000 gallon, sectional control, Trimble GPS and EZ-Steer, \$99,900. 1-800-667-4515. www.combineworld.com

SP SPRAYERS 4241



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TILLAGE/SEEDING

AIR DRILLS 4250

SEEDMASTER 7012-CT-TXB, 70", 12", lift kit, Dual 380/55R16.5 front and rear casters, \$210,000. Call Russell, MB. at: 204-773-2149, or www.maplefarm.com

1999 CONCORD air drill, 40", 12" space, 5 plex, disc levelers, 2300 tank, many new parts. Offers. 306-862-8858, Codette, SK.

2006 SEEDMASTER 5012 50", 12" spacing, w/210 bu. on-board tank, 2200 gal. liquid tank c/w John Blue pump, exc. condition, field ready with warranty, \$74,800. 1-800-667-4515. www.combineworld.com

2008 BG 6450 DS, 540 front tire, dual rears, 3 tank metering, cab rate adjust 591 monitor, \$87,800. Call Moosomin, SK. 306-435-3301, or www.maplefarm.com

2005 BG 6450 double shoot, 540 front tire, dual rear tire, 3 tank metering, 592 monitor, \$77,300. Call Foam Lake, SK. at: 306-272-3345, or www.maplefarm.com

2009 NH/FLEXI-COIL 5000, P2050 drill/P1050 cart, 3" paired row, 10" spacing, 3.5" rubber packers, dbl. shoot, blockage, 380 bushel, manual rate, 10" auger, shedded, 16,518 acres total. Pics online. Call, text or email. \$132,500. 780-814-8397, DeBolt, AB. abfarmdawg@gmail.com

2011 BOURGAULT 3310, 74", 12" space, X20 monitor, 550 bu. tank, duals, 2 fans, 1 hi-capacity fan, MRS, w/wo NH3 Capstan kit, Atom Jet boots, sectional control. Call 204-748-8156, Elkhorn, MB.

2001 FLEXI-COIL 3450 TBH, double fan, 10" auger, variable rate, new bottom manifold, 4 new meter rollers, \$25,000 OBO. 306-861-4592, Fillmore, SK.

2010 NEW HOLLAND Flexi-Coil air drill, 51", P2050 tool, 430 bu. P1060 air tank, SS 4" paired row Stealth w/NH3, 5" rubber packers, 9.8" spacing, 17,677 acres, \$90,000. 403-485-8422, Milo, AB.

2003 BOURGAULT 5710, 9.8" spacing, metal packers, MRB's set up for liquid, liquid kit included, 1 season on new MRB discs, 1" Bourgault tips, \$32,000. Call 306-247-2099, 306-843-7337, Scott, SK.

2010 65' BOURGAULT 3310 paralink, 12" spacing, mid row shank banding, DS, rear hitch, \$148,000. A.E. Chicoine Farm Equipment Ltd. 306-449-2255, Storthoaks, SK.

2006 EZEE-ON 7550 air drill, 10" spacing, 5" rubber capped packers, 4" carbide tip openers with 3115 tank (2005), asking \$49,500. 306-452-7004, Parkman, SK.

2004 CASE ADX 2230 air cart, var. rate, air seeder hopper, great shape, always shedded. Also, looking for Case or F/NH 430 bu. air cart w/var. rate in good cond. Phone: 306-460-7609, Kindersley, SK.

2014 SEEDMASTER SXX340 w/780 Nova, 15" spacing, DS, 100' Pattison liquid, tracks, conveyor, \$608,800. Moosomin, SK. 306-435-3301, www.maplefarm.com

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2007 BOURGAULT 5725 47", 10" spacing, Series II w/DS, optimal mid row banders, Raven NH3, excellent condition, field ready with warranty, \$54,900. 1-800-667-4515. www.combineworld.com

1993 FLEXI-COIL 5000 39" air drill, 2320 air tank, 9" spacing, John Blue meter and anhydrous kit, Atom Jet sideband openers w/NH3, fine and coarse rollers, cameras in tanks, low profile hopper, all hoses replaced within last 2 years, \$21,000 OBO. 306-658-4240, 306-843-7549, Wilkie, SK.

2013 MORRIS 51", C2, 12" space, SS air, paired row openers, c/w 8370XL TBH cart, low acres, vg, \$249,000. Warranty. Cam-Don Motors Ltd, 306-237-4212, Perdue, SK

BOURGAULT 5710 64", 9.8" space, steel packers, MRB'S, 2005 Bourgault 6350 air cart, DS, in-cab controls. Will separate. Best offer. 306-277-4503, Gronlid, SK.

2008 40' SEED HAWK, 12" spacing, with 2320 Flexi-Coil TBH cart, \$85,000. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

2001 BOURGAULT 4710 40' disc drill, 10" spacing, mid-row banders, 3" steel packers, liquid fert., \$15,800. 1-800-667-4515. www.combineworld.com

2008 JD 1910 430 bu., TBH, 8 run, variate, DS, \$49,000; 1998 JD 1900 3 comp, 430 bu., 8 run, \$24,800. 1-800-667-4515. www.combineworld.com

2012 SEED HAWK Series 45, 50-10 w/500 bu. TBH tank, quick adjust depth control, dual casters, new seed knives, liq. Alpine kit, var. rate w/Viper monitor and Raven GPS, dual fans, shedded. Dave at: 306-783-7584, 306-621-1155 Yorkton, SK.

AIR DRILLS 4250

2008 SEED HAWK 40", 10" sp. quick pin, dual castors, c/w 400 bu. cart, dry fert. only 12,000 acres, entire unit always shedded, \$129,000. 306-595-4877, Norquay SK

1999 FLEXI-COIL 585 70' heavy harrow teeth - 50%, good usable harrow, \$19,900. 1-800-667-4515. www.combineworld.com

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2000 JD 1850, 43", 10" spacing, w/wo 787 JD TBH tank, excellent condition. 306-863-9459, Fillmore, SK.

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SEEDMASTER 5012-CT-TXB, 50", 12", lift kit, Dual 380/55R16.5 front and rear main casters, \$155,000. Call Yorkton, SK. at: 306-783-9459, or www.maplefarm.com

2001 51' FLEXI-COIL 5000, 9" space, DS, 3" rubber, 3450 TBH carts, double fan, 10" auger, var. rate, new bottom manifold, 4 new meter rollers, \$35,000 OBO. Can separate. 306-861-4592, Fillmore, SK.

2009 FLEXI-COIL 5000 HD 40" w/3350 TBH CART, 10" spacing, 5" rubber packer, variable rate, double shoot, cart shedded. Call 403-556-7257, Olds, AB.

2005 FLEXI-COIL 4350 TBH AIR CART, DS, variable rate, good shape, asking \$40,000 OBO. 780-385-5064, Killam, AB.

AIR SEEDERS 4253

SOUCY TRACKS: 32" wide, made to fit SeedHawk air cart, purchased in 2013, \$22,000 OBO. Pics avail. by emailing request to albcenreprise@hotmail.com or for more info 780-837-1313, Falher, AB.

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BOURGAULT: 2011 6550, \$106,000; 2009 6550, \$92,000; 2003 5440, \$52,000. Trades? Delivery available. 306-563-8482.

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USED 2008 JOHN DEERE 1895 Air Seeder w/1910 Cart, 43", 10" spacing, 430 bu. TBH, double shoot, warning system for seed and fertilizer, \$125,000 CAD; Used 2003 JD 1895 w/1910 cart 43", 10" spacing, TBH, DS, 430 bu., warning system for seed and fert., \$100,000. 403-625-6195, 403-625-2541, Claresholm, AB. paul@romfarm.com

HARROWS/PACKERS 4256

BOURGAULT 6000 MID HARROW 70", done less than 1500 acres, like new, \$30,000 firm. 306-595-4877, Norquay, SK.

FLEXI-COIL SYSTEM 95 harrow packer, 60" tines recently replaced, P20 packers. 306-382-0764, Saskatoon, SK.

HARROWS/PACKERS 4256



WINTER DISCOUNTS on new and used rollers, all sizes. Leasing and delivery available. 403-580-6889, Bow Island, AB.

SEEDING VARIOUS 4259

CUSTOM CARBIDE AND REPAIRS. Don't wait until next year! Find out more at www.vvmfg.com or call 403-528-3350, Dunmore, AB.

DON'T DELAY UNTIL it's too late! Order your carbide drill points/air drill openers. For more information www.vvmfg.com or call 403-528-3350, Dunmore, AB.

TILLAGE EQUIPMENT 4262

2012 LEMKEN RUBIN Gigant 105/800 26' tillage disc, very good condition, \$64,800. 1-800-667-4515. www.combineworld.com

2015 DEMONSTRATOR: KIRCHNER 7 shank subsoiler, 34" shanks, Fall clearance pricing. Cam-Don Motors, 306-237-4212, Perdue, SK.

KELLO-BILT SERIES 176 10' tandem disc, 24" notched blades, clean unit, some new bearings, faded but solid, \$7,980. 1-800-667-4515. www.combineworld.com

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

WANTED: FLEXI-COIL SYSTEM 75 62' coil packers. 701-897-0099, Roseglen, North Dakota.

2013 HORSCH ANDERSON Joker 37RT, 37' Joker, in excellent condition. Purchased new in 2013. Mechanical depth adjustment, \$79,500. 306-981-5489, Prince Albert, SK.



JD 637 DISC, 45'2" wide, 24" blades, exc. condition, like new, \$80,000. Call 306-457-2935 after 6 PM, Stoughton, 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

TILLAGE/SEEDING VARIOUS 4265

CUSTOM CARBIDE AND REPAIRS. Don't wait until next year! Find out more at www.vvmfg.com or call 403-528-3350, Dunmore, AB.

DON'T DELAY UNTIL it's too late! Order your carbide drill points/air drill openers. For more information www.vvmfg.com or call 403-528-3350, Dunmore, AB.

TRACTORS

ALLIS/DEUTZ 4277

DEUTZ ALLIS 7110, 4040 hrs., 110 HP, dual hyd. and PTO, cab, air, 18.4x38, \$16,000. 204-525-4521, Minitonas, MB www.waltersequipment.com

WHITE 4280

1370 WHITE TRACTOR Fiat, 65 HP FWA, 3 PTH, WHITE FEL, grapple, 9' blade, \$8500. Call 204-546-2299, Grand View, MB.

COCKSHUTT 1800 good rubber, runs rough, \$1350 OBO; Cockshutt 1600 not running, \$850; MM Jet Star 5 diesel, not running, \$750. 306-681-7610, Chaplin, SK.

Trade in your old Air Drill Electronics for "The Legend" Wi-fi Rate and Blockage Monitor.



For more information on our product or program go to **www.legendensor.com** or call **1-800-667-0640.** Offer expires December 19, 2015.

THE LEGEND

CASE/IH 4286

2000 CASE/IH 9390, 3400 hrs, 20.8R42 triples, one owner, 24 spd, exc. cond, diff. lock \$99,500. 306-370-8010 Saskatoon SK

1987 IH 9150, 4 WD, 280 HP 520/85R38 Firestone radials- 80%, very good, 8000 hrs., nice solid tractor, \$39,800. 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.

CASE MX135, loader, 6800 hours, \$58,900. Call Nelson Motors & Equipment, 1-888-508-4406, www.nelsonmotors.com

1991 IH 9280 375 HP NEW 24.5x32 duals, powershift, Cummins 855, 4 hyds, 6434 hrs., \$64,800. 1-800-667-4515. www.combineworld.com



JOHN DEERE 4295

2014 JD 7210R, 1091 hrs., 710/70R38, MFWD front axle, JD link, \$232,500. South Country Equipment, 306-354-2411, Mossbank, SK.

2014 JD 6190R, 890 hrs., MFWD, JD Link, 480/70R30, with H380 loader, \$222,700. South Country Equipment, 306-354-2411, Mossbank, SK.

WANTED

ATTENTION FARMERS: Get what your trades are worth! Tired of getting short changed on your used trades? Call us. We have customers looking for your equipment. Our fee is much less than auction or what dealers charge. No up front fees. We take care of it all: ads, calls, transporting, etc. Call now and let's move your equipment. Agents needed. 1-888-277-3919. www.equiplink.com

2012 JD 9560RT, 1443 hrs, 18/6 power-shift, AJ hitch, deluxe, Command View, \$400,200. South Country Equipment, 306-746-2110, Raymore, SK.

(2) 2014 JD 6150R, MFWD, 877 hrs. up, deluxe cab, w/H360 loader, \$181,100 up. South Country Equipment, 306-354-2411, Mossbank, SK.

2003 JD 7320, MFWD, loader, 9750 hours, \$73,500. Nelson Motors & Equipment, 1-888-508-4406, www.nelsonmotors.com

1977 JD 4430 w/IH 2250 loader, pallet forks, bale spear, new rear 18.4x38 tires, good front tires, 250 hrs. since inspected at JD shop, asking \$13,000. Call 306-645-4489, Rocanville, SK.

2012 JD 7230R, MFWD, 2730 hrs., JD link, 710/70R42, with H480 SL loader, \$229,900. South Country Equipment, 306-424-2212, Montmartre, SK.

2011 JD 9630, 980 hours, diff. lock, 520/85R46, deluxe comfort, \$345,100. South Country Equipment, 306-424-2212, Montmartre, SK.

MITCH'S TRACTOR SALES LTD., St. Claude, MB. Call 204-750-2459 (cell). JD 2130, 3 PTH, 3000 orig. hrs; JD 2550, 2 WD, 3 PTH, hi/low shift, 4500 hrs., w/o loader; JD 2750, MFWD, CAH, 3 PTH, 2 hds., w/245 loader; JD 2950, 2 WD, CAH, 3 PTH, 2 hds; (2) JD 4050, MFWD, 3 PTH, PS, w/loaders; (2) JD 4440, quad shifts, duals; JD 4455, MFWD, 15 spd, w/o 3 PTH, w/o loader; JD 4640, quad, 3 hds.; JD 4650, 2 WD, 3 hds., 15 spd. factory duals; JD 4755, MFWD, 3 PTH, 3 hds., 6000 hrs., 15 spd., factory duals; JD 6420, MFWD, 3 PTH, PQ, w/LHR, 2900 hrs, JD 6420, MFWD, 3 PTH, 3 hds., PQ, w/LHR, 640 loader; JD 7410, MFWD, 3 PTH, 3 hds., PQ, w/LHR, w/740 loader; JD 7610, MFWD, 3 PTH, PQ, w/LHR, 740 FEL; JD 7700, MFWD, 3 PTH, PQ, factory duals, 740 FEL, grapple; JD 7810, MFWD, 3 PTH, PQ, w/LHR, factory duals, 740 loader; JD 7810, MFWD, 3 PTH, 3 hds., PQ w/LHR, 5900 hrs. All tractors can be sold with new or used loaders. Now a Husqvarna Dealer, with a full line of Husqvarna equipment. **Mitchtractorsales.com**

2012 JD 9510RT, 36" tracks at 85%, 18 spd., powershift, 2700 hrs., HID lights, 5 hydraulic remotes, with warranty, asking \$279,000. 204-324-6298, Altona, MB.

2014 JD 6140R, 1076 hrs, MFWD, w/2014 JD H360 FEL, 520/85R38, \$168,900. South Country Equipment, 306-354-2411, Mossbank, SK

2012 JD 9560R, triples, PTO, 1585 hrs., \$384,300. Nelson Motors & Equipment, 1-888-508-4406, www.nelsonmotors.com

2007 JD 9420, duals, 2700 hrs., \$206,500. Call Nelson Motors & Equipment, 1-888-508-4406, www.nelsonmotors.com

FOR SALE: 2000 JD 9200, 3440 hrs., 4 hds., 24 spd., rear weights, rubber 65%, shedded, clean, asking \$112,000. 306-726-4626, 306-726-7800, Southey, SK

1997 8100, 2WD, 4315 hrs, new rear bias tires, 3 hds., powershift, 160 HP, 1000 PTO, vg, \$69,900. Call 1-877-862-2387, 1-877-862-2413, www.agriquip.ca

7400 JD MFWD, 3 PTH, c/w 740 loader, all new tires, premium condition. 403-585-1910, Rockyford, AB.

1986 JD 4250, 13,500 hours, with JD 149 loader, rebuilt, vg cond. \$19,000 OBO. Call 403-585-8643, Indus, AB. Dgosing@shaw.ca

JD 310A, utility, loader, 3 PTH, turf tires, \$9,500. Call Nelson Motors & Equipment, 1-888-508-4406, www.nelsonmotors.com

JOHN DEERE 4295

JD 7810 MFWD, E-Range, 3 PTH, mint condition, also 7710 w/IVT trans. Call 780-990-8412, Edmonton, AB.

2007 JD 7520, loader, 8500 hours, \$87,900. Call Nelson Motors & Equipment, 1-888-508-4406, www.nelsonmotors.com

JOHN DEERE 4020, powershift, with 158 loader, recent complete overhaul, \$15,000 OBO. Ph. 306-773-4167, Swift Current, SK.

2009 JD 9530, 1620 hrs., 800 duals, 78 gal/min. hyd., PowerShift, looks like new, \$235,000. 306-233-7305, Cudworth, SK.

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

2013 JD 9460R, 460 HP 346 hrs, JD Link, hi flow hyd system, 710/70R42, HID lights premium cab, \$432,800. South Country Equipment, 306-721-5050, Regina, SK.

2007 JD 7220 MFWD, 4351 hrs., 16 spd. Power quad trans, 3 hds, cruise, cold start pkg, 3 PTH, LHR, c/w JD 741 QA self-leveling FEL w/grapple, 3 function joy stick, w/wo Trimble Autosteer, \$96,500. 306-243-2080, 306-867-7028, MacCrorie

2003 JD 6420 w/640 loader, 5392 hours, MFWD, AC, trans- Infinitely variable, 3 hyd. outlets, \$65,500. South Country Equipment, 306-424-2212, Montmartre SK

1996 JOHN DEERE 8770, 4 WD, 6056 hrs., 300 HP AutoSteer, 520x42 radial tires, vg condition, \$72,000 OBO. 306-848-0088, Weyburn, SK. john_jackie@yourlink.ca

1996 JD 8870, 6600 hrs., w/Deg 6600 14' blade, diff. lock, 710/70R38, \$99,100. South Country Equipment, 306-746-2110, Raymore, SK.

KUBOTA 4298

2008 KUBOTA M125 FWA, loader, bucket grapple fork, 3 PTH, approx. 2050 hrs., vg shape. 204-773-2367, Russell, MB.

MASSEY FERGUSON 4301

1966 MF 150, 2 WD. Rare! Fully restored 4 cyl. gas engine, Row Crop PS. Many extras. Everything works, looks new! exc. cond., \$7995. 306-682-1871, Humboldt, SK.

NEW HOLLAND 4304

2011 NEW HOLLAND TV6070, 4 WD, 1000 hrs., loader grapple, 3 PTH, PTO, exc. cond., \$118,000 OBO. 306-753-7913, Macklin, SK.

2005 NEW HOLLAND TV145, 4500 hrs., 1200 hrs. on rebuilt motor, rear wheel weights, fenders, 3 PTH, 540/1000 PTO, FEL w/grapple, dirt bucket, bale spear, forks, exc. cond., \$60,000. 306-530-6864, Sedley, SK.

1998 NH 9882, 4466 hrs., recent injectors and rebuilt pump, std. trans., 710/70R38 radial duals- 90%, Outback GPS, shedded, \$115,000. 306-463-7020, Flaxcombe, SK.

FORD 4307

FORD 276 BI-DIRECTIONAL, 20 hours on new engine, rebuilt pump, new tires, nice condition, \$28,000. Call 204-625-5225, 204-625-2702, Elphinstone, MB.

VERSATILE 4310

875 VERSATILE, complete with dozer, very well maintained, asking \$26,500 OBO. Call 403-823-1894, Drumheller, AB.

VARIOUS TRACTORS 4319



NEW LS TRACTOR, 4 WD, 97 HP, Iveco dsl., self-leveling loader, 3500 lb. lift, CAHR, 3 spd. PTO, 3 PTH, power shuttle with hi/lo, 5 yr. warranty, \$66,000. The Tractor Company 306-239-2262, Osler, SK.

2013 LS TRACTOR, 4WD, 97 HP w/loader, 800 hours. Call 204-447-3066 after 6, Ste Rose Du Lac, MB.

2009 JD 2320 COMPACT utility tractor, loader, backhoe, 179 hours, \$23,500. Call Nelson Motors & Equipment, 1-888-508-4406, www.nelsonmotors.com

VARIOUS TRACTORS 4319

2006 JD 2305, 573 hours, \$12,500. Contact Nelson Motors & Equipment at 1-888-508-4406, www.nelsonmotors.com

GRATTON COULEE AGRI PARTS LTD. Your #1 place to purchase late model combine and tractor parts. Used, new and rebuilt. www.gcparts.com Toll free 888-327-6767.

LOADERS/DOZERS 4322

DEGELMAN 7900, 16', 6-Way, Case/Steiger 500 mounting, \$35,900. Call Nelson Motors & Equipment, 1-888-508-4406, www.nelsonmotors.com

2010 DEGELMAN 5900, 12', 6-way, JD 7810 quick attach mounts, also fit JD 7000/8000 Series MFWD tractor. Barely used. Original paint. Will fit other MFWD tractors with proper mounts, \$13,500 OBO. 780-656-5808, Waskatenau, AB.

LEON 3530, 14', 6-Way, JD 7200 mounts, \$24,000. Call Nelson Motors & Equipment, 1-888-508-4406, www.nelsonmotors.com

DEGELMAN 12' late model 5700 blade, mounts for JD 7720, \$13,500; Degelman 16' blade, 6-Way, mounts for Steiger Panther KM325. 780-679-7795, Camrose, AB.

HD DEGELMAN 10" blade for 4650-4760, \$3500; 8" Degelman blade, \$2500; Dump wagon (pup) for behind tandem or farm tractor, \$5500. Call Danny Spence, Speers, SK. 306-246-4632.

LEON 2530 12' QA dozer blade, no mounts, fits tractors w/200 HP or less, exc. cond., \$13,500 OBO. 403-533-2240 Rockyford AB

1996 LEON 225A 1000, 14' wide, 42" high, 4-way dozer from Case 9330, good cond. Call 306-947-4644, Langham, SK.

DEGELMAN 12' HD dozer blade, 2-way manual, fits JD 4640. Also should fit 30 and 50 series. 306-625-3871, Ponteix, SK.

WANTED: 158 JD FEL in good condition. Call 306-666-2191, Fox Valley, SK.

LEON 11' DOZER blade with frame, exc. condition, \$2500. Phone 306-233-7305, Cudworth, SK.

MISCELLANEOUS 4325

WANTED: MF #36 DISCERS. Will pay top dollar and pick from anywhere. Phone Mike 306-723-4875, Cupar, SK.

1994 MORRIS 34' air drill, 50' Morris 750 Max cultivator, drill 180 bu. Cultivator 2420 Valmar, \$10,000 each OBO. 306-848-0088, Weyburn, SK. john_jackie@yourlink.ca

WANTED: USED, BURNT, old or ugly tractors. Newer models too! Smith's Tractor Wrecking, 1-888-676-4847.

WANTED: 7' PONY OR hoe drill complete, prefer in working condition. Call 306-384-5415, Saskatoon, SK.

FENCING 4400

SOLIDLOCK AND TREE ISLAND game wire and all accessories for installation. Heights from 26" to 120". Ideal for elk, deer, bison, sheep, swine, cattle, etc. Tom Jensen ph/fax 306-426-2305, Smeaton, SK.

GUARANTEED PRESSURE TREATED fence posts, lumber slabs and rails. Call Lehner Wood Preservers Ltd., ask for Ron 306-763-4232, Prince Albert, SK.

MULCHING- TREES, BRUSH, Stumps. Call today 306-933-2950. Visit us at: www.maverickconstruction.ca

CABLE 5/16" and 3/8" used, .10¢ to .12¢/ft; galv. aircraft cable 1/8", 5/32" and 3/16" Save \$\$. 403-237-8575, Calgary.

FIREWOOD 4475

BLOCKED AND SPLIT seasoned Spruce firewood. Call V&R Sawing, 306-232-5488, Rosthern, SK.

BLOCKED SEASONED JACK Pine firewood and wood chips for sale. Lehner Wood Preservers Ltd., 306-763-4232, Prince Albert, SK. Will deliver. Self-unloading trailer.

GENERATORS 4725

LOWEST PRICES IN CANADA on new, high quality generator systems. Quality diesel generators, Winpower PTO tractor driven alternators, automatic/ manual switch gear, and commercial duty Sommers Powermaster and Sommers/ Winco portable generators and home standby packages. 75+ years of reliable service. Contact Sommers Motor Generator Sales for all your generator requirements at 1-800-690-2396 sales@sommersgen.com Online: www.sommersgen.com

NEW AND USED generators, all sizes from 5 kw to 3000 kw, gas, LPG or diesel. Phone for availability and prices. Many used in stock. 204-643-5441, Fraserwood, MB. Email: generatorsales@hotmail.com

KOHLER 60 KW diesel generator, \$4500. Call 306-827-7731, Borden, SK.

GENERATORS: 20 KW-2000 KW, low hour diesel, natural gas and propane units. Abraham Generator Sales Co., Coopers-town, ND. 701-797-4766 or 701-371-9526. www.abrahamindustrial.com

NEW AND USED PTO generators. Diesel and natural gas sets available as well. Call 1-888-300-3535, Airdrie, AB.

DIESEL GENSET SALES AND SERVICE, 12 to 300 KWs, lots of units in stock. Used and new: Perkins, John Deere and Deutz. We also build custom gensets. We currently have special pricing on new John Deere units. Call for pricing 204-792-7471.

WANTED 4328

WANTED USED, LOW hours, self propelled forage harvester. Contact Gord at: 780-831-6872, Sexsmith, AB.

WANTED 4328

WANTED: 50-60' SeedHawk or SeedMaster, 10" or 12" spacing, DS, w/wo tank. 306-726-4626, 306-726-7800, Southey, SK

WANTED: NEW HOLLAND 1500 DIESELS, John Deere 6600 and 7700 diesels, prefer running. 306-830-7474, Lloydminster, SK.

WANTED: MASSEY discers, Model 36. Sask., Alberta or Manitoba. Top dollar. 306-625-3369, 306-750-0642, Ponteix, SK.

WANTED MF 36 & 360 Discers
All sizes, any condition, also parts discers, Premium Price paid for 12Ft with 19" blades.
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306.946.9669 or 306.946.7923

WANTED: Older and newer tractors, in running condition or for parts. Goods Used Tractor Parts, 1-877-564-8734.

WANTED: 1830 or 1835 JD air drill, from 55' to 61', w/1910 430 tank, whole unit equipped w/double shoot for dry fertilizer. Prefer low acres, well maintained. Call 204-773-6890, Inglis, MB.

WANTED: Air drill and air cart, mid-1990s to mid-2000s, dry DS, 55' to 62' wide, minimum 400 bu. Preference given to well maintained (shedded) unit. 306-939-4565, 306-537-1539, Earl Grey, SK.

WANTED

WANTED: MF #36 DISCERS. Will pay top dollar and pick from anywhere. Phone Mike 306-723-4875, Cupar, SK.

1994 MORRIS 34' air drill, 50' Morris 750 Max cultivator, drill 180 bu. Cultivator 2420 Valmar, \$10,000 each OBO. 306-848-0088, Weyburn, SK. john_jackie@yourlink.ca

WANTED: USED, BURNT, old or ugly tractors. Newer models too! Smith's Tractor Wrecking, 1-888-676-4847.

FENCING 4400

SOLIDLOCK AND TREE ISLAND game wire and all accessories for installation. Heights from 26" to 120". Ideal for elk, deer, bison, sheep, swine, cattle, etc. Tom Jensen ph/fax 306-426-2305, Smeaton, SK.

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FIREWOOD 4475

BLOCKED AND SPLIT seasoned Spruce firewood. Call V&R Sawing, 306-232-5488, Rosthern, SK.

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KOHLER 60 KW diesel generator, \$4500. Call 306-827-7731, Borden, SK.

GENERATORS: 20 KW-2000 KW, low hour diesel, natural gas and propane units. Abraham Generator Sales Co., Coopers-town, ND. 701-797-4766 or 701-371-9526. www.abrahamindustrial.com

NEW AND USED PTO generators. Diesel and natural gas sets available as well. Call 1-888-300-3535, Airdrie, AB.

DIESEL GENSET SALES AND SERVICE, 12 to 300 KWs, lots of units in stock. Used and new: Perkins, John Deere and Deutz. We also build custom gensets. We currently have special pricing on new John Deere units. Call for pricing 204-792-7471.

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ALL CANADIAN COAL-FIRED hydronic heater/boiler. Market leader in coal/bio-fuel boilers. 5 different sizes available for your heating needs. UL listed. 780-662-4867, 780-913-1839, Kingman, AB. office@allcanadianheaters.com www.allcanadianheaters.com

WANTED: CAST FIRE BOX liners, new or used, in good cond. for a Monarch Ent. stove. Call 403-845-4395 evenings, Rocky Mountain House, AB.

HIDES/ FURS/LEATHERS 4880

TROPHY ZONE TANNERY. State of the art facility. Hair on tanning for both taxidermy and domestic hides. Quality work with fast turn around. Call anytime 403-653-1565 or cell 406-450-6300, Cardston, AB. Email: bunnage@shaw.ca

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KOHLER 60 KW diesel generator, \$4500. Call 306-827-7731, Borden, SK.

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AUCTION SALES 5005

Heartland Livestock Services
Swift Current, Sask.

BRED COW & SPECIAL SALES 2015

Thursday Dec 10
500 head
Paul & Joy LeBel Dispersal.
75 Black Cows & Hfrs - Fancy
Bill & Ellen Mykietak Dispersal.
32 Blk 2nd Calvers; 20 Blk 3rd Calvers.
Tom Graham Annual Production Sale
100 Blk & Red Heifers
Lost Valley Ranch Production Sale
90 Blk & Red Hfrs
Eddie Omiecinski 35 HFR; 35 Cows

Saturday Dec 12
Westwood Land & Cattle Production Sale
(Kevin Woods)
Quality 2nd Calvers plus AI Heifer Program.
450 - 2nd Calving Black and 1/4 Blood Simm Black Cows
50 2nd Calving Red
All bred Sodergren Black Max July 1st.
250 Black & Red Hfrs Synchronized & AI'd.
April Calving. Unparalleled in Canada.
For Quality 2nd Calvers In Volume Plus AI HFR Program.
All Star Sale Unparalleled in Canada.

Monday Dec 14
11th Annual Rock Solid Bred Hfr Sale
500 Red Black & Tan Hfrs
Baldies & The Simm Cross
"Canada's Best Commercial Hfr Sale"

Thursday Dec 17
400 Head Feature Little Rainbow Ranch Production Sale (Perry Rasmusson)
80 Black 2nd & 3rd Calvers
Bred Black Simm
55 Black Hfrs Synchronized & AI'd
Todd Dunham 30 Red Home Raised
1200lbs HFRs.
Lee 306-741-5701
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NORDAL LIMOUSIN & ANGUS FEMALE SALE

DECEMBER 16

Saskatoon Livestock Sales
Saskatoon SK.

Selling: 280 bred commercial females; 160 Red & Black Angus cross Simm heifers bred Red or Black Angus; 120 2 to 4 year old females bred Black Angus and Limousin; 143 purebred bred females also sell 28 Limousin. 64 Black Angus 51 Red Angus.

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WHITEWOOD LIVESTOCK SALES

Bred Cow & Heifer Sale
FRIDAY DEC 11 @ 11 AM

- 110 HEIFERS approximately 85% Black, 15% Red, RBF plus 40 Exotic cows bred Black due to start calving March 10. Herd health.
- 50 BLACK AND RED COWS bred black.
- 80 BLACK AND RED COWS bred Black Angus or Limo, 50% are 1st and 2nd calvers.
- 40 head SIMM/ANGUS X for CALICO CATTLE CO. - Includes 15 heifers bred Black Angus and 25 cows bred Simmental - Cows calving Feb 20, heifers March 1st. Full herd health.
- Plus 40 heifers black, rwf, red, bred Red Angus/Polled Hereford.

Book your Bred Cows into these sale soon.

For more info or to book call 306-735-2822 or go to www.whitewoodlivestock.com for pictures & more information.

BLACK ANGUS 5010

40 TOP QUALITY HOME RAISED Black Angus bred heifers. Black calving ease bulls exposed June 28 to August 17. Preg. checked, full vacc. program. 80 to choose from, \$3000 ea. 306-434-6462 Fairlight SK

BLACK ANGUS 5010

PUREBRED BLACK ANGUS long yearling bulls, replacement heifers, AI service. Meadow Ridge Enterprises, 306-373-9140 or 306-270-6628, Saskatoon, SK.

8 COMING TWO-YEAR old bulls weighing 1500-1700 lbs. Excellent quality. Glennie Bros. Angus 306-482-3813 after dark, 403-862-7578 cell, Camduff, SK.

500 BRED ANGUS FEMALES sell, Johnson Livestock Female Sale. Tuesday, Dec 15, on the Ranch, Peebles, SK. 110 bred heifers, all AI'd Final Answer, 15 cow/calf pairs, 200 registered cows, 150 commercial heifers all AI. Half sell in groups of 5 or 10. Catalogue online at JohnsonLivestock.com text or call Andrew 306-736-7393, Peebles, SK. johansonlivestockangus@gmail.com or website: johanson-livestock.com

HERD DISPERSAL: RETIRING, 7 years and down, 30 years of breeding, one brand cows, preg checked ultrasound, could feed until April 1/16, will sell small lots on gate run, start calving April 20, \$3000. 780-674-7195, 780-785-2849, Barrhead, AB. dazybfarms@live.ca

27TH ANNUAL KEYSTONE KLASIK Black and Red Angus Sale, Saturday December 5, 2015, 1:00 PM, Keystone Centre, Brandon, MB. Offering 65+ females, including an elite selection of foundation bred heifers and fancy heifer calves. Junior discounts available. For a catalogue or more info, contact T Bar C Cattle Co. Ltd. at 306-933-4200. View the catalogue online at www.buyagro.com PL #116061.

REGISTERED BLACK BRED HEIFERS, various bloodlines. For more info, call Lambs Quarters Angus, 306-778-3797 or 306-741-6111, Swift Current, SK.

BIRCHAM RANCH BRED HEIFERS. 160 top cut first cross black brockleface, 30 3/4 Angus black and black brockleface heifers and 20 first cross Black Simm cross Black Angus. Bred Black Angus, June 10th to August 1st. All vaccinations. Will deliver. Selling at the Rock Solid Bred Heifer Sale, December 14th, 2015, Heartland Livestock, Swift Current, SK. Call Wayne Bircham 306-558-4514, 305-662-7940, Piapot, SK. rocksolidbredheifer.com

350 BLACK ANGUS HEIFERS for sale: 220 Density sired, AI'd to Final Answer; 60 Final Answer sired, AI'd to Cedar Ridge; 70 JL Livestock sired, AI'd to Final Answer. 200 to be sold off farm. 150 to be sold at JL Livestock's Production Sale on Dec. 15, 2015. Call 306-736-8698, Peebles, SK.

SELLING: BLACK ANGUS BULLS. Wayside Angus, Henry and Bernie Jungwirth, 306-256-3607, Cudworth, SK.

ATLANTA ANGUS 10TH BULL SALE and Seriously Black Select Female Sale, Dec. 12, 2015, 1:00 PM, at the farm Sylvan Lake, AB. With guest consignors Brookmore Angus, MB & Remital West, AB. 70 yearling bulls; 12- 2 year old bulls; 30 bred females; 6 open show heifer prospects. For info, call Brian Sutter at 403-505-7073 or Doug Henderson at 403-350-8541. View catalog: www.hendersoncattle.com

BLACK ANGUS BULLS, two year olds, semen tested, guaranteed breeders. Delivery available. 306-287-3900, 306-287-8006, Englefeld, SK. skinnerfarmsangus.com

RED ANGUS 5015

PASQUIA & SUNDOWN RED ANGUS Complete Dispersal, Saturday December 12, 2015, 1:00 PM, Saskatoon Livestock Sales, Saskatoon, SK. Selling over 200 head of 1-iron seedstock including cow/calf pairs, bred heifers, and herd bulls. Wintering program and terms available on all bull calves. For a catalogue or information contact Al Ginter 306-768-7972, Carmen Ginter 306-220-3800 or T Bar C Cattle Co. 306-220-5006. View the catalogue online at www.buyagro.com PL #116061.

MARK YOUR CALENDARS for the Sunset Ridge Red Angus Complete Dispersal, Saturday December 19, 1:00 PM at Heartland Livestock, Virden, MB. Selling 50 cow/calf pairs, 15 bred heifers, and 2 herd bulls. Wintering program and terms available on all bull calves. For a catalogue or more information contact Nancy Howatt 204-825-8292 or T Bar C Cattle Co. Ltd. 306-220-5006. View the catalogue online at www.BuyAgro.com PL # 116061.

RED ANGUS BULLS, two year olds, semen tested, guaranteed breeders. Delivery available. 306-287-3900, 306-287-8006, Englefeld, SK. skinnerfarmsangus.com

20 REG. RED ANGUS heifer calves. Full Throttle, Detour, Crush bloodlines, Born Feb./March. Avg. BW 79, average weaning weight 712. Real nice group. Call Little de Ranch, 306-845-2406, Turtleford, SK.

27TH ANNUAL KEYSTONE KLASIK Black and Red Angus Sale, Saturday December 5, 2015, 1:00 PM, Keystone Centre, Brandon, MB. Offering 65+ females, including an elite selection of foundation bred heifers and fancy heifer calves. Junior discounts available. For a catalogue or more info, contact T Bar C Cattle Co. Ltd. at 306-933-4200. View the catalogue online at www.buyagro.com PL #116061.



Y COULEE LAND & Cattle You Be the Judge Bull and Bred Heifer Sale, December 14, 2015, 1:00 PM, North Central Livestock, Vermilion, AB. 60 coming 2 year old Red Angus bulls. Bulls wintered free until spring. We pay half the insurance. 450 Red Angus cross Simmental heifers bred for March/April calving. 150 traditional Simmental heifers bred for Feb./Mar. calving. Select group of Black Angus/Simmental heifers bred for March/April calving. 306-307-4993, 780-205-8269, Frenchman Butte, SK. thougham@litttleon.com

RED ANGUS 5015

COMPLETE DISPERSAL of Glesbar Cattle Co. Ltd. on Thursday, December 17 at 1:00 PM at Clyde, AB. Outcross Red Angus Genetics. Offering 164 lots: 7 herd/sires, 81 cow/calf pairs, 52 bred heifers, 19 bred cows, 5 open heifers, 3 embryos. Special semen lots. Glen and Darlene Glessman 780-674-2080; Rob Holowaychuk, OBI 780-916-2628. View catalogue online at www.cattlemanagement.ca

CHAROLAIS 5055

40 PB CHAROLAIS cows, 20 bred heifers, white and red factor w/wo papers. Cows calving mid March, heifers mid April. Ervin Zayak, Creedenc Charolais Ranch, Derwent, AB. 780-741-3868, 780-853-0708.

POLLED PUREBRED COMING 2 year old Charolais bulls, Red Factor and white. Easy calving. Call Kings Polled Charolais, 306-435-7116, Rocanville, SK.

HERD DISPERSAL: JORDAN River Charolais Dispersal Sale of 115 head including: herd bulls, bred cows and heifers, heifer calves and bull calves. Saskatoon (SK) Livestock Sales, Dec. 5, 2015, 1:00 PM. 306-768-7452, glen@sasktel.net or visit online at: www.bylivestock.com

8 BRED CHAROLAIS cows, bred to Red Angus Bull and also 80 round bales. Call 204-739-6323, Fisher Branch, MB.

CHAROLAIS FEMALE SALES. There are endless opportunities becoming a purebred Charolais breeder. This fall there are six purebred Charolais sales in the prairie provinces. Explore the opportunities. 306-536-4261 charolaisbanner@gmail.com or www.bylivestock.com

20 PUREBRED CHAROLAIS cows and bred heifers, preg. checked. A great starting herd. Jim 306-839-4710, Pierceland, SK.

HEREFORD 5090

10 POLLED HEREFORD yearling heifers bred to easy calving Hereford bull. Excellent quality replacement heifers. Call George Lees 306-455-2612 or Corey Lees 306-577-9971, Arcola, SK.



BIG GULLY FARM'S ONLINE/ON-FARM Bull and Heifer Sale, Thurs. Dec. 10th, 5:30 PM MST, 12 Miles N of Maidstone, SK. Horned and Polled: Long-yearling bulls, bull calves and bred heifers. Free wintering. View videos, information and catalogue at: www.biggullyfarm.com Lance Leachman 306-903-7299 biggullyfarm@gmail.com Online bidding: LiveAuctions.tv

7 REGISTERED HORNED Hereford bred heifers, 2 yearling bulls, 1 bull calf. Jensen Farms, Carstairs, AB. 403-337-3766.

HOLSTEIN 5100

FRESH AND SPRINGING heifers for sale. Cows and quota needed. We buy all classes of slaughter cattle-beef and dairy. R&F Livestock Inc. Bryce Fisher, Warman, SK. Phone 306-239-2298, cell 306-221-2620.

LOWLINE 5118

BIG ISLAND LOWLINES Premier Breeder. Selling custom designed packages. Name your price and we will put a package together for you. Fullblood/percentage Lowline, embryos, semen. Black/Red carrier. Darrell 780-486-7553, Edmonton, AB.

SHORTHORN 5200

SHORTHORN ALLIANCE SALE Thursday December 10 at 1:00 PM at Saskatoon Livestock Sales. On offer: Top females, consisting of heifer calves and bred heifers. Top genetics from leading Western Canadian breeders. For more info contact Richard Moellenbeck, 306-287-7904 or view catalogue at www.saskshorthorn.com

4'S COMPANY 35th Annual Purebred Shorthorn Sale, Sunday, Dec. 6, 1:00 PM, Camrose, AB Exhibition Grounds. Canada's longest running private sale. Quality heifer calves, bred heifers, herd sire prospects and commercial bred heifers. View catalog online at: www.canadianshorthorn.com or call 780-763-2209. Please pre-register for online bidding at: dlms.ca

SIMMENTAL 5205

WANTED: PUREBRED RWF Simmental top quality herd bulls. Phone 306-542-2575, Veregin, SK.

LONG ESTABLISHED herd of Purebred Simmentals for sale. Call Jay Good at Transcon. 403-556-5563, Crossfield, AB.

SPRING CREEK SIMMENTALS' Golden Opportunity II Female Sale. Will be held at the farm near Moosomin, SK., on Tues., Dec. 22, 2015, 1 PM. On offer 86 Red and Black Simmentals Angus and Simm/Angus cows and bred heifers. Brian McCarthy, 306-435-3590 or cell 306-435-7527.

TARENITAISE 5220

BRED TARENITAISE BRED purebred and crossbred Tarenitaise heifers and cows (2nd calvers). Bred to Tarenitaise bulls starting June 13. Call for pricing 403-901-1413, Strathmore, AB.

TEXAS LONGHORN 5225

REG. LONGHORN COW Herd Dispersal, 25 head of good quiet cows bred for wide heavy horn. Proven bloodlines bred to 2 great bulls. Photos and pedigree available at www.suncreekranches.com Call Cliff 780-388-3324, Buck Lake, AB.

WELSH BLACK 5235

WELSH BLACK- The Brood Cow Advantage. Check www.canadianwelshblackcattle.com Canadian Welsh Black Soc. 403-442-4372.

CATTLE VARIOUS 5240

10 SHORTHORN CROSS SIMMENTAL heifers, bred to a purebred Shorthorn bull at 4's Company Sale, Sunday, Dec. 6th, 1:00 PM, Camrose Agriplex. More info phone 780-763-2209, or canadianshorthorn.com

70 EXTREMELY GENTLE HOME RAISED Black Angus bred heifers. NV. Very fertile breeding program, 1 out of 75 called open, \$3250 each; Also 2015 heifer calves available. NVB. 403-363-4850, Brooks, AB.

HERD DISPERSAL: 80 bred Black Angus cross cows, you pick top 60, 100 bred mixed cows, you pick top 80. Full herd health program. \$2500 per head firm. 306-335-7875, Lemberg, SK.

100 BLACK ANGUS COWS BRED TO TOP NOTCH BLACK ANGUS BULLS

Bulls turned in May 28th. Cows are in great shape age from 5 to 10 years old. All have good feet and udders. Price \$2500.00. Located Edmonton area. All females on complete herd health. Guaranteed quality satisfaction on these supreme females.

For pictures, visit the classifieds page at www.primroselivestock.com. Call Steve at 403-381-3700 or Cell 403-382-9998.

160 BLACK ANGUS and BWF Hereford cross bred heifers. Express vac., home raised, select for sound, moderate, fertile cows. Bred July 12, 50 days to easy calving bulls, \$2700. Call R. Beierbach, 306-735-1341, Whitewood, SK. shophighplains@me.com

COMPLETE HERD of 100 yellow/tan Simm cross cows. Start calving end of March. Bred to Red Simm. Full herd health program. 2015 calves can be viewed w/cows, 2014 steer calves, avg. 634 lbs. Call Randy at 204-739-3011, Ashern, MB.

SIMMENTAL CROSS HOME-RAISED bred heifers for sale, calving Mar and April, bred Angus. Selling at North Central Livestock Exchange, Vermilion, AB, Dec. 12, 2015. Yearling and 2 year old bulls for sale by private treaty. Little Willow Creek Ranch, Frenchman Butte, SK., Scott Harland, 306-344-2027, cell 780-214-1198; Blaine Harland, 306-344-4962, cel 306-821-0112.

WANTED: PUREBRED RWF Simmental top quality herd bulls. Call 306-542-2575, Veregin, SK.

38 COW/CALF PAIRS. Complete herd health program. Cows bred to Red Simm. bulls. Calves born mid July/August. 204-739-3011, Ashern, MB.

500 BRED 2nd and 3rd calvers, mostly Red and Black Angus, a few tans. Swift Current, SK, call 306-773-1049 or 306-741-6513.

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1000 BLACK ANGUS bred cows. Approx. 1000 2nd, 3rd, and 4th calving young high producing cows. Bred Black Simmental and Sodergren Charolais. Start calving early April. 306-435-7313, Moosomin, SK.

MJ PETERSEN TRANSPORT Ltd. has for hire ground load 53' cattleliner and a 53' stepdeck hay trailer. Mottlach, SK., cell Dakota 306-891-1380 306-631-2023 Miles

81 BLACK HEIFERS bred to low BW Red and Black Angus bulls. Start calving March 20th. 306-442-4545, Weyburn, SK.

GOOD QUALITY BRED HEIFERS. Red Angus, Red Angus cross Hereford and Red Angus cross Simmental. Bred Red Angus. Ferguson Stock Farm Ltd., 306-895-4825, Paynton, SK.

BRED HEIFERS

70 Red Angus and 120 Black Brockle faces FANCY. FANCY bred to Black Angus Bulls. Bulls turned out June 15th. Price \$2900.00. All females on Complete herd health.

For pictures, see the classifieds page at www.primroselivestock.com Guaranteed quality satisfaction on these supreme females.

Call Steve at 403-381-3700 or Cell 403-382-9998.

150 BLACK ANGUS 2ND CALVING COWS BRED TO SUPER BLACK ANGUS BULLS FANCY, FANCY!

Bulls turned out June 15th. Price \$3300.00. Cows located in central SK. All females on complete herd health. Guaranteed quality satisfaction on these supreme females.

For pictures, visit the classifieds page at www.primroselivestock.com. Call Steve at 403-381-3700 or Cell 403-382-9998.

EXCELLENT GROUP of 17 bred heifers, mostly RWF, preg checked, very quiet. Call Erwin Lehmann, 306-232-4712, Rosthern.

BRED RED AND RWF Simm./Angus cross heifers bred to Red Angus bulls. Breeding exposed June 1st. Mitch at 306-467-4975, 306-467-7912, Duck Lake, SK.

BRED HEIFERS. 100 Black Angus, 50 Hereford. Excellent ranch raised females bred to top quality Horned Hereford bulls. Start calving April. Call Dean at 780-855-2580, New Norway, AB.

40 BLACK ANGUS HEIFERS, bred to Black Angus heifer bulls from July 2nd, nice, quiet, average weight, 1100 lbs. Call 306-322-7905, Archerwill, SK.

CATTLE VARIOUS 5240



BLACKSAND PREMIUM BALDIES - Bred Heifers For Sale. BlackSand Cattle Company has on offer 200 commercial Angus influence bred heifers for sale. This is a top group Blacks, Black Baldies and Black Brockles that will be sold on a first come first serve basis. Sold in various package sizes and priced accordingly. Bred to Black Angus calving ease bulls for April/May 2016 calving. These heifers will turn into great mama cows! Can be sold with round hay bales. Call Craig at 204-761-5991, McAuley, MB. craig@blacksandcattle.com or on Twitter @BlackSandCattle

\$5000 REWARD LEADING up or in finding 14 missing Simmental cows and 13 calves. Cows have brand "TLX" on left rib and possibly a brand of "P" and backwards "G" on left rib. Calves probably not branded. Went missing in Alliance/Sedgwick, AB area. Call 780-386-3745, 780-888-1258.

HOME RAISED Uniform Ranch Heifers. Black and Brockles bred Black June 24. Full herd health, asking \$2500 each. Call Jerry Chanig, 306-478-2658, Mankota, SK.

300 BRED COWS one iron red and red blaze face cows bred Charolais. Excellent high producing cows. Start calving early April. 306-435-7313, Moosomin, SK.

75 YOUNG RED and Red cross bred cows, 2-4 yrs. old. Bulls out July 01. Bred to McMillan or T-bar-K Simm. and Red Angus \$2700/ea. 306-577-1996, Kennedy, SK.

175 BLACK ANGUS BRED HEIFERS, bred to low BW Black bulls, exposed July 4, 2015, vac. w/VL5 plus 7 Som, Safeguard/Ivomec, \$2750. you pick, volume discounts. 306-476-7996, Rockglen, SK.

WOLFE FARMS 11th Annual Bull/ Female Production Sale, Saturday, Dec. 5, 2015, 4:00 PM, Valleyview, AB. 48- Fleckvieh Simmental 18 mo. old bulls. 15 reg. bred females. For catalogues or info, call Tony Wolfe 780-524-9322. www.wolfe farms.ca Email: wolfe farms@gmail.com

QUALITY RANCH Red and Black Angus cross bred heifers, approx. 1100 lbs., health program. Bulls out June 6th, \$2750 0B0. 403-308-4200, Arrowwood, AB.

10 BLACK ANGUS bred heifers, approx. 900 lbs., \$2300. Phone 306-834-8188, Kerbert, SK.

STRAW AND GREEN FEED large sq. 3'x4'x8' bales. Large quantities avail. Also have hay. 20 min. east of Calgary 403-618-7141

HERD DISPERSAL of 90 bred Simmental cross Red Angus cows, bred to Simm. bulls. Start to calve Mar 15. Preg. tested, treated with Ivomec and IBR vaccinated. \$2500/head. 306-739-2113, Wawota, SK.

300 ANGUS CROSS 2nd and 3rd calving bred cows, bred to Angus bulls, start calving April 1st. 50 Angus bred heifers, bred Angus. Vaccinated with FP5 and Ivomec. Call 204-851-0745, Elkhorn, MB.

20 PUREBRED CHAROLAIS cows and bred heifers, preg. checked. A great starting herd. Jim 306-839-4710, Pierceland, SK.

80 REPUTATION RANCH raised Black Angus cross heifers, bred easy calving Black Angus, due April 10th, \$3000. Call 403-285-4080 evenings, Calgary, AB.

BURGESS RANCH will be selling top cut Black Baldy heifers at the Rock Solid Bred Heifer Sale, December 14, 2015, 1:00 PM at Heartland Livestock, Swift Current, SK. For more info, call Joe 306-558-4705.

36 TOPCUT RED Angus cross heifers, bred to easy-calving Red Angus bull, all AI bred June 10, exposed to Redman Son. Battleford, SK. 306-937-2880 or 306-441-5010.

22 SIMMENTAL AND Simmental/Angus heifers, bred to proven easy calving Simm. bull for Feb./March calving. 306-335-7553 Balcarres, SK.

FOR SALE: 66-3 year old Black cows, preg checked - safe in calf, bred to Black bulls, turned out July 1st for 70 days, asking \$2750. Call 306-329-4382, Saskatoon, SK.

SWINE VARIOUS 5670

BERKSHIRE BOARS, ALL sizes. Delivery at cost. Call Troy or Lee at 204-828-3317, 204-750-2759, St. Claude, MB.

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SPECIALTY LIVESTOCK EQUIPMENT 5783

24' HEAVY DUTY PANELS and WINDBREAKS JC Panels makes 24' panels out of 2- 3/8 or 2-7/8 pipe along with 24' windbreaks. For more detailed info. call 403-704-3828, Rimbe, AB.

LIVESTOCK VARIOUS 5785

130 BRED RED Angus heifers bred to easy calving Red Angus bulls, to start calving April 1. Willing to feed some till spring. \$3,000. 306-784-7480, 306-629-7841, Herbert, SK. kenfalk57@gmail.com

BRED HEIFERS TOP quality Red Angus heifers bred to easy calving heifer bulls. Start calving April 1st. 306-784-3547, Herbert, SK. rb.dj@sasktel.net

LIVESTOCK EQUIPMENT 5790

WANTED: 1260 BEAR CAT mixmill, good condition. Call 306-834-2976 or Box 133, Major, SK. SOL 2H0.

FFS- FUCHS FARM SUPPLY is your partner in agriculture stocking mixer, cutter, feed wagons and bale shredders and industry leading Rol-Oyl cattle oilers. 306-762-2125, Vibank, SK. www.fuchs.ca

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HIGHLINE BALE PRO 7000, with added feed chopper, 30 bushel grain tank, big tires, 1000 PTO. Makes poor feed better. \$16,500 OBO. Phone 306-463-3225, 306-460-7620, Kindersley, SK.

H1000 TUB GRINDER, good shape. Call 403-507-9889, Olds, AB.

SKIDSTEER 84" MANURE fork w/grapple, \$1800. Call 306-561-7733, Bladworth, SK.

QUALITY 5 BARS, windbreaks, gates and feeders, plus more. Many satisfied long term customers. 306-485-8559, Oxbow SK

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JD 750 MIXMILL, shedded, excellent, \$3500. 306-567-8614, Davidson, SK.

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LIVESTOCK EQUIPMENT 5790



AQUA THERM A pasture proven trough. Winter water problems? Solved! No electric required. 3 sizes - 100, 200 and 525 gallon. **Kellin Solar**, Lumsden, SK. 1-888-731-8882, www.kellinsolar.com

GREG'S WELDING: Freestanding 30' 5 bar panels, all 2-7/8" drill stem construction, \$470; 24'x5.5'H panels, 2-7/8" pipe with 5-1" sucker rods, \$350; 24'x6' high panels, 2-7/8" pipe with 6-1" rods, \$375; 30' 2 or 3 bar windbreak panels c/w lumber. Gates and double hinges available on all panels. Belting troughs for grain or silage. Delivery available. 306-768-8555, Carrot River, SK.

FREESTANDING PANELS: 30' windbreak panels; 6-bar 24' and 30' panels; 10', 20' and 30' feed troughs; Bale shredder bunks; Silage bunks; Feeder panels; HD bale feeders; All metal 16' and 24' calf shelters. Will custom build. 306-424-2094, Kendal, SK.

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2003 BALE KING VORTEX 3100 bale processor, RH discharge, \$9,850. Call Dave 306-424-7511, Montmartre, SK.

ARROW LIVESTOCK EQUIPMENT: Port. windbreaks, custom panels. Mossbank, SK. 1-866-354-7655, www.shadowranch.ca

WANTED: PORTABLE CREEP FEEDERS with folding panels. Call 306-542-2575, Vereglin, SK.



2000 HARSH 575 feed box complete for sale, \$15,000. Call Jeff at 403-371-6362, Brant, AB.

2002 SUPREME 900T batch mixer, \$35,000. Call 780-913-2802, Sturgeon County, AB.

LIVESTOCK SERVICES/ VET SUPPLIES 5792

HEALTHY COWS ARE PROFITABLE COWS: BUY TUBS and MINERAL DIRECT. Riomax tubs, RangeRocket lick sleds and Riorgrande bag mineral. Top quality supplements, low cost and delivered direct. Call to discuss your fall and winter supplement and/or mineral needs. Simply order over the phone, it's shipped right to your ranch, freight free (min. 3 tons). Ask about full/half load discounts. Call 306-500-6417. Watch videos online: www.rionutrition.net

Misc. ARTICLES 5850

3 CEMETERY PLOTS, at Swift Current, SK. Memory Gardens, Gethsemane area. 2 openings and closings, companion marker. Reduced price. Info. call 403-442-3854.

NEW TUPPERWARE, liquidating, no tax, discount prices. 306-516-7890, Yorkton, SK. everything-on-sale.weebly.com

HEAVY DUTY PARTS on special at www.maximinc.com/parts or call Maxim Truck & Trailer, 1-888-986-2946.

TREE MULCHING/ BRUSH MOWING Services. Mulch up those annoying tree rows or the piles you have from digging them out. Brush mower for up to 5" trees and mulch head for all sizes. Yard and fence line clean up. Call for free estimate. 306-460-7102, Saskatoon, SK.

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CERTIFICATION SERVICES 5943

WANT THE ORGANIC ADVANTAGE? Contact an organic Agrolgist at Pro-Cert for information on organic farming: prospects, transition, barriers, benefits, certification and marketing. Call 306-382-1299, Saskatoon, SK. or info@pro-cert.org

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Biooriginal Food & Science Corp. is actively buying **Organic Flax & Organic Hemp** from the 2015 crop year.

If interested, please send an 8lb sample* for analysis to the following address:

Attn: Sandy Jolicoeur
Biooriginal Food & Science Corp.
102 Melville Street
Saskatoon, Saskatchewan
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*Please state the Variety & Quantity for Sale

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WANTED: CERTIFIED ORGANIC feeder cattle. Call Peter Lundgard, Nature's Way Farm at 780-338-2934, Grimshaw, AB.

PERSONAL 5950

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Replies to Western Producer box numbers will be forwarded for two months.

SINGLE MALE, AGE 50, seeking female 40-60 who likes farm and country lifestyle. Box 5572, c/o The Western Producer, Box 2500, Saskatoon, SK. S7K 2C4.

SWM CATTLE RANCHER, East Central Sask. Early 40's, seeking female who enjoys travel, country living and sharing fun times. Please include photo and phone #. Box 5571, c/o The Western Producer, Box 2500, Saskatoon, SK., S7K 2C4.

PERSONAL 5950

WANTED: If you know a rancher/farmer who would like to meet a down to earth common sense, attractive youthful looking 49 yr old female who also lives the country life. Email: country6688@outlook.com

GENTLEMAN LIKE TO meet lady 60-70 years for friendship/companionship to go for coffee outings and dancing. Reply with photo to: Box 5573, c/o The Western Producer, Box 2500, Saskatoon SK. S7K 2C4.

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No person shall, without an express statement that the animal's registration, identification or status as a purebred is from a jurisdiction other than Canada and that the animal will not be registered or identified in Canada by the person, sell, as registered or identified, or as eligible to be registered or identified, or as a pure-bred, any animal without providing to the buyer thereof within six months after the sale the animal's duly transferred certificate of registration or certificate of identification. Any person who contravenes any provision of this Act or the regulations (a) is guilty of an offence punishable on summary conviction and is liable to a fine not exceeding twenty-five thousand dollars; or (b) is guilty of an indictable offence and is liable to a fine not exceeding fifty thousand dollars. For further information contact: Canadian Kennel Club Etobicoke, On.

REGISTERED 5970

CKC STANDARD RED Poodle puppies, 4 males, vet checked, microchipped and dewormed. Crate and potty trained. Pet contracts. Available Dec. 2/15. \$1500. 780-645-9429, 780-645-8473, St. Paul, AB. petal61ca@gmail.com

CKC REGISTERED WEIMARANER pups, one male and 2 females available. Vet checked, first and second shots, dewormed, microchipped. Two year health guarantee. Call 306-380-7591.

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3- GREAT PYRENEES/MAREMMA, 3 mo. old male puppies, dewormed, all shots and vet checked. 204-859-2670, Rosburn, MB.

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Jiffy Bale Processor

Model	Maximum Bale Length	Discharge	Chamber Length	Number of Hammers	Hammer Size
RJS 927	72"	left hand	95"	32	1/2" x 2" x 5 1/4"
RJS 928	72"	right hand	95"	32	1/2" x 2" x 5 1/4"
RJS 958	108"	right hand	117"	40	1/2" x 2" x 5 3/4"

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2016 INTERNATIONAL 4400 6X4



Tandem Axle Grain Truck, N9 engine, Allison (Auto) transmission (6 speed), Air brakes, 14000 lbs front axle capacity, 40000 lbs rear axle capacity, 4-Way rear lockup. Brandon, MB
Stock #7084-16

\$146,400

2006 INTERNATIONAL 9400I 6X4



Tandem Axle Grain Truck, Cummins ISX engine, Eaton Fuller Ultra Shift transmission (10 speed), ABS brakes, 630311 mi, 12000 lbs front axle capacity, 40000 lbs rear axle capacity, Diff Lock rear lockup, A/C, Getting a 19 foot Cancade Box. Regina, SK
Stock #0605-06B

\$65,750

2009 INTERNATIONAL 8600 4X2



Tandem Axle Grain Truck, Cummins ISM engine (320 HP), Eaton Fuller Ultra Shift transmission (10 speed), Air brakes, 853000 km, 12000 lbs front axle capacity, 46000 lbs rear axle capacity, 4-Way rear lockup, A/C, brand new Cancade grain box. Regina, SK
Stock #V291179

\$77,000

2016 INTERNATIONAL 4400 6X4



Tandem Axle Grain Truck, N9 engine, Allison (Auto) transmission (6 speed), Air brakes, 14000 lbs front axle capacity, 40000 lbs rear axle capacity, 4-Way rear lockup, 20 ft. Cancade grain body/tarp/ electric controls. Prince Albert, SK
Stock #6761-16

\$149,700

2007 PETERBILT 386



Tandem Axle Grain Truck, Cummins ISX engine (450 HP), Eaton Fuller D/O transmission (13 speed), Air brakes, 1147000 km, 12000 lbs front axle capacity, 40000 lbs rear axle capacity, Diff Lock rear lockup, A/C, fresh cab paint. Regina, SK
Stock #8216-07A

\$79,900

2016 INTERNATIONAL 4400 6X4



Tandem Axle Grain Truck, N9 engine, Allison (Auto) transmission (6 speed), Air brakes, 14000 lbs front axle capacity, 40000 lbs rear axle capacity, 4-Way rear lockup, 20 ft. Cancade grain body/tarp/electric controls. Brandon, MB
Stock #9698-16

\$148,300

2009 FREIGHTLINER CASCADIA



Tandem Axle Grain Truck, Detroit Diesel engine (475 HP), Eaton Fuller D/O transmission (13 speed), Air brakes, 838000 km, 12000 lbs front axle capacity, 40000 lbs rear axle capacity, 4-Way rear lockup, A/C. Regina, SK
Stock #7038-09A

\$74,500

2016 INTERNATIONAL 4400 6X4



Tandem Axle Grain Truck, N9 engine, Allison (Auto) transmission (6 speed), Air brakes, 14000 lbs front axle capacity, 40000 lbs rear axle capacity, 4-Way rear lockup. Winnipeg, MB
Stock #9654-16

\$152,700

2016 TIMPTE SUPER B GRAIN

Grain, Super B, Air suspension, Tridem axle, Aluminum rims, 24" king pin, Tarp: Shurco Shur-loc Black, Hoppers: Split tub - 24" clearance Black w.Int Access 5 steps, Width: 102in, Length: 29ft. Winnipeg, MB.
Stock #GB152675

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2015 TIMPTE GRAIN

Grain, Air suspension, Tandem axle, Outside Aluminum/Inside Steel rims, 20 king pin, Tarp: Rollover Black, Hoppers: Ag Hoppers Black w.Interior Access steps, Width: 102in, Length: 36ft. Brandon, MB
Stock #FB149226

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2010 DOEPKER GRAIN

Grain, Hopper, Air suspension, Tridem axle, Steel rims, Tarp: Rollover Black, Hoppers: 3 in the Middle Black, Width: 102in, Length: 45ft. Winnipeg, MB.
Stock #A1025931U

\$42,900



2012 TIMPTE SUPER B GRAIN

Grain, Super B, Air suspension, Tridem axle, Aluminum rims, 24" king pin, Tarp: Shurco Shur-loc Black, Hoppers: Split tub - 24" clearance Black, Width: 102in, Length: 29ft. Saskatoon, SK.
Stock #V623563

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1995 Ford LTL9000 Water Truck



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1994 Ford L9000



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 <p>2013 AC PROWLER 1000 XTZ, FRESH TRADE, ONLY 26 MILES, TILT BOX, HITCH, WARRANTY AVAILABLE ON SALE \$12,999 or only \$129/bw</p>	 <p>2016 AC MUD PRO 700 LTD POWER STEERING, WINCH, 28" ZILLA TIRES, BUMPERS, EXTRA CLEARANCE, SNORKLE KIT ON SALE \$12,999 or only \$129/bw</p>	 <p>2016 YAMAHA WOLVERINE R-SPEC 708 CC DOHC ENGINE, POWER STEERING, TRUE 4X4, HITCH, TILT REAR CARGO BOX ON SALE \$15,399 or only \$148/bw</p>	 <p>2016 YAMAHA GRIZZLY 700 EPS LE POWER STEERING, HEATED SEAT, WINDSHIELD, ALLOYS, 26" MAXXIS MUD TIRES ON SALE \$12,649 or only \$127/bw</p>	 <p>2006 KAWASAKI BRUTE FORCE WINCH, RAD RELOCATE, MUD TIRES AND ALLOYS, 2-UP BACKREST WITH STORAGE \$7,760 NOW ONLY \$6,299</p>
 <p>2014 AC PROWLER 500 XT LIQUID COOLED, EFI, FRONT DIFF LOCK, TILT CARGO BOX, GREAT FOR WORK OR PLAY ON SALE \$9,999 or only \$99/bw</p>	 <p>2015 AC WILDCAT TRAIL 700 CC 4-STROKE, FOX SHOCKS, TILT STEERING, REAR BOX, ROLL BAR ON SALE \$10,499 or only \$102/bw</p>	 <p>2009 AC TRV 700 FUEL INJECTED, HITCH, WINDSHIELD, WINCH, ALLOYS, FRESH TRADE, DUAL MIRRORS \$7,990 NOW ONLY \$6,999</p>	 <p>2014 YAMAHA GRIZZLY 550 EFI, HITCH, 1000 LLB TOWING, 2WD-4WD SELECTABILITY, ONE YEAR WARRANTY, ALLOYS ON SALE \$8,299 or only \$82/bw</p>	 <p>2015 YAMAHA SR VIPER M-TX SE 153 FOX FLOAT SUSPENSION, 2.6" POWER CLAW TRACK, 4 STROKE, 1049 CC HIGH PERFORMANCE ON SALE \$13,699 or only \$129/bw</p>

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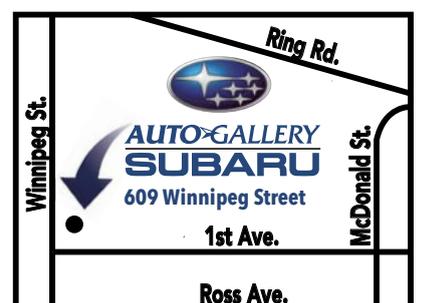
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2015 F350 XLT  Loaded, Bluetooth, box liner, low kms, mint condition, diesel, 4x4, Super Crew Cab, Sat Radio, Heated Mirrors, and More! \$54,995 ON SALE NOW \$49,995 OR \$311 B/W	2014 BMW X1 35i  Local trade, 300HP AWD, M Sport Package, Fully Loaded, Navi, rear view camera, and much more, limited blue edition! \$45,995 ON SALE NOW \$41,874 OR \$269 B/W	2014 NISSAN PATHFINDER  AWD, Fully Loaded, Tech Package, Tow Package, 3rd row Seating, beautiful condition! push button start, navigation \$37,995 ONLY \$34,483 OR \$273 B/W	2013 RAM 3500 LARAMIE  Gorgeous Truck, Heated Seats and Steering Wheel, Premium Leather, Low KMs, U Connect with Navi, MUST SEE! ON SALE NOW \$269 B/W	2014 SANTA FE SPORT LTD  Fully loaded, turbo charged, AWD, Navigation, low kms, great shape, back up camera, 20" aluminum wheels ON SALE NOW \$261 B/W
2015 NISSAN VERSA NOTE  Loaded, Bluetooth, rear view camera, very low kms over 50 mpg, immaculate condition \$21,996 ONLY \$18,883 OR \$133 B/W	AUDI TT 3.2 QUATTRO  Beautiful car, AWD, Extremely Low kms, fully loaded, mint condition, turbo charged, convertible ON SALE TO- \$288 B/W	2010 HONDA PILOT EX  4x4, fully loaded, towing package, 7 passenger seating, alloy wheels, heated leather seats \$26,995 ON SALE TODAY OR \$199 B/W	2011 TOWN & COUNTRY  Fully Loaded, leather seats, DVD players, automatic sliding doors, amazing ON SALE NOW	2011 F350 XLT  Loaded, Sync technology, trailer brake, running boards, box liner, keyless entry, diesel, MUST SEE! \$29,995 ONLY OR \$229 B/W
2012 LAND ROVER LR4  7 Passenger, AWD, rear and side view cameras, air suspension, absolutely fully loaded \$48,995 ONLY \$39,995 OR \$299 B/W	2012 F150 KING RANCH  Fully loaded, Eco-boost, rare package hard to find, beautiful condition, 4x4, backup camera \$39,779 ON SALE TODAY \$37,284 OR \$281 B/W	2014 SUBARU FORESTER XT LTD  Turbo charged, Tech package, Full-Time AWD, pre-collision breaking, fully loaded, adaptive cruise control and more ON SALE TODAY \$237 B/W	2014 CHRYSLER 300 TOUR-  Fully loaded, leather, Bluetooth, Satellite Radio, push button start, mint condition, backup camera \$27,995 ON SALE NOW \$23,854 OR \$171 B/W	2014 CHEV SILVERADO 1500 Z7  Crew cab, 4x4, Fully Loaded, Z71 Package, Leather, Heated Seats, Touch Screen, only 6000KMs, MUST SEE! \$42,995 ONLY \$38,389 OR \$279 B/W
2014 KIA FORTE 5  Back up camera, touch screen, alloy wheels, Loaded, Beautiful condition, Bluetooth, Satellite Radio \$19,995 ON SALE TODAY \$17,438 OR \$111 B/W	2014 SUBARU OUTBACK  Full-Time AWD, sunroof, Heated seats, Bluetooth, Top Safety Pick, local trade, low kms \$31,995 ONLY \$27,936 OR \$199 B/W	2014 SUBARU IMPREZA  AWD, Touring Package, Heated Seats, Alloy Wheels, over 40 MPG, Great Condition! Voted most reliable in its class \$23,995 ON SALE NOW FOR \$19,242 OR \$137 B/W	2014 GRAND CHEROKEE SUMMIT  Eco-diesel, fully loaded, premium leather, air suspension, 4x4, Low kms, satellite radio, command start ON SALE TODAY \$299 B/W	SUZUKI XL7  Great shape, loaded, 7 passenger seating, privacy glass, come see today, low kms, PST paid \$14,995 ON SALE TODAY \$9,834 OR \$109 B/W
2009 FORD EDGE SEL  AWD, Loaded, Privacy Glass, Steering Wheel mounted Controls, Local Trade, Pristine Condition! \$16,995 ON SALE NOW \$12,783 OR \$99 B/W	2010 CHEROKEE NORTH EDITION  4x4, leather, media screen with Bluetooth, roof racks, fully loaded, backup camera, great shape \$24,995 ON SALE TODAY \$20,844 OR \$197 B/W	2014 SUBARU LEGACY  Loaded, sunroof, heated seats, Bluetooth, AWD, a sedan for all road conditions, top safety pick \$27,995 ONLY \$23,334 OR \$177 B/W	2014 FORD F150  Loaded, Sync, Running boards, Aluminum Alloy wheels, crew cab, Beautiful truck, 4x4, privacy glass \$34,995 ON SALE NOW \$29,957 OR \$209 B/W	2014 JEEP CHEROKEE LAREDO  4x4, touch screen, command start, push button, heated steering wheel, MUST SEE! satellite radio, heated seats, privacy glass, much more \$38,995 ON SALE NOW \$35,574 OR \$251 B/W

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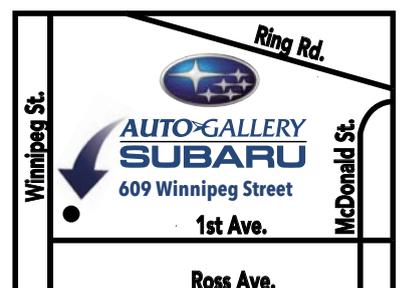
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*MSRP of \$25,995/\$24,995/\$19,995/\$29,995 on 2016 Forester 2.5i (GJ1X0)/2015 Outback 2.5i (FD1 BP)/2015 Impreza (FF120)/2015 WRX. MSRP excludes Freight & PDI of \$1,675/\$1,650/\$1,595. Taxes, license, registration and insurance are extra. \$0 security deposit. Model shown is 2016 Forester 2.0XT Limited AT with technology package (GJ2XTE) with an MSRP of \$37,995/2015 Outback 3.6R Limited Package (FD2 LP6) with an MSRP of \$38,895 /2015 Impreza 2.0i Limited Package with Technology Option (FF2 LPE) with an MSRP of \$29,395. Dealers may sell for less or may have to order or trade. Vehicle shown solely for purposes of illustration, and may not be equipped exactly as shown. See your local Subaru dealer for complete program details. †EyeSight® is a driver-assist system, which may not operate optimally under all driving conditions. EyeSight® is not designed as a substitute for due care and attention to the road. The system may not react in every situation. The driver is always responsible for safe and attentive driving. System effectiveness depends on many factors such as vehicle maintenance, weather and road conditions. Finally, even with the advanced technology activated, a driver with good vision and who is paying attention will always be the best safety system. See Owner's Manual for complete details on system operation and limitations. Impreza, Forester, XC Crosstrek, Subaru, EyeSight, and SUBARU BOXER are registered trademarks. ‡Ratings are awarded by the Insurance Institute for Highway Safety (IIHS). Please visit www.iihs.org for testing methods*Model shown is. Dealers may sell for less or may have to order or trade. Vehicle shown solely for purposes of illustration, and may not be equipped exactly as shown. See your local Subaru dealer for complete program details. See Owner's Manual for complete details on system operation and limitations**. †Ratings are awarded by the Insurance Institute for Highway Safety (IIHS). Please visit www.iihs.org for testing methods.

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2013 GMC YUKON SLE
 5.3L V8, 4x4, CC, OnStar, Rear AC, 23,802 kms
 Stock #SK-U01476



\$42,995

2007 FORD F-150 LARIAT
 5.4L, 4x4, Leather, Remote, Start, Sunroof, 92,897 km
 Stock #SK-U0460



\$20,995

2007 DODGE CALIBER SXT
 2.0L I-4 cyl, 5 Spd Manual, 146,893 km
 Stock #S-S3363B



\$6,995

2004 CHEV TRAILBLAZER
 V6, 4x4, Remote Start, Sunroof, 147,172 km
 Stock #S-2526A



\$10,995

2007 FORD F150 LARIAT 4X4
 BC Unit! 5.4L, Automatic, Black with Black Interior, 57,525 km, AM/FM Stereo, AC, Chrome, Leather, Alloy Wheels, Stock #SK-U0443



\$22,995

2009 CHEV COBALT LT
 2.2L, AC, 107,255 km, Stock #SK-S2754A



\$11,995

2008 CHEV AVALANCHE 1500 LTZ
 4x4, 5.3L V8, Grey with Black Interior, 160,820 km, Navigation, Rear Camera, Sunroof, Automatic, Stock #SK-S3296A



\$18,995

2011 BUICK LACROSSE CXL
 3.6L V6, Heated Seats, Sunroof, 48,836 km, Stock #SK-U01481



\$20,995

2014 DODGE JOURNEY SXT
 3.6L V-6, Backup Camera, 20,812 km
 Stock #SK-U01594



\$26,995

2011 CHEV TRAVERSE 1LT AWD
 3.6L V6, Automatic, Silver, 71,216 km, AC, PL, PW, PM, PS, Stock #SK-U01649A



\$23,495

2012 DODGE RAM 1500 SLT
 4x4 Crew Cab, 5.7L V-8 km, White, 42,279 km
 Stock #SK-U01834



CALL

2006 AUDI A3 2.0T SPORTBACK
 2.4L I-4, Station Wagon, 111,852 km, Stock #SK-U01478A



\$11,995



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VW Carbide Spoon for Common Wedge Systems



VW5FC - 3-1/4" wide, VW6FC - 2-1/4" wide; VW 5 & 6 are for 200 series; VW8FC - 3-1/4" wide, VW9FC - 2-1/4" wide; VW 8 & 9 are for 400 series. Full carbide front and sides - many times the wear of the original.

VW7CC 2 Carbides 3/4" Wide



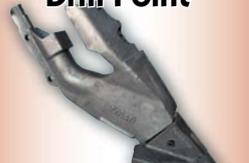
Two carbides on front for considerably more wear. The VW7CC is shown on our very popular C shank opener. The VW14FB has a 3/4" opening where seed comes out. Also shown on the VW14FB is our full carbide paired row - available in 4" and 5". The VW21DSF paired row has 4 carbides on either side. The VW21DSF also fits the Flexi Stealth Opener. The VW7CC Drill Point also fits the Flexi Stealth Opener and Bourgault.

VW10FC 4-1/4" Wide Full Carbide



Two carbides on front and two carbides on both sides. Shown here on our VW14FB C shank opener. Our VW10FC also fits Flexi Stealth and Bourgault. Liquid line easily attached to back of VW14FB and extended down.

VW11FC 3-1/4" Wide Drill Point



Full carbide - two on front and two on both sides. Very popular drill point. Shown on our VW14FB opener. Also fits Flexi Stealth and Bourgault. Liquid line easily attached to back of VW14FB.

VW12FC 2-1/4" Wide Drill Point



Full carbide front and sides. Also fits Flexi Stealth and Bourgault. Shown here on VW14FB opener. Liquid line easily - simply - attached to back of VW14FB. Single shoot drill point.

VW13FC 1-1/2" Wide Drill Point



Our super slim spread point - full carbide front and sides. For producers who want a drill point in between 3/4" wide and 2-1/4" wide. Shown on our VW14FB opener. Liquid line easily runs down back of VW14FB. Also fits Flexi Stealth and Bourgault.

VW18 HDS
 Harmon double shoot seed boot. Carbides protect seed opening.



VWHC1
 Small Harmon point - large carbide.



VWHC2
 Large Harmon point - slides over adapter - bolt head and nut are recessed. Large carbide - long wear.



Morris Double Shoot



VW Morris triple shoot combo - shown on Morris opener. VWM23C - main front point - has two carbides. VW24 side plates have carbide embedded and sold in pairs. VWM25 is the full carbide deflector.

"The VW Manufacturing Morris Double Shoot parts - the VW23M1C main front point with two carbides - the VW24M2C full carbide deflector and the side plates - the VWM25C with carbide all along the wear surface - work great. The VW parts last far longer than original - great job - very durable." Patrick Kunz, Medicine Hat, AB ~ See these three parts shown on the Morris Double Shoot Opener above.



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MOTORS AND EQUIPMENT



JOHN DEERE



2010 CHALLENGER MT645C
240 hp, MFWD, IVT trans.

\$155,900



2013 JOHN DEERE 9510R
510 HP, 900 hrs

\$369,000



2008 SEEDHAWK 6612
66', 400 bus, 2600 gal liquid on frame

\$204,000



2012 JOHN DEERE S670
1350 hrs

\$310,900



2012 MACDON M155
384 hrs

\$149,900



2012 SEEDMASTER SXG550
780', sectional control, 550 bus.

\$247,900



2011 BOURGAULT 3310
66', 7700 cart, MRBs

\$309,000

ATV/GATORS

2012 JD 825i XUV Gator, 582 hrs	\$11,900	(RA)
2014 JD 825i XUV Gator, 73 hrs	\$18,900	(ES)
2013 JD RSX850i Gator, 150 hrs	\$18,800	(ES)

COMPACT UTILITY TRACTORS

2009 JD 2320, loader, backhoe, 179 hrs	\$23,500	(AV)
2006 JD 2305, 573 hrs	\$12,500	(ES)

LAWN & GARDEN EQUIPMENT

Farm King 720 grooming mower	\$1,750	(RA)
2008 Frontier 1072 grooming mower, 6 ft	\$1,900	(AV)
Frontier GM3072 grooming mower, 6 ft	\$2,750	(RE)
Frontier 3 pt disk, 5 ft	\$1,500	(RA)
2010 JD Z245 Zero turn mower, 48" cut, 117 hrs	\$2,500	(ES)
2013 JD Z445 Zero turn mower, 54" cut, 117hrs	\$4,200	(OX)
2013 JD Z445 Zero turn mower, 54" cut, 136hrs	\$4,500	(AV)
2010 JD Z445 Zero turn mower, 54" cut, 528 hrs	\$3,700	(RE)
JD Z465 Zero turn mower, 62" cut, 320hrs	\$4,600	(OX)
2008 JD Z510A Zero turn mower, 48" Cut, 358 hrs	\$4,350	(RA)
2012 JD Z655 Zero turn mower, 54" cut, 383 hrs	\$5,800	(ES)
2013 JD X310 Lawn Tractor, 42" cut, 44" S/B	\$5,500	(RA)
2011 JD X320 Lawn Tractor, 54" cut	\$3,490	(ES)
1995 Kubota T1460 Lawn Tractor, 40" S/B, 42" cut, weights	\$2,500	(AV)

4 WD TRACTORS

2007 JD 9420, duals, 2700 hrs	\$206,500	(RE)
2012 JD 9560R, triples, 770 hrs	\$374,000	(ES)
2012 JD 9560R, triples, PTO, 1585 hrs	\$384,300	(RE)

TRACK TRACTORS

2009 JD 9630T, 2167 hrs	\$232,000	(OX)
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2 WD - MFWD TRACTORS

JD 301A utility, loader, 3 pt, turf tires	\$9,500	(RA)
2003 JD 7320, mfwd, loader, 9750 hrs	\$73,500	(RE)
2007 JD 7520, loader, 8500 hrs	\$87,900	(OX)
1993 JD 7800, duals, 740 FEL, 3 pt, 11800 hrs	\$55,900	(RA)
2010 Challenger MT645C, 240 hp, MFWD, 1193 hrs	\$155,900	(RE)
2002 Case MX135, loader, 6800 hrs	\$58,900	(RA)

COMBINES

(PLEASE REFER TO OUR WEB SITE FOR MORE DETAILS)

2012 JD S670, starting at 975 sep hrs	5 CHOICES	(RE)
2012/2013 JD S680, starting at 550 sep hours	4 CHOICES	(AV)
2012-2015 JD S690, 150 hrs to 850 hrs	9 CHOICES	(OX)
2008-2010 JD 9870STS, starting at 900 sep hours	6 CHOICES	(AV)
2008-2011 JD 9770STD, starting at 800 sep hours	7 CHOICES	(OX)
2007 JD 9860STS, duals, 1525 hrs	\$174,900	(AV)
2007 JD 9860STS, duals, 1451 hrs	\$167,000	(OX)
2005 JD 9760STS, duals, 1934 hrs	\$142,000	(AV)
2005 JD 9760STS, duals, 2750 sep hrs	\$105,900	(RA)
2006 JD 9760STS, duals, 1500 hrs	\$172,000	(AV)
2006 JD 9760STS, duals, 1771 hrs	\$154,700	(OX)
2004 JD 9660STS, 1400 hrs	\$125,900	(RA)
2005 JD 9660STS, 1800 hrs	\$127,000	(AV)
2002 JD 9750STS, singles, 2440 hrs	\$99,900	(ES)
2001 JD 9650STS, 1718 hrs	\$98,500	(OX)
2001 JD 9650STS, 2595 hrs	\$83,000	(RE)
2000 JD 9650W, 1483 hrs	\$97,700	(OX)
2000 JD 9650W, 1800 hrs	\$92,400	(RE)
2001 JD 9650W, 3720 hrs	\$77,800	(RA)
2002 JD 9650W, 837 hrs	\$107,500	(AV)
1999 JD CTSII, 3293 hrs	\$40,000	(RA)
1998 JD 9610, 914 pickup header, 2531 hrs	\$57,000	(RE)
1998 Case 2388, pickup header, 2700 hrs	\$58,400	(RA)
2005 Case 2388, pickup header, 2125 hrs	\$115,900	(RA)

COMBINE PLATFORMS

MacDon PW-7 Pickup headers	\$19,000-\$26,000	(AV)
Precision Pickup headers	\$7,500-\$15,000	(RA)
2005-2011 JD 635 Flex, good selection, some with air reels	\$29,500-\$39,900	(AV)
2012 JD 640FD, flex draper	\$86,100	(RA)
2010-2011 JD 640D, 40' draper, several to choose from	CALL	(AV)
2009-2011 JD 635D, 35' drapers, several to choose from	CALL	(AV)
2002 JD 936D, 36' draper	\$22,000	(RA)
1990-1997 JD 930R, 30' rigid, bat & pickup reels available	\$5,000 & up	(RA)
2012 MacDon FD75, 45' flex draper	\$80,400	(ES)
2009 MacDon FD70, 40' flex draper	\$61,900	(RA)
2009 MacDon FD70, 35' flex draper	\$59,900	(ES)
2010 MacDon D60, 40'	\$48,900	(RE)
2010-2011 MacDon D60, 45', transport	\$58,900-\$69,000	(ES,RE)
2013 MacDon D65, 40', transport	\$87,800	(OX)
1990 MacDon 960, 36', JD adapter	\$8,100	(ES)
1994 MacDon 960, 36', bat reel, transport	\$7,500	(ES)
1996 MacDon 960, 36', CIH adapter	\$7,500	(RE)
1998 MacDon 960, 36', pickup reel	\$10,100	(RA)
2002 MacDon 962, 30', JD adapter	\$12,800	(RE)
2004 MacDon 973, 36', JD adapter	\$25,900	(ES)
1998 Shelbourne CX84, 30' stripper header	\$22,000	(RA)

GRAIN HANDLING EQUIPMENT

2009 Brandt 13x70HP grain auger	\$12,900	(OX)
2011 Brandt 13x90HP grain auger	\$20,500	(ES)
2012 Brandt 13x70HP grain auger	\$17,700	(OX)
2013 Brandt 13x40 pto load out auger, mover, new	\$17,600	(AV)
2004 Brandt 13x70XL grain auger	\$12,900	(ES)
2005 Brandt 13x70XL grain auger	\$9,900	(RE)
2009 Brandt 13x90XL grain auger	\$16,900	(RA)
2005-2013 Brandt 1545LP conveyors	\$13,900-\$22,700	(ES)
2010 Brandt 1585 conveyor	\$22,500	(ES)
2008 Westfield MKP130-111 grain auger	\$16,500	(OX)

2010 Sakundiak HD8x1400 grain auger w/mover	\$11,000	(RE)
2013 Sakundiak TL10-1000 grain auger, 36 hp Kohler & mover	\$16,900	(AV)
2009 Sakundiak 10x1200 grain auger	\$13,400	(ES)

GRAIN CARTS

2009 Brent 1594	COMING	(RA)
2013 Brent 2096, tires, full load	\$133,900	(AV)
1998 Degelman 800	\$22,000	(RE)
2005 Degelman 800, tarp	\$29,000	(RA)

SPRAYERS

2003 JD 4710, 5100 hrs	\$104,000	(RE)
2010 JD 4830, 1430 hrs	\$245,000	(AV)
2007 JD 4930, Raven auto boom, 2001 hrs	\$214,900	(AV)
2009 JD 4930, 1412 hrs	\$265,500	(AV)
(2) 2011 JD 4930, 1800-2000 hrs	\$262,000-\$281,000	(AV)
(6) 2012 JD 4940, 596-1491 hrs	\$332,000-\$369,000	(AV,ES,RA)
2013 JD 4940, 642 hrs	\$369,000	(OX)
2008 Case 4420, 2340 hrs	\$242,000	(ES)
1997 AG CHEM 854, 100 ft boom, 3850 hrs	\$59,900	(RA)
2013 RoGator RG1300, 440 hrs	\$356,000	(RA)
1996 Spray Coupe 3630, 80', 2500 hrs	\$32,000	(ES)
2006 NH SF115 pull type, suspended boom	\$24,900	(AV)
2005 Brandt SB4000, suspended boom	\$22,000	(RA)
2002 Spray air SB3400 pull type, suspended boom	\$15,000	(ES)

TRACTOR BLADES

Degelman 7900, 16', 6 way, Case steiger 500 mounting	\$35,900	(AV)
Leon 3530, 14' 6 way, JD 7200 mounts	\$24,000	(AV)

HAYING EQUIPMENT

2001 JD 1600A mower conditioner	\$11,900	(RA)
1998 MacDon 910 14' hay header	\$13,200	(RE)
1999 MacDon 920 16' hay header	\$12,900	(RE)
1994 JD 535 round baler	\$5,000	(RE)
2011 JD 568 round baler, surface wrap	\$35,900	(OX)
2006 New Holland BR780 round baler, twine	\$10,900	(ES)
2003 New Holland BR780 round baler	\$10,000	(RA)
2002 New Holland BB940 square baler	\$27,900	(RA)

SP WINDROWERS

2011 JD A400, 36' header, 312 hrs	\$110,000	(AV)
2012 JD A400, 36' header, 302 hrs	\$122,900	(RE)
2011 JD D450, 40' header, 780 hrs	\$137,900	(AV)
2012 JD D450, 40' header, ATU, hyd rollers, low hours	\$142,900	(AV)
2004 JD 4895, 36' header, 1985 hrs	\$75,400	(RE)
2008 JD 4895, 36' HoneyBee, 1958 hrs	\$82,600	(RE)
2009 MF 9430, 30' header, 1820 hrs	\$72,700	(RA)
1990 Versatile 4750, 30' header	\$12,900	(ES)
2010 MacDon M150, 35' header, 1380 hrs	\$115,900	(RA)
2012 MacDon M155, 40' header, 280 hrs	\$149,000	(OX)
2001 MacDon 2952, 30' header, 2800 hrs	\$52,700	(RE)
2002 MacDon 2952, 30' header, 3500 hrs	\$55,700	(RE)

SEEDING EQUIPMENT

60' JD DB60, 36 row corn planter, 20" rows, 2008	\$161,000	(ES)
45' JD 1820/1900, 10', 340 bus cart, 1998	\$51,000	(AV)
60' JD 1820/1900, 430 bus cart, 1999	\$58,000	(AV)
45' JD 1820/1900, 10', arm, rubber packers, 2002	\$63,900	(RA)
60' JD 1820/1910, 10' spg, ss, arm, rubber press, 430 bus thb cart, 2003	\$76,900	(AV)
52' JD 1820/1910, 10' spg, steel pkrs, ss, 350 bus TBH tank, 2003	\$64,900	(AV)
60' JD 1820, 10' spg, arm, stl pkrs, 2009 430 bus 1910, 2006	\$108,900	(AV)
56' JD 1870, 430 tank, 2011	\$221,000	(RE)
56' JD 1870, 550 b tank, 2014	\$307,000	(ES)
42' JD 1895/1910, 430 bus thb tank, 2003	\$91,900	(RE)
42' JD 1895/1910, 430 bus thb cart, 2004	\$107,900	(OX)
76' Bourgault 3310, 76 ft, double shoot, Agtron monitors, 2010	\$159,000	(AV)
66' Bourgault 3310/7700, loaded, 2011	\$309,900	(RA)
66' Bourgault 3310/6550, 2010	\$245,900	(RE)
65' Bourgault 3320/6550, 2012	\$333,900	(RE)
65' Bourgault 3320/6550 (3 choices), 2013	\$339,900	(RE)
Bourgault 4350 seedcart, 1997	\$20,000	(AV)
Bourgault 4350 seedcart, 1999	\$20,000	(OX)
Bourgault 5350 seedcart, 2003	\$29,000	(OX)
53' Bourgault 5710 w/6450 cart, 2001	\$98,000	(AV)
53' Bourgault 5710 w/5200 tow between tank, 2003	\$61,500	(RA)
50' Bourgault 5710, 4300 cart, 2003	\$77,400	(ES)
60' Bourgault 5710, 5440 cart, 2005	\$96,500	(RE)
60' Bourgault 5710, 6550 cart, 2005	\$119,900	(RE)
40' Bourgault 8810, 3225 tank, MRB, 1999	\$30,000	(ES)
40' Bourgault FH36-42, 3195 tank	\$16,000	(OX)
40' Flexi-Coil 5000, 2320 tank, 1994	\$20,000	(ES)
40' Flexi-Coil 5000, 2320 tank, 1994	\$20,000	(RA)
33' Flexi-Coil 5000, 1330 tank, NH3 kit, 1997	\$20,000	(RE)
57' Flexi-Coil 5000, 3450 tank, 1997	\$20,000	(RE)
66' Seed Hawk 6612, 400 bus, 2600 liquid tank, 2008	\$204,000	(RE)
70' SeedMaster SXG550, 12" spacing, double shoot, sectional control, 550 bus cart, 2012	\$247,900	(ES)
70' SeedMaster TXB70-12, 12", JD 550 cart, 2009	\$279,000	(RA)

MISC EQUIPMENT

1993 Inland DA92, 92" 3pt snowblower	\$1,900	(ES)
2005 Schulte 9600, 96", 3 pt snowblower	\$4,900	(AV)
2000 Highline 7000 bale processor	\$7,000	(RA)
Highline 8000 bale processor	\$8,900	(RE)
2013 FreeForm PT2000 pulltype swath roller	\$3,500	(ES)



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JOHN DEERE

**2014
JD 9560RT**

\$471,800

1193 hrs, 2630 Greenstar 3, SF1 receiver, JDLink, Deluxe Cab CommandView II, 5 remote cyl hi flow, HID lights, tow cable.
St. #0904118A (MM)



**2014
JD 9510R**

\$469,300

560 hp, 1148 hours, w/2012 Degelman 7900 18' blade w/silage rack, 2630 Greenstar, SF1 activation, JDLink, 800/70R38.
St. #0012692A (M)



**2013
JD 9460R**

\$432,800

460 hp, 346 hours, JDLink, hi flow hyd sys, 710/70R42, HID lights, premium cab.
St. #0007920A (R)



**2010
JD 9630T**

\$260,800

530 hp, 4341 hours, deluxe comfort pkg, 1000, Deluxe track pkg Cat 5 DB, 36" Durabilt 5500.
St. #0912307A (R)



**2012 JD 7230R
w/H480 Loader**

\$229,900

2730 hrs, MFWD, 710/70R42, JDLink, 600/70R30, 4th remote, Premium cab, w/2011 JD H480 loader.
St. #0005462A (MM)



**2003 JD 6420
w/640 Loader**

\$65,500

5392 hours, MFWD, air cond, trans - Infinitely variable, 3 hyd outlets.
St. #0370899A (MM)



TRACTORS

- (4) 14 JD 9560R, 562 hrs up, 800/70R38, JDLink, 18/6 powershift \$468,000 up (M)
- 14 JD 9560RT, 1193 hrs, 18/6 powershift, 2630 display, 36" track \$471,800 (MM)
- 14 JD 9510R, 1175 hrs, 800/70R38, w/2012 Degelman 18' blade \$469,300 (M)
- 13 JD 9460R, 346 hrs, 710/70R42, JDLink, 18/6 powershift, premium \$432,800 (R)
- 14 JD 9510R, 1505 hrs, 800/70R38, JDLink, 18/6 powershift \$405,400 (MJ)
- 12 JD 9560RT, 1443 hrs, 18/6 powershift, AJ hitch, deluxe CommandView \$400,200 (RM)
- 11 JD 9630T, 980 hrs, diff lock, 520/85R46, deluxe comfort \$345,100 (MM)
- 11 JD 9430, 2389 hrs, Greenstar, SF1, diff lock, 800/70R38 \$289,700 (R)
- 10 CIH 535 QuadTrac, 4200 hrs, JD Greenstar & AutoTrac, HID lights \$277,300 (MJ)
- 10 JD 9630T, 530 hp, 4341 hrs, 1000 pto, deluxe comfort, 36" track belt \$260,800 (R)
- 14 JD 7210R, 1091 hrs, 710/70R38, MFWD front axle, JDLink \$232,500 (M)
- 12 JD 7230R, MFWD, 2730 hrs, JDLink, 710/70R42, w/H480 SL loader \$229,900 (MM)
- 14 JD 6190R, 890 hrs, MFWD, JDLink, 480/70R30, w/H380 loader \$222,700 (M)
- (2) 14 JD 6150R, MFWD, 877 hrs up, deluxe cab, w/H360 loader \$181,100 up (M)
- 14 JD 6140R, 1076 hrs, MFWD, w/2014 JD H360 FEL, 520/85R38 \$168,900 (M)
- (2) 14 JD 6125R, 551 hrs up, MFWD, 460/85R38, w/2014 JD H340 loader \$146,500 up (M)
- 02 JD 9320, 5076 hrs, diff lock, 4 scvs, 710/70R42, 24/6 manual shift \$137,500 (A)
- 09 JD 7330, MFWD, 4500 hrs, w/741 loader, grapple \$118,900 (R)
- 11 JD 7230, MFWD, 4300 hrs, 480/80R38, w/JD740 loader \$113,100 (MM)
- 96 JD 8870, 6600 hrs, w/Deg 6600 14' blade, diff lock, 710/70R38 \$99,100 (RM)
- 00 JD 9400T, 7687 hrs, 24/6 manual shift, 30" tracks, 4th remote \$91,900 (W)
- 08 NH T6030 Plus, 2541 hrs, 3rd hyd outlet, MFWD, 16/16 autoshift \$71,000 (W)
- 03 JD 6420, 5392 hrs, MFWD, w/640 loader, 3 hyd outlets \$65,500 (MM)
- 10 JD 5095M, 1319 hrs, MFWD, w/563 SL loader, 18.4R30 \$63,700 (R)

SEEDING

- 12 SeedMaster 80-12TXB w/Nova 780 cart, sect control, pro canola rollers \$304,100 (M)
- 13 SeedMaster 74-12TXB w/2014 JD 1910 - 550 bu 3 tank, JD towers \$300,300 (M)
- 12 Morris Contour C2 70' 12" spac, double shoot, 9 run, w/Morris 8650 TBT cart \$238,900 (RM)
- 07 SeedMaster 80-14, double shoot, w/2011 Bourgault 6550 tank, smart hitch \$221,500 (W)
- 07 SeedMaster 66-10TXB, smart hitch, liquid kit, w/2005 JD 1910 430 bu \$202,600 (A)
- 09 SeedMaster 64-12TXB, 300 bu fert/300 bu seed, UltraPro Canola \$192,200 (R)
- 12 SeedMaster 66-12TXB, 40 bu rear Ultra Pro canola, Pattison liquid kit \$177,400 (RM)
- 08 SeedMaster 88-14TXB, Bourgault double shoot sys, Raven rate control \$149,600 (R)
- 08 SeedMaster 64-12 TXB, dual castors, lift kit, F/C tow behind AP \$149,400 (W)
- 10 Bourgault 5710, 63.8', 9.8" spac, single shoot, w/6350 TBT tank \$119,700 (RM)
- 06 SeedMaster 66-12, double shoot, pneu packers \$116,900 (W)
- 08 Seed Hawk 66-12, Agrtron block, Bourgault air pack \$116,400 (A)
- 09 JD 1830, 50', w/JD1910 - 350bu, double shoot, variable seed fert rate control. \$101,000 (R)
- 98 Bourgault 5710, 54', 9.8" spac, VR liquid kit, w/Bourgault4350 air cart, double shoot \$50,000 (R)
- 01 JD 1820, 53', 10" spac, single shoot, Dutch side band open, liquid distribution \$18,900 (W)

SPRAYERS

- (2) 15 R4045, 120', 419 hrs up, AutoTrac, JDLink, section control, 800/55R46R1 \$540,500 up (M)
- 14 JD 4940, 679 eng hrs, 120', 620/70R46 float \$410,600 (M)
- 13 JD 4940, 766 hrs, 120', 380/105R50, 20" nozz, BoomTrac 5 sensor \$402,500 (W)
- (2) 12 JD 4940, 120', section control, 380/105R50, 20" nozz space \$348,250 (R, W)
- 14 JD 4730, 100', SF3000, JD Link, 380/90R46, 520/85R38 float \$317,500 (RM)
- 13 JD 4730, 100', 641 eng hrs, section control, crop dividers \$293,300 (R)
- (3) 13 JD 4830, 100', 902 hrs up, Starfire 3000, AutoTrac, JDLink \$284,750 up (RM, S)
- (2) 12 JD 4830, 100', 1134 eng hrs up, 20" nozz \$276,400 up (MJ, R)
- (3) 11 JD 4930-120', 1657 eng hrs up, 5 sensor BoomTrac \$239,500 up (M, MJ, W)
- 10 JD 4930, 120', 1642 eng hrs, 20" nozz, section control \$247,800 (A)
- 09 JD 4930, 120' 2302 eng hrs, 1200gal, 20" nozz, SF2 AutoTrac \$215,650 (R)
- 10 JD 4730, 120', 1987 hrs, deluxe cab, Raven Boom height control, 520/85R38 \$215,300 (R)
- 07 Spra-Coupe 7650, 90', JD ATU, greenstar 1800, Raven Rate/AutoBoom \$108,750 (S)

COMBINES

- (5) 15 JD 5680, 252 hrs, GS3 2630, JDLink, HarvestSmart, 650/85R38 \$518,500 (MJ)
- (5) 14 JD 5690, 500 hrs, prem cab, 650/85R38, pro drive trans w/HarvestSmart \$484,000 (W)
- (4) 13 JD 5690, 203 hrs up, GS3 2630, JDLink, Pro Drive HarvestSmart \$443,800 up (R, W)
- (5) 14 JD 5670, 300 sep hrs up, 520/85R42, GS 3, JDLink \$412,600 up (M)
- (3) 13 JD 5680, 538 hrs up, GS3 2630, Pro Drive HarvestSmart, 650/85R38 \$404,500 up (M, MJ)
- (9) 12 JD 5680, 566 hrs up, JDLink, 520/85R42, premium cab \$367,900 up (A, M, MM, R, S)
- (5) 13 JD 5670, 600 hrs up, GS2, JDLink, 520/85R42 \$351,500 up (M, MJ)
- 13 JD T670, 300 hrs, Greenstar, 900/55R32, JDLink, premium cab \$338,400 (M)
- 12 CIH 8230, 900 hrs, w/3016PU header, 620 70R/42 duals, NavII guide \$333,500 (W)
- (4) 12 S670, 220 hrs up, JDLink, GS3, AutoTrac \$329,000 up (A, M, MM, R)
- 12 CIH 8230, 604 sep hrs, auto guide NavII, 750/65R26, 3016 PU plat \$317,800 (R)
- 12 JD T670, 1270 sep hrs, 800R32-172, premium cab, dual range cyl \$260,400 (A)
- 11 JD 9870 STS, ProDrive HarvestSmart, 520/85R42, performance plus \$256,000 (R)
- 08 JD 9870 STS, 964 hrs, 520/85R42, powercast residue mgnt, premier cab \$244,500 (A)
- 10 NH CR9080, 868 hrs, Trimble Pilot, duals, w/2011 MacDon PW7 header \$240,500 (R)
- 11 NH CR9070, 739 hrs, Trimble Pilot, 520/85R42, w.NH 76C-14' PU header \$240,200 (RM)
- 09 JD 9870 STS, 1244 hrs, Contour Master, Michels topper, 20.8R42 \$239,000 (R)
- 09 JD 9770 STS, 941 hrs, deluxe header control, 520/85R38 \$229,000 (S)
- 08 JD 9770 STS, 1480 hrs, 800/65R32, high cap feeding, Contour Master \$206,200 (A)

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2013 IH PROSTAR



500 HP Maxx 15, 18 sp, 14 front 40 rear, 22.5" alloy wheels, 4x4 diff. locks, 240" WB, 3:70 gears, 365,000 km.

\$45,000

2013 KENWORTH T800



500 HP Cummins ISX, 18 sp Eaton Ultrashift, 12 front super 40 rear, 4x4 diff. locks, 4:10 gears, 22.5" alloy wheels, 194" WB, 201,183 km.

\$89,000

2010 KENWORTH T800



525 HP Cummins ISX, 18 sp, 12,000 front 46,000 rear, 3:91 gears, 24.5" alloy wheels, 4x4 diff. locks, 220" WB, 1,050,188 km.

\$59,000

2011 WESTERN STAR 4900FA



500 HP Detroit DD15, 13 sp, 12/40, 244" WB, 22.5" alloy wheels, 3:70 gears, 3x4 diff. locks, 738,753 km.

\$62,000

2010 WESTERN STAR 4900FA



515 HP Detroit, 13 sp, 12/40, 22.5" alloy wheels, 244" WB, 373 gears, 3x4 diff. locks, 744,056 km.

\$55,000

2012 KENWORTH T800



500 HP Cummins ISX, 18 sp, 12 front super 40 rear, 410 gears, 4x4 diff. locks, 22.5" alloy wheels, 222" WB, 638,090 km.

\$65,000

2013 IH PROSTAR



500 HP Maxx 15, 18 sp, 12/46, 22.5 alloy wheels, 3:58 gears, 4x4 diff. locks, 228" WB, 399,869 km.

\$45,000

2013 MACK CXU613



445 HP MP8, 18 sp, 12/40, 4x4 diff. lock, 3:55 gears, 22.5" alloy wheels, 224" WB, 709,698 km.

\$65,000

2005 KENWORTH T800



475 HP Cummins ISX, 13 sp, 12/40, 4x4 diff. locks, 3:70 gears, 22.5" alloy wheels, 188" WB, wet kit, 1,096,246 km.

\$35,000

2011 FREIGHTLINER CASCADIA



500 HP DD15, 18 sp, 12 front super 40 rear, 4:10 gears, 4x4 diff. locks, 196" WB, 22.5" alloy wheels, 412,744 km.

\$65,000

2012 PETERBILT 388



450 HP Cummins ISX, 18 sp, 12/40, 70" bunk, 3x4 diff. locks, 3:70 gears, 22.5" alloy wheels, 244" WB, 799,741 km.

\$79,000

2007 PETERBILT 379



475 HP Cat C15, 18 sp, 12 front super 40 rear, 3:73 gears, 4x4 diff. locks, 22.5" alloy wheels, 240" WB 48" bunk, 986,840 km.

\$65,000

2007 WESTERN STAR 4900FA



450 HP Mercedes MBE4000, 10 sp Eaton Autoshift, 12/40, 22.5" alloy wheels, New 20' Canade grain box, remote shute and hoist, 1,287,500 km.

\$60,000



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\$155,000



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- Heavy duty ribbed tank
- Lifting lugs
- One 3" Banjo bolt on bulk head with siphon tube
- Color options black, white or blue

SALE

Reg \$2520

\$2100



**5000
U.S Gal**

Standard options

- 10 Year ltd. warranty
- Heavy duty ribbed tank
- Two 3" Banjo bolt on bulk head with siphon tube (Fill/discharge and recirculation)
- Lifting lugs
- Color options black, white or blue

SALE

Reg \$3700

\$2900



**6000
U.S Gal**

Standard options

- 10 Year ltd. warranty
- Heavy duty ribbed tank
- Two 3" Banjo bolt on bulk head with siphon tube (Fill/discharge and recirculation)
- Lifting lugs
- Color options black, white or blue

SALE

Reg \$4400

\$3400



**11,000
U.S Gal**

Standard options

- 10 Year ltd. warranty
- Heavy duty ribbed tank
- Two 3" Banjo bolt on bulkhead with siphon tube (Fill/discharge and recirculation)
- Mushroom vent • 22" lid • Lifting lugs
- Color options black or white

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GETAWAY IN MESA, AZ., 12x52 mobile home in a gated park, fully furnished, c/w 52' carport and small tool shed, all in good condition and ready to move in to, if you're in Arizona - come check it out! Absolutely no snow to shovel or ice to slip on! \$4000. 480-656-8614 or 306-858-7170.

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SPECTACULAR RIVERFRONT Property-Kamloops. 124 fenced acres, extensive frontage along the North Thompson river only 7 minutes to shopping and schools in Westsyde. 85 acres of irrigated, fertile crop land, 25 acres of irrigated pasture. Mostly level, white sand beach, treed along the river. Mobile home, hay shed and corrals. Fenced and cross fenced. Call Julieanne, Best-West Realty- Kamloops, BC. 250-571-0355. ja-brown@shaw.ca

ALBERTA 6132

LAND OPPORTUNITY: 1) 70 acres development property west of Lloydminster. 2) Brand new feedlot and cattle headquarters, approx. 2000 head cap., attached to 2700 acres of cattle country, West of Edmonton. 3) 960 acre rolling pasture, great hunting, will carry approx. 180 cow/calf pairs, \$37,850 surface lease revenue. West of Leduc. 4) 6800 acre ranch north of Smoky Lake, 2 modern homes, \$30,000 surface lease revenue. 5) 800 acres prime property just west of Edmonton, north of Cougar Creek Golf Course and South of Alberta Beach. 6) Deluxe recreational quarter west of Caroline. Fronts on Clearwater River. Call Don Jarrett, Realty Executives Leading, 780-991-1180, Spruce Grove, AB.

ID#1100421 POLLOCKVILLE: 9920 acre ranch near Pollockville, AB all in one block! 7680 acres grazing lease; 2240 acres deeded (half grass, half cult). Annual Surface Revenue of \$27,000. Has an older set of buildings. **ID#1100453 COALDALE:** Established modern feedlot, built with future expansion in mind. Current capacity: 5,000 beef feeders with NCRB permit for a further 1,000 head plus composting area. Well landscaped with lagoons and newer water reservoir, c/w 3 homes, quonset, approx. 537 acres irrigated and 488 SMRID Water Rights. **ID#1100391 MEDICINE HAT:** Good pivot irrigated farm. Turnkey operation with 1500 head feedlot and total of 1100 acres pivot irrigation. Total of approx. 225,000 bu. grain storage, a home, shop and 8 pivots (6 are on elec. pumps and 2 on natural gas). Soil mainly #1 and 2. **Real Estate Centre, 1-866-345-3414.** For all our listings view www.farmrealestate.com

FOR SALE BY OWNER: 5200 ACRE RANCH in east central AB. Ranch yard 1/2 mile off pavement, shelterbelts, 1400 sq. ft. bungalow, 2 car garage, 40x80' shop, 2 barns, 20,000 bu. grain storage, abundance of water, 500 head feedlot w/w/ce ment feed bunks. All working corrals and feed alleys are pipe construction. Situated 3 miles from school K-12. Excellent community. Great neighbors. The ranch (except for 3 quarters of cult. land) is in 1 piece bordering north side of Hwy #12, 43 kms east of Consort, AB. There are no roads or obstacles dissecting this entire area. The ranch hosts a good mix of prairie, developed grass and silage acres. 8 mi. of water pipeline, from a well, services pastures w/tire water troughs at 14 locations. Rolling landscape with aspen and willow shelter is abundant in all areas. Lanes lead into the ranch yard from all directions, making easy cattle gathering. This is a rare opportunity to purchase a well developed, well maintained and functional ranch that requires low labor operation. 403-552-2191, cell 780-753-1959.

COUNTY VERMILION RIVER, 2 quarters land for sale NE of Marwayne. Tender to close December 15, 2015. Contact Vern McClelland, Associate Broker, Re/Max Lloydminster, 306-821-0611, Lloydminster. Details at www.campbelltender.ca

PRESENT OWNER WANTS to sell land and lease back for 3 to 5 years at \$40/acre. Would pay lease in advance. Also land has huge industrial potential. For more info call C.J. at 250-784-6900.

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SASKATCHEWAN 6133

FARMLAND FOR RENT Elstow/Colony Area. Large grain farm in excellent producing area. 54.5 quarters, RM 342, 343. Divided into 7 separate mainly contiguous land blocks of various sizes. Requesting cash rental offers up to Dec. 15, 2015, for all combination or separate blocks individually. Steel grain storage can also be made available for rent. Highest or any bid not necessarily accepted. To request more information contact Rene Poelzer, email: poelzer@rfnow.com or call cell 306-745-7018.

HOME QUARTER, 158 acres, 40 acres fenced to grass, 118 cult., RM Leroy #339. Features shop, barn, 2000 bu. grain bin, round pen, corrals, water bowl, dugout and well. 1184 sq. ft. fully renovated house with many extras in a mature yard. \$610,000. For more info. and pics call 306-231-6940, 306-231-6938, Lanigan, SK

RM OF PRAIRIEDALE. 3 quarters grain land, 7500 bu steel bin storage, 1 gas well. \$599,900. Tom Neufeld, Coldwell Banker ResCom Realty, Saskatoon 306-260-7838.

RM BUCHANAN #304, SE-34-33-6-W2, 160 acres, 135 cult., 8000 bu. storage, \$180,000 OBO. 306-547-3364, Preeceville

FARMLAND FOR SALE BY TENDER. RM of Flett's Springs No. 429. Accepting tenders to purchase the following agricultural property: Parcel #133023912, SE-04-44-21-W2, 157.750 title acres, (119 cultivated) Assessment 96,500; Parcel #133022696, SW-09-44-21-W2, 160 title acres. (140 cult.), Assess. 127,800; Parcel #132839961, NE-17-44-21-W2, 159 title acres (125 cult.), Assess. 101,500; Parcel #132863474, NW-17-44-21A-W2, 160 title acres (130 cult.), Assessment 100,700. Tender Requirements: Tenders will be accepted on each parcel or on all the parcels as a single unit. Highest or any tender will not necessarily be accepted. Tenders must be received by **12:00 noon on January 4, 2016.** Balance of the purchase price must be paid by February 4, 2016. Tenders will be accepted by email or by postal mail. Email: diana10@telus.net Postal mail to: Diana Rans, 65 Martin Crossing Court NE, Calgary, AB. T3J 3P3.

MINERAL RIGHTS. We will purchase and/or lease your mineral rights. 1-877-269-9990. cndfree@telusplanet.net

WANTED

GRAIN LAND TO RENT, 25 mile radius of Rouleau, SK. Call 306-776-2600 or email: kraussacres@sasktel.net

LOOKING FOR LAND w/Aggregate Potential In Saskatchewan Call POTZUS LTD. Phone: 306-782-7423 Fax: 306-786-6909 Email: info@potzus.com

RM 273 SLIDING HILLS, one quarter farmland, SW-25-30-01-W2, 155 cult. acres, stone free. 306-542-3125, Kamsack, SK.

RM 225: IRRIGATION potential! Approx. 800 acres of grainland which can be irrigated from the South Sask. River according to the owner. Excellent opportunity to own irrigated land. John Cave, Edge Realty Ltd., 306-773-7379. www.farmsask.com

RM OF GRANT #372, 30 miles east of Saskatoon off Hwy #5. SE 29-37-28-W2, 153 acres, 82 cult. 54,700. assessment. MLS#556060 \$152,000. Garry Frie, Royal LePage Saskatoon, SK. 639-480-7254

LAND FOR SALE RM Buchanan: NE-24-32-5-W2, 109 cult. acres. NW-24-32-5-W2, 101 cult. acres, power, 3 air bins, 3 steel bins. NW-25-32-5-W2, 133 cult. acres, machine shop, 2 steel bins. SW-19-32-4-W2, 131 cult. acres. 306-563-7455 or 306-563-7534

RM DOUGLAS, 6 quarters; RM Meeting Lake, 1 quarter. High assessed grain land, incl. beautiful house, quonset and 32,000 bushel grain storage. MLS 540308. **RM Viscount,** 10 quarters. Farm with 2 houses, 2 quonsets and machine shed, 60,000 bu. grain storage. MLS 553191. Realty Executives, Mike Janostin, 306-481-5574, mikejanostin@realtyexecutives.com

WANT TO RENT: Farmland in RM of Grandview #349, RM of Reford #379, or RM of Biggar #347. 306-948-7807, Landis, SK.

SASKATCHEWAN 6133

FARM BOY REALTY Guy@1-306-434-8857 Garry@1-306-434-8857 Moosomin Sask.

LOOK AT THESE GREAT SASKATCHEWAN FARMS FOR SALE!

- MLS #553524 **2221 acre** grain farm RM 94 south **Kipling** with excellent bin yard, sheds and house. Additional 5/4's available for rent. \$3,500,000
- MLS #542882 **4259 acre** grain farm, **F and G soil, good Dirt! Wapella Sk.** #1 hwy 30 KM W Man-Sask border \$1400 per cult acre. \$5,200,000
- MLS#540362 **1418 cult. Good yard, House, Bins.** Flat clay loam land \$1400 cult acre located 25 km northeast of **Estevan Sask.** Oil revenue negotiable.
- MLS #547073 **1748 acre** grain farm RM 124 west of **Kipling**, good bin yard and sheds, no house. Good G & H land. \$2,200,000

Full listings at www.farmboyrealty.com Put a Farm Boy to work for you today!

FOR SALE BY TENDER: RM Chesterfield #261. NW-15-27-25-W3, assess 55,600, 145 acres, taxes \$311; NE-17-27-25-W3, assess 75,000, 159 acres, taxes \$552; NW-15 is seeded to Alfalfa. RM Newcombe #260. NW-6-27-24-W3, assess 73,200, 155 acres, taxes \$550; SW-6-27-24-W3, assess 72,100, 150 acres, taxes \$542; NW-10-27-23-W3, assess 76,200, 158 acres, taxes \$572; NE-10-27-23-W3, assess 83,500, 145 acres, taxes \$627; SW-10-27-23-W3, assess 62,200, 143 acres, taxes \$467; NW-11-27-23-W3, assess 45,300, 130 acres, taxes \$340. Conditions of Offers: 1) Highest or any offers not necessarily accepted. 2) Offers acceptable on any or all parcels. 3) Persons submitting offers must rely on their own research, inspection of land and improvements as to conditions and no. of acres. 4) Deposit cheque for 5% of the offered amount must accompany the offer. Cheque made payable to **Edge Realty Ltd.** (cheques will be returned to unsuccessful bidders). 5) No offers will be considered which are subject to financing. 6) Tenders close at **3:00 PM on December 18, 2015.** 7) Steel Grain Bins are to be included in Tender. 3 bins on NE-10-27-23, 4 bins on SW-6-27-24. 8) Please forward all bids and inquiries to: Brad Edgerton, Edge Realty Ltd., Box 1324, Kindersley, SK, S0L 1S0. Call 306-463-4515. Email: brad@edgerealty.ca

-WANTED- SASKATCHEWAN FARMLAND

TED CAWKWELL AGRICULTURE SPECIALIST "An expert in the field." (306)327-7661 www.tedcawkwell.com **RE/MAX BLUE CHIP REALTY**

RM CANWOOD #494: 1202 acres mainly in a block with approx. 660 acres of tame pasture, the balance bush and natural opening. Part of the water supply is Shell River and dugout and natural sloughs. Also some harvestable timber, as well as a possibility of gravel supplies. Buyers to do their own gravel testing at their cost. MLS# 549473. Mainly 4-wire fencing with smaller posts. To view call Lloyd Ledinski, Re/Max of the Battlefords, 306-446-8800, 306-441-0512, North Battleford, SK.

RM WALPOLE 92, 320 acres, W-1-2-13-12-33-W1, approx. 200 acres broke, \$300,000 OBO. 306-435-2640, Moosomin, SK.

SASKATCHEWAN 6133

BESIDE REGINA, SK: Three acre property/house/greenhouses; Near Pilot Butte, 80 acre development land; RM Edenwold, 960 acre farm near Regina, home quarter can be purchased separately; 160 acre on Hwy #1, 4 kms East of Balgonie, development; 90+ acres, Hwy #11, 7 miles North of Saskatoon, development; RM Edenwold, 160 acres, home and buildings within 1/2 hour from Regina; RM Perdue, 2 quarters West of Saskatoon on Hwy #14. Call Brian Tiefenbach 306-536-3269, Colliers Int., Regina, SK. www.collierscanada.com

FARMLAND FOR SALE: RM Torch River #488, 2 quarters: NE-18-53-15-W2, NW-18-53-15-W2, approx. 232 acres under cultivation, 212 recently farmed. Soil type H, assessed value 115,800, asking \$175,000. For more info call 306-343-1091 or 306-230-0037. Please submit offers to: robert.lucas@usask.ca Closing date January 9, 2016. Highest or any offer not necessarily accepted.

Acres of Expertise. HAMMOND REALTY Saskatchewan's Ag Real Estate Professionals. **KEVIN JARRETT** Email: Kevin.Jarrett@HammondRealty.ca Cell: 306.441.4152 Fax: 306.477.1268 Website: KevinJarrett.HammondRealty.ca Selling Saskatchewan Farms since 2002 Company Website: HammondRealty.ca

RM OF CUT KNIFE #439. 471 acres of prime hunting land; 2 quarters are fenced with 8 ft. game fencing. Real hilly and fair amount of bush. Plus a creek runs through the property. Also has two mobile homes: one for staff and the other for hunting guest. A small air strip for experienced pilots only. This is a hunter dream spot and only 40 miles from North Battleford, SK. MLS#555373. For further information call: Alan Somer/Lloyd Ledinski 306-446-8800, 306-441-0512, or 306-441-1596.

DWEIN TRASK REALTY INC., St. Benedict south, 325 acres of 32-40-24-W2 with grain storage, very good 2 storey house just complete with \$100,000 renos! Barn and extensive corrals. **Net price \$699,900!** Ph Dwein Trask 306-221-1035.

FOR SALE: RM ST. PETER, SW and NW-27-39-19-W2. Includes yardsite w/50x60' arch rib shop and tools, total grain bin capacity of approx. 113,000 bu., well, dugout, natural gas outlet for grain dryer, 1950's house, car and truck sheds, 40x60' steel quonset, approx. 220 cultivated acres. \$830,000. Up to 9 additional nearby quarters may be purchased as well. 306-874-5554, 306-874-2920, Naicam, SK.

FARMLAND FOR SALE: RM 77 and 107, 860 acres, 6 quarters located near Cadillac, SK. Section 18-09-13-W3, approx. 550 acres, N-1/2-8-10-13-W3, approx. 310 acres. Creek runs through it, would make exc. pasture, currently mostly farmed. Accepting offers until Dec. 31, 2015. Highest or any offer not necessarily accepted. 306-625-7841, Swift Current, SK. t.lacelle@yahoo.ca

RM ROSEMOUNT, CANDO: \$630,000. 352 acre livestock ranch with 317 acres grass, 25 acres cultivated, 10 acres yard w/1950 sq. ft. bungalow, detached double garage, 44x80' quonset w/overhead door, barn with hay loft, calving barn, 3 shelter barns, watering bowls, new water well 2014. MLS#550607. Wally Lorenz, Realtor Re/Max of the Battlefords 306-843-7898.

LANE REALTY We Are Pleased To Announce The Following Recent Sales **SOLD!** **CHOICELAND 320 ACRES** - owned by Jeanette Scarf **FILLMORE 320 ACRES** - owned by Wiesner Holdings Inc. C/O Mary Wiesner **JEDBURGH 636 ACRES** - owned by Judy & Mervin Valuck **WYNWARD 638 ACRES** - owned by Catherine Bzdel **PARKSIDE 1234 ACRES** - owned by Terri Rask & Jeff Rask + Anders and Sons Farms Ltd. **SPIRITWOOD 1305 ACRES** - owned by Kathy & Dave Lange **LEASK 1396 ACRES** - owned by Constance & Gary Peake **117 Registered Sales So Far In 2015!** **TO INCLUDE YOUR PROPERTY FOR FALL SHOWINGS CALL US TODAY!** **LANE REALTY** Saskatchewan's Farm & Ranch Specialists™ **WITH OVER 30 YEARS IN THE BUSINESS!** **306-569-3380** "Now representing purchasers from across Canada, and overseas!" To view full color feature sheets for all of our CURRENT LISTINGS and virtual tours of selected properties, visit our website at: www.lanerealty.com

SASKATCHEWAN 6133

FARMLAND WANTED **NO FEES NO COMMISSIONS** **PURCHASING: SINGLE TO LARGE BLOCKS OF LAND. PREMIUM PRICES PAID WITH QUICK PAYMENT.** **FARM AND PASTURE LAND AVAILABLE TO RENT** Many References Available **SUMMARY OF SOLD PROPERTIES** Central.....208 1/2's East.....56 1/2's West.....49 1/2's South.....97 1/2's South East.....43 1/2's South West.....65 1/2's North.....6 1/2's North East.....14 1/2's North West.....12 1/2's **RENT BACK AVAILABLE** **Call DOUG 306-955-2266** Email: saskfarms@shaw.ca

FARMLAND FOR SALE BY TENDER: RM of South Qu'Appelle, approx. 4 miles North of Edenwold, SK. SW/NW-18-20-16-W2 and Pt SW-19-20-16-W2. Approx. 400 cult. acres land to be sold as a package. 2013 assessment approx. 48,500 per quarter. Cropping: 2013 and 2014 wheat; 2015 Invigor Canola. 2015 Chemical Application: Liberty Centurion Roundup pre-seeding and post-harvest. Tenders will be accepted on the whole parcel only. Highest or any Tender will not necessarily be accepted. Tenders must be received by 5:00 PM, Dec. 15, 2015 accompanied by a deposit in the amount of 5% of the purchase price payable to TTH Law Firm. GST is payable in addition to the purchase price. The transaction is to close with transfer of titles on February 1, 2016 with payment of the balance of the purchase price at that time. Any questions call TTH Law Firm at 306-924-8600, email: ntulloch@tthlaw.ca

SASKATCHEWAN 6133

ID#481220 VAL MARIE: Turnkey honey operation fully equipped for beekeeping plus 2 homes. Sellers willing to train. Great location with access to 10,000 acres of alfalfa. Licensed for 1000 hives. Only Honey Producers in SK. **Cert. Organic by Pro-Cert.** MLS# ID#1100257 **OSLER:** Modern dairy farm with 145 acres. 180 cow freestall barn with state of the art auto identifying double 10 milk parlor and an attached calf-heifer barn. 154.79 kg daily milk quota, 1614 sq. ft. home, workshop. MLS# ID#1100380 **BENGOUGH:** 34 quarter sections (5419.16 acres) of probably the best grassland around. Numerous sloughs, dugouts and an underground river run through the property. Could be farmed. Yardsite with home, corrals and quonset and another with a 1978 bungalow and well. MLS# Real Estate Centre, 1-866-345-3414, for all our listings view www.farmrealestate.com

LAND FOR SALE: SE-17-36-17-W3 RM of Biggar #347. Assess 87,200. Closing Date: December 18, 2015. Please direct all enquiries to Busse Law Professional Corp., Box 669, Biggar, SK. S0K 0M0. Phone 306-948-3346 or reception@busselaw.net

RM. ITUNA BONACCORD, 318 acres, 1/2 section of land for sale, west of Ituna: SE27 TP25 R12 W2 and SW26 TP25 R12 W2 306-795-2814, email: donkli@sasktel.net Ituna, SK.

INVESTMENT 80 ACRES: Good holding property. Department of Highways are deciding where they will run new perimeter highway close or on. 5 minutes from new South bridge in Saskatoon, SK. Utilities are close, zoned agriculture, has a water well and some outbuildings. Farmland rented for \$3000/year. Listed MLS for \$480,000. Contact Coldwell Banker ResCom Realty, 306-227-5308, Fred Van Ludynt.

"Specializing in Saskatchewan Farm & Ranch Real Estate" **WADE BERLINIC** Yorkton, SK 306-641-4667 wade.berlinic@hammondrealty.ca For all your Farm Real Estate needs **CALL WADE TODAY!** View my website at: www.AcresOffFarms.ca **HAMMOND REALTY** Acres of Expertise.

MANITOBA 6134

EXCELLENT LIVESTOCK FARMS: 100 head feedlot, Hartney; 1732 deeded acres w/4425 acres of Crown land. Fenced, small bungalow, vg buildings and metal corral system, can carry 400-500 cow/calf pairs; 1270 deeded acre cattle farm by Lac du Bonnet, 640 acres Crown land, turnkey operation; Cattle ranch, Pine River, MB. 3300 deeded and 1200 acres Crown land. Jim McLachlan 204-724-7753, HomeLife Home Professional Realty Inc., Brandon, MB., www.homelifepro.com

PRIME PRAIRIE GRAINLAND: 353 acres near Brunkhild, MB. Norman Dashevsky, Box 56524, Vancouver, BC. V3J 7W2, 604-428-4970, nttdtd21@gmail.com

PASTURES 6136

MULCHING- TREES, BRUSH, Stumps. Call today 306-933-2950. Visit us at: www.maverickconstruction.ca

findit PRODUCER.com

WANTED 6138

HAVE CASH BUYERS: FOR UP TO 3 sections farmland, in Outlook/Hanley area. (1). Land in RMs of Blaine Lake, Redberry, Fertile Valley, Mildren, Hoo-doo, Colonsay, Langham, Perdue and Kenaston areas. (2). Bushland. (3). Natural pasture. Bill Nesteroff, Re/Max Saskatoon, 306-497-2668, billnesteroff@sasktel.net

ACREAGES 6139

BUILDER HAS ACREAGES for sale near Borden, SK. Asking \$60,000. Call 306-827-7731.

68.5 ACRES GOOD natural pastureland w/some bush. 9 kms from Saskatoon, 5 kms from Martensville, school bus to Martensville, building permit avail. Water line and power at edge of property. Natural gas on property. \$295,000. Ph. 306-270-5951.

20 ACRES, Brownfield, AB., 1100 sq. ft. home, shop, new fence, etc., nice cond., \$265,000. Call Stan 403-578-2823.

SHOESWAP LAKE, BC: 37.5 acres w/older log home: 3 bdrms, 1 bath. Good water, timber, subdivisible. Phone: 250-955-2263

COUNTRY ACREAGE in Viking/Sedgewick, AB area. Build your dream home. 43 acres, all services, fenced, 40x90' quonset. Call 780-385-0256.

NEW AD

FLOOD IRRIGATED FARM for sale in Hays, AB. 246 total acres, 205 acres flood irrigation (more or less), easily adaptable to pivot. Yearly oil revenue with 2 separate land titles (adjoining). Professional appraisal done in spring 2013. Large yard sight includes a 1300 sq. ft. bungalow with single attached garage, 40'x80' shop, 26'x40' barn, dugout, corrals, underground power in yard. Possibility of cattle grazing allotment. Taking offers. Serious offers only please! 403-654-0398, 403-725-3780, Hays, AB. roll@ccwiireless.ca

Why Choose Justin Yin? • As Reported in CTV/Global TV /The Globe And Mail • Powerful International Marketing Network • Attract English & Chinese Buyers • Farmland Marketing Specialist • Public Speaker **Farmland Wanted** Justin Yin 306-230-1588 **NOA REALTY** (306) 361-8926 www.noarealty.com

FOR SALE Justin Yin (306) 230-1588 **NOA REALTY** (306) 361-8926 www.noarealty.com

MISCELLANEOUS 6140

FORMER CERTIFIED ORGANIC dairy/cash crop farm in Cobden, ON. 100 acres of highly productive tile drained clay loam soil. 2 residences (attached), approx. 5000 sq. ft. combined living space, AC, outdoor furnace and NG backup (new 2014). Both residences re-roofed 2014. All milking equipment is present and in good working order. Older stanchion barn renovated for heifers/dry cows, 50x40' 6 boxstall horse stable, 100x110' bedding pack (WeCover/2006) barn, 40x100' machine shed, 40x100' Coverall (new cover 2013), 10,000 bu. on-farm grain storage. All land is cert. organic. \$850,000. Additional 250 acres (100 tillable) certified organic land available for \$550,000. Agents welcome, motivated sellers. Contact Maureen via email: maureen.mccoy@hotmail.com or phone 613-646-2938.

RECREATIONAL VEHICLES

ALL TERRAIN VEHICLES 6161

2016 YAMAHA GRIZZLY EPS SE, Conquer Dirt! 26" Maxxis tires, EPS, 708cc engine 20 w/CVT, \$11,999. 306-543-7766, Open Road Recreation, Regina, SK. DL#917632.

2016 YAMAHA KODIAK 700, electric power steering, handle bar mounted headlight, winch kit included, \$9699. 306-543-7766, Open Road Recreation Regina DL#917632

2015 ARCTIC CAT Youth 90, featuring forward and reverse, visibility flag, utility styling, only \$3499. 306-543-7766, Open Road Recreation, Regina, SK. DL#917632.

JOHN DEERE 850I RSX, fresh trade only 1271 miles, hard top, 4x4, \$11,999 or only \$129 B/W. 306-543-7766, Open Road Recreation, Regina, SK. DL#917632.

2015 ARCTIC CAT Wildcat Sport LTD EPS, rapid response clutch, 700, 4-stroke eng., bucket seats, \$12,199. 306-543-7766, Open Road Recreation Regina DL#917632

2014 JD 825i XUV Gator, 73 hours, \$18,900. Call Nelson Motors & Equipment, 1-888-508-4406, www.nelsonmotors.com

2015 ARCTIC CAT 450 utility, auto trans., 2/4 wheel drive, hyd. disc brakes, \$5499 or only \$59 B/W. 306-543-7766, Open Road Recreation, Regina, SK. DL#917632.

2013 JD RSX850i Gator, 150 hours, \$18,800. Call Nelson Motors & Equipment, 1-888-508-4406, www.nelsonmotors.com

ARCTIC CAT TRV 700, fuel injected, alloy wheels, winch, hitch, windshield, was \$8670 now only \$6999. 306-543-7766, Open Road Recreation Regina DL#917632

BOMBARDIER OUTLANDER 400, winch, alloy wheels, front bumper, 4x4, was \$6980, now only \$4999. 306-543-7766, Open Road Recreation Regina DL#917632

2016 ARCTIC CAT Prowler 700 HDX XT EPS, Versatile 3-across seating, convertible box, \$16,999. 306-543-7766, Open Road Recreation Regina DL#917632

2016 YAMAHA WOLVERINE R-Specs EPS, true 4x4 performance, all new 708cc DOHC engine, \$15,399. 306-543-7766, Open Road Recreation Regina DL#917632

2015 YAMAHA VIKING VI, 6 person seating, steel cargo bed, EPS, on command selection. \$14,999. 306-543-7766, Open Road Recreation, Regina, SK. DL#917632.

2012 JD 825i XUV Gator, 582 hours, \$11,900. Call Nelson Motors & Equipment, 1-888-508-4406, www.nelsonmotors.com

MOTOR HOMES 6166



2015 CHALLENGER 37ND, Stock # 16341, (\$223,623. MSRP), Sale \$144,900. (Save \$78,723!) Call: 1-866-346-3148, or shop online 24/7 at: www.allandale.com



2016 TUSCANY 45AT, Stock #H5312. 450 HP independent front susp., Aqua hot and many more options available. Call for a quote: 1-866-346-3148, or shop online 24/7: www.allandale.com



2016 PALAZZO 36.1, Stock # K4419, 340 HP, 2 slides, fully loaded, (\$292,022 MSRP), Cash price \$224,000. (Save \$68,022). Shop online 24/7 website www.allandale.com or 1-844-488-3142.

MOTORCYCLES 6167

2013 YAMAHA VENTURE, electric start, reverse, 2-up, only 620 miles, \$8999 or only \$99 B/W. 306-543-7766, Open Road Recreation, Regina, SK. DL#917632.

SNOWMOBILES 6168

WANTED: SOMEONE TO do a full restoration of a 1970 Ski-Doo Olympique sled. Call 306-278-7344, Porcupine Plain, SK.

1994 YAMAHA EXCETER, exc. shape, always shedded, \$1200. 306-682-0747, 306-231-5679, Humboldt, SK.

SNOWMOBILES 6168

SLEIGHS- HUNTING, CALVING, hauling, or playing. Koenders Sleighs are SK. made and come in a variety of sizes w/optional covers for all types of jobs. Flaman, 1-888-435-2626, www.flaman.com

2014 ARCTIC CAT XF 8000 LTD SP 794cc, liquid twin, only 541 miles, \$10,999 or only \$109 B/W. 306-543-7766, Open Road Recreation, Regina, SK. DL#917632.

2015 YAMAHA PHAZER M-TX 144", Genesis sport performance, 499cc 4-stroke, mountain susp., \$8999. 306-543-7766, Open Road Recreation Regina DL#917632

ARCTIC CAT SNO Pro 500, 2 stroke, EFI, long track, fresh trade, \$6999 or only \$89 B/W. 306-543-7766, Open Road Recreation, Regina, SK. DL#917632.

2010 POLARIS DRAGON 800, fresh trade, only 541 miles, great mountain sled, \$7850, now only \$6499. 306-543-7766, Open Road Recreation Regina DL#917632

TRAIL GROOMER BOMBARDIER BR160 Mogul Master MBP18-08 groomer, \$35,000. 306-563-8765, Canora, SK.

2016 YAMAHA SR-VIPER M-TX SE, 141", Yamaha Genesis high perform. eng. 40-42" adjust. stance, \$14,299. 306-543-7766 Open Road Recreation Regina DL#917632

WANTED: SKI-DOO SKANDIC 440LT, 2001 to 2009. Will pay premium for low mileage sled. Ph 306-278-7344, Porcupine Plain, SK.

2016 ARCTIC CAT ZR 120 - 123cc four-stroke engine, \$3299. 306-543-7766, Open Road Recreation, Regina, SK. DL#917632.

2010 ARCTIC CAT F8 Limited, electric start, reverse, 2 stroke, 794 CC, \$8590, now \$6999. 306-543-7766, Open Road Recreation, Regina, SK. DL#917632.

2016 ARCTIC CAT M8000 SP LTD, 153", 160 HP, weight saving engine, reverse arctic team clutches, \$15,599. 306-543-7766, Open Road Recreation Regina DL#917632

RENTAL/ACCOMMODATIONS

VACATION ACCOMMODATIONS 6245

SUN BEACH MOTEL, 1 bdrm suite, \$685, 2 bdrm starting at \$850. 250-495-7766, Osoyoos, BC. www.sunbeachmotel.ca

SAWMILLS 6360

SAWMILLS from only \$4397 - Make Money and Save Money with your own bandmill. Cut lumber any dimension. In stock, ready to ship. Free info, and DVD: www.NorwoodSawmills.com/168 or call 1-800-566-6899 ext. 168.

WOOD-MIZER PORTABLE SAWMILLS, eight models, options and accessories. 1-877-866-0667. www.woodmizer.ca

SCALES 6380

ELIAS SCALES MFG., several different ways to weigh bales and livestock; Platform scales for industrial use as well, non-electric, no balances or cables (no weigh like it). Shipping arranged. 306-445-2111, North Battleford, SK. www.eliascales.com

SAWMILLS 6360

SAWMILLS from only \$4397 - Make Money and Save Money with your own bandmill. Cut lumber any dimension. In stock, ready to ship. Free info, and DVD: www.NorwoodSawmills.com/168 or call 1-800-566-6899 ext. 168.

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SCALES 6380

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CY	Product (Dry)	Gde	\$/mt	c/lb
15	Extra Small Red	2C	1,110	50.35
15	Large Green	1C	1,250	56.70
		2C	1,150	52.16
		X3C	1,050	47.63
		3C	850	38.56
15	Medium Green	1C	1,200	54.43
		2C	1,100	49.90
		X3C	1,000	45.36
15	Small Green	1C	1,000	45.36
		2C	900	40.82
		X3C	800	36.29
15	Small Red	2C	1,110	50.35
		X3C	950	43.09
		3C	800	36.29
16	*Small Red	2C	800	36.29

Prices subject sample approval, 1% elevation and change without notice.

* 2016 Crop with Act of God clause.

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LENTIL 6455

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FULL-TIME PERMANENT GENERAL farm worker needed for SRRB Enterprise Inc. Located in SW-7-80-20-W5, Box 909, Falher, AB. TOH 1M0 Start date: a.s.a.p. **Business Information:** we are a grain farm, we do all farming practices from seeding to harvest. **Main duties include:** plant, cultivate crops; harvest crops; operate and maintain farm machinery and equipment. Education: non required; experience is an asset. **Salary:** \$19-\$21/hour, 40-80 hours/week. **Important information:** shift 7 a.m. to 7 p.m., may vary according to business needs. Apply by email to: srrbinc@hotmail.com or mail to: P.O. Box 909, Falher, AB. TOH 1M0

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RELIABLE FARM LABOURER required for seasonal work on grain farm near Plenty, SK. Valid driver's licence required, as well as demonstrated experience with large scale farm equipment. Apply via email to: olsenlaw@sasktel.net Ph. 306-229-3316.

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HELP WANTED ON farm and ranch. Experience preferred. Wages based on experience. Room and board possible. No texts. Please call 403-350-4089, Red Deer, AB.

FULL-TIME FARM WORKER required immediately for mixed farm near Young, SK. Valid driver's license necessary. Horseback riding an asset. Wages depending upon experience. Call Mike 306-259-2296 306-946-6970. ldeneiko@xplornet.com

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PAYNTON PASTURE LTD. is now accepting resumes for the position of rider: maintenance and operations in the pasture commencing in the 2016 year. Wages and benefits are negotiable. Send resumes to: elliothtrainingcentre@sasktel.net or mail to Paynton Pasture Ltd., Box 235, Paynton, SK. S0M 2J0. Contact Clifford Elliott: 306-895-2107 for further information.

FARM LABOURER WANTED for a 55 head cattle farm and 8 acre cherry orchard. Call River's End Farms 250-428-3905, Creston, BC.

LEASE RIDER. Gem Grazing Association is seeking a summer pasture rider for approx 2500 cow/calf pairs. Employment is April to Oct. 31 yearly. Year round housing is provided. Interested applicants can submit resume to gemgrazingassoc@outlook.com or by mail: Box 7, Gem, AB. T0J 1M0 or fax 403-641-2485 on or before Dec. 5, 2015. Only those who are short listed will be contacted for an interview. For more info. call 403-633-0530.

EXPERIENCED PASTURE RIDER needed for Medicine Lake Grazing Reserve by Winfield, AB. Must be reliable and self-motivated, with organizational skills. Must be a skilled roper and supply own pasture horses. Will also look after water systems, so mechanical experience required, must practice low stress handling of cattle and have grass management experience. Employment is April to October yearly. Year-round housing can be provided. Send resume to: cvranch@xplornet.com or phone 780-621-0981 or 403-350-0614 for more info. Only successful applicants will be contacted for an interview. Applications close December 31, 2015.

FARM/RANCH 8016

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POTATOES

Bioplastic wrap protects food

The starch-based wrap contains antioxidants

BY REBECA KUROPATWA
FREELANCE WRITER

Researchers from the University of Alberta have proven they can create a starch-based bioactive film out of waste potato peels and culls.

The film, which looks like plastic wrap made from petroleum products, is eco-friendly but also carries antioxidants that preserve the food it protects.

The researchers began focusing on potatoes in 2008 as part of events celebrating the Year of the Potato, when they published articles about potatoes' important components and antimicrobial activity.

"So we decided to utilize that waste and remove all the phenolic compounds because we know they are mainly located in the peel," said Marleny Aranda Saldaña, a process engineer and associate professor in the university's Faculty of Agriculture, Life, and Environmental Science who led the research.

For Saldaña, using potatoes takes her back to her roots, having grown up in Peru.

"We started a project funded by a research program here at the U of A, funded by the Natural Science and Engineering Research Council of Canada and Alberta Innovates Bio-Solutions.

"Phenolic compounds are a natural antioxidant, which is why they're valued. Antioxidants are compounds that inhibit or delay the oxidation of other molecules and exhibit some biological effects, such as antibacterial, anti-inflammatory... So they will help to extend the life of other products."

The researchers have proven that potato peels are a good source of phenolic compounds and that they can use green sub-critical water technology to extract them from the peel.

A later project managed to insert these compounds into a film made from potato and cereal starches.

They were not the first to create a film from starch, considering that bags made from plant starches have been around for years.

However, Saldaña said using waste to obtain the starch and inserting the phenolic compounds into it using green technologies is a new discovery that has garnered international interest.

"Right now, we are about to evaluate the antimicrobial activity of the film," she said.

"We will be at this stage probably until January or February, and the next stage will be to use them with some products, like ready-to-eat meat."

Saldaña is looking beyond potato byproducts.

"Some of my students found high amounts of phenolic compounds in lentils, barley, and lupin hulls using sub-critical water technology, so other crop byproducts definitely can be explored," she said.

Four visiting professors on sabbatical and three visiting graduate

students worked with pressurized green fluid technologies in Saldaña's lab last year.

Saldaña's team is also trying to convert leftover waste from the extraction of phenolic compounds and starches into hydrogen with the help of a process that uses super-critical water to gasify the waste.

"At the supercritical state, they can break down the waste completely and produce hydrogen for energy purposes," she said.



Marleny Aranda Saldaña works in the lab with graduate students Yujia Zhao and Carla Valdivieso. | UNIVERSITY OF ALBERTA PHOTO

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-Rob Allan, Davidson, SK



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ENVIRONMENT

Ontario farm program targets Great Lakes

Producers can use funding from the program to improve their practices and prevent fertilizer runoff into water bodies

BY JEFFREY CARTER
FOR THE WESTERN PRODUCER

WARWICK, Ont. — Runoff from the long slope behind Lyle and Maaik Campbell's farmstead races across the road into a little creek every spring.

That's a concern for the couple, who spread liquid swine manure on the adjacent fields at their farm near this rural hamlet in southwestern Ontario. They say it's a waste of a resource, and there are their four young children to think about.

"I'd like to see my kids playing in that creek," Lyle said.

The couple also feels it makes sense to combine agronomic practices that benefit both the environment and the bottom line.

"I just want to be established so the kids have a chance here," Lyle said.

Added Maaik: "And we want to do the best job that we can, to be good stewards."

It's what has driven the Campbells to invest their own money and receive financial support through the Farmland Health Incentive Program, which is part of the Great Lakes Agricultural Stewardship Initiative.

The couple is busy, thanks to caring for four young children, operating a 1,500-head sow barn and cropping 500 acres. They directed more than \$30,000 in grant money toward their cropping operation.

Without it, the Campbells said they would likely not have tried planting a combination of tillage radish and oats as a cover crop in the small field next to the creek. It also allowed them to buy their Nuhn, an eight-row, manure injection system that's equipped with a Krohne flow meter.

Cover crops may help improve soil health and build organic matter at the farm over time, but the investment in manure application technology is already paying dividends.

"We're using the system to maximize the value of the manure,



Ontario farmers Maaik and Lyle Campbell have been working with certified crop adviser Ryan Benjamins to access program funding through the Farmland Health Incentive Program. The couple is experimenting with cover crops and has invested in a Nuhn Industries manure injection system with a flow meter. | JEFFREY CARTER PHOTO

improve soil health and increase returns. At the end of the day, it's all about the money," Lyle said.

The GPS technology and the flow meter helps him know where and how much manure he is applying.

The system can also vary rates according to crop requirements, and in the future he plans to make greater use of yield and soil test mapping.

The injection system dramatically reduces the chance of runoff.

With his old system, manure was being under-applied because of

foaming in the manure tanks. This skewed his application calculations.

The Campbells now feel confident they're better able to meet crop requirements with the system. Application time in the field has also been reduced.

"It was by guess and by golly before: turn the p.t.o. on and hope for the best," Lyle said.

Up to \$25,000 in funding is available through the FHIP. As well, bonuses are offered when newer technology is introduced that reduces phosphorus risk, when

pollinators are supported or when a project meets two or more eligible best management practices.

In some instances, 60 percent or more of project costs can be covered.

Program participants are required to hire a certified crop consultant whose work is paid through the program.

Filling out the necessary forms involved selecting fields for an in-depth review related to soil type, nutrient levels, soil erosion risk and land management practices.

The FHIP supports environmental improvement of the Great Lakes, including the reduction of phosphorus loading, which has been associated with toxin-emitting algal blooms in Lake Erie. Funding is expected to be available until 2018.

Best management practices include cover crops, organic amendments, crop nutrient plans, buffer strips, windbreaks and wind strips, tillage and equipment modifications, erosion control structures and fragile land retirement.

HEMP

Hemp growers pressure Ottawa to recognize health claim

BY BARBARA DUCKWORTH
CALGARY BUREAU

Canadian growers want Health Canada to recognize hemp as a beneficial natural health product.

Canadian Hemp Trade Alliance members recently voted during their annual meeting in Calgary to push for a health claim on food products.

However, lawyer Sara Zborovski, who works with companies seeking approval from Health Canada for food products, said the process is lengthy and multi-tiered.

Hemp oil products could be registered as novel food, but the government requires scientific evidence.

She told alliance members that they must be prepared to work together and provide whatever information is necessary to move

the request forward.

"It is important for all of you to band together on this issue. There is strength in numbers," she said.

Work on a proposal could start by February.

Zborovski said it would have to be made clear that the product is not the same as medical marijuana. Instead, the claim would focus on oil and byproducts.

"Farmers are probably not interested in that route," she said.

A health claim rating could be profitable.

"Canadian farmers are suffering because they are missing out on a traditional revenue stream that other farmers in other jurisdictions are gaining," she said.

Hemp and marijuana are part of the cannabis plant family, but are significantly different.

Hemp is grown for industrial

purposes such as food, fibre and fuel.

Canada's hemp oil products contain less than 10 parts per million of tetrahydrocannabinol (THC), which is the psychoactive component. It does carry higher levels of other chemicals that are showing potential as antidepressants as well as high levels of omega fatty acids.

The United States does not allow the cultivation of industrial hemp, but many groups persist in efforts to gain approval, said Joy Beckerman, president of Hemp Ace International Washington state.

She said there is significant confusion about cannabis plants and their benefits, so their use remains under the U.S. Controlled Substances Act.

Beckerman said 2.5 million sq. feet of medical marijuana are

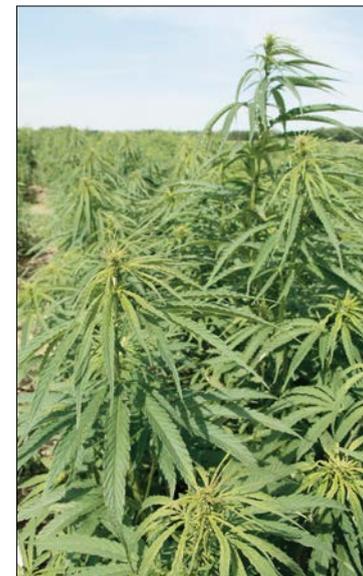
grown in Washington, but no hemp is allowed.

Federal legislation on hemp farming was introduced in 2013 but not approved. It was re-introduced as the Industrial Hemp Farming Act of 2015, which would have a significant effect on the developing cannabinoid industry if passed in Congress.

It would allow banks to lend to farmers wishing to grow hemp and remove the government's monopoly on research.

The 2014 U.S. farm bill allowed farmers in Kentucky, Colorado and Vermont, in partnership with state departments of agriculture, to grow and harvest hemp on small plots for research purposes. Other states are considering similar approval.

barbara.duckworth@producer.com



Growers of hemp will have to work together to get a health claim. | FILE PHOTO

OUT AND ABOUT AT AGRIBITION



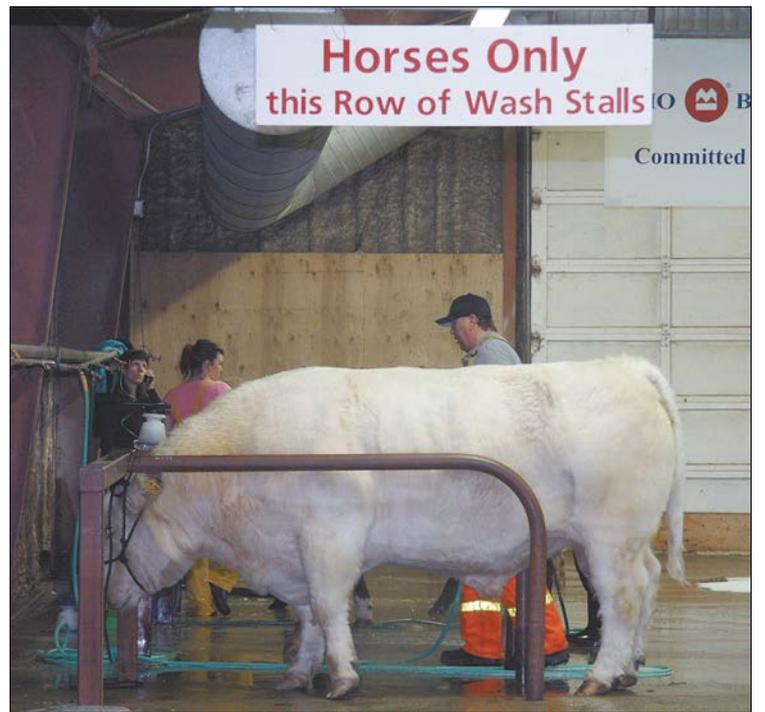
TOP, CLOCKWISE: Cattle are led from the tie-out into the barn on opening day of the Canadian Western Agribition. The agricultural event runs from Nov. 23-28 in Regina. | WILLIAM DEKAY PHOTOS

Chayse Hollman, 5, of Innisfail, Alta., plays with one of the family's Gelbvieh cattle.

It happens every year at the show – right under the Horses Only sign. | KAREN BRIERE PHOTO

Catching ZZZs: Cal Caragata, his sister, Ami, of Lumsden, Sask., and Brandy Fettes of Gladmar, Sask., take a power nap at their parent's cattle booth.

Margaret Haynes of Double Deuce Acres in Regina washes one of her purebred Polled Herefords.



PREDATION

Wolf meal habits change with grazing season

Cattle provide almost half of wolves' prey during the summer, but the predators turn to deer during winter

BY BARB GLEN
LETHBRIDGE BUREAU

Customers return to restaurants where they liked the food.

However, repeat visits are not exactly welcome when the customers are wolves and the food is the livestock bone yard.

"If you follow a wolf pack, they will systematically go from bone yard to bone yard to bone yard," said University of Alberta biological sciences researcher Mark Boyce.

Boyce and his assistants, Andrea Morehouse and Joe Northrup, have been studying wolf activity in southwestern Alberta, specifically

an area along the eastern slopes between Waterton Lakes National Park and Chain Lakes Provincial Park.

They found that wolves kill more cattle in the region than grizzly bears and cougars.

"Wolves are the real culprits and have been the biggest problem as it relates to beef producers," Boyce told a Beef Cattle Research Centre webinar Nov. 17.

He and his team put GPS collars on wolves and tracked their activity using a "cluster analysis" of where packs spent their time, combined with a scat analysis to see what the wolves ate.

Their studies of 698 wolf clusters found that cattle made up 45 percent of wolves' prey during the grazing season, followed by deer at 22 percent, elk at 13 percent and moose at nine percent.

Cattle made up 12 percent of wolves' prey during the non-grazing season from the end of October to the end of May, compared to 37 percent deer, 23 percent elk and eight percent moose.

The rest of the wolves' food, in both the grazing and non-grazing seasons, comprised scavenging and smaller prey that is difficult for researchers to measure.

"The most predominant prey of wolves during the grazing season ... were cattle, and it's actually more

pronounced than as illustrated here because cattle weigh a lot more than these other prey," said Boyce.

Put another way, cattle made up 74 percent of the biomass that wolves ingested during the grazing season.

There are 6,000 to 7,000 wolves in Alberta, and ranchers are allowed to deal with them if they become a problem. There is no hunting season or limit on the number of wolves that can be trapped or shot by ranchers.

Compensation is available for ranchers who lose livestock to a proven wolf kill.

Southwestern Alberta ranchers make up 37 percent of all paid

claims for kills by large carnivores, even though they occupy only three percent of the land base.

That shows the frequency of interaction in this area where the mountains and the prairie meet.

Boyce said his research showed 85 percent of wolves' scavenging activity centres on bone yards, which is where ranchers put their dead stock.

Those sites are also major attractants for grizzly bears.

Incidents involving both types of large carnivores increased in Alberta after 2003, when tighter BSE regulations made it more expensive to render dead animals.

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SASKATCHEWAN SEED GROWERS ASSOCIATION

Plant Breeders' Rights:

Points to Consider for the Seed Cleaning Industry

by Mitchell Japp, PAg

Provincial Specialist, Cereal Crops
Crops and Irrigation Branch

February 27, 2015 the Agriculture Growth Act came into force and the revisions of Bill C-18 became law. Included in these changes are upgrades to Canada's Plant Breeders' Rights (PBR) Act, which bring it up to UPOV'91 standards. UPOV'91 is the most recent international treaty of the International Union for the Protection of New Varieties of Plants.

The Saskatchewan Ministry of Agriculture supports the changes to PBR in Canada because of the benefits it provides farmers and breeders (Agriview, 2014).

However, the changes do impact seed cleaning plants. The new Act reinforces and extends the right of the breeder to the conditioning (cleaning) of seed (propagating material) for sale or trade. Under the new law, farmers may condition seed of a protected variety that was grown on their own farm for replanting on their own farm (farm saved seed). However, breeder authorization is required when conditioning seed for other purposes, such as selling, exchanging or trading.

This change places an onus on seed cleaners to ensure that they are not enabling the illegal sale of seed (i.e. brown bag seed). If seed cleaners condition seed for an illegal sale, they may share a portion of the liability for the infringement of the breeders' right. Liability is likely to extend beyond the loss of royalties and include costs for enforcement and monitoring.

All varieties granted PBR protection before February 27, 2015 are grandfathered under the old PBR Act. Under the old PBR Act the breeder's right does not extend to conditioning of propagating material (e.g. seed), which means conditioning these varieties do not present the same risk of liability to seed cleaners. Seed cleaners need to be aware of which varieties are subject to the old rules and which ones are subject to the new rules (granted rights on or after February 27, 2015) under the revised

PBR Act. Seed cleaners can review a list of varieties with PBR on the PBR Office website, or unofficial lists are available in the annual publications Varieties of Grain Crops and SaskSeed Guide.

Seed cleaners are recommended to include a declaration in their service agreement or work order, requiring the producer to attest (and sign) that:

1. The seed was produced on their own farm;
2. They are conditioning the seed for their own use only (unless they are authorized by the breeder to sell the seed); and
3. The seed was originally acquired legally (as certified seed).

Suggestions for further precautions that seed cleaners can take are available online at the PBR Facts website.

Seed cleaners need to ensure due diligence is maintained in their operations in order to avoid liability of infringement under the revised PBR Act.

For more information:

PBR Facts – an industry website with information specific to seed cleaners:
www.pbrfacts.ca

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Provincial Specialist, Cereal Crops
mitchell.japp@gov.sk.ca
or (306) 787-4664

Anthony Parker

Commissioner Plant Breeders' Rights Office
anthony.parker@inspection.gc.ca
or (613) 773-7188



www.saskseed.ca



Wolves living along the Rocky Mountain eastern slopes rely on cattle for 45 percent of their prey during the grazing season, recent research has shown. | CANINEST\FLICKR.COM PHOTO

PROPER DISPOSAL

Composting carcass takes time, heat

BY BARB GLEN
LETHBRIDGE BUREAU

The cow is dead. Now what?

It costs money to summon the renderers, and burning or burying a carcass takes time and effort.

Faced with a dead animal, many cattle producers want to try composting the body, but success depends on proper methods.

Alberta Agriculture beef research scientist Kim Stanford explained those methods Nov. 17 during a webinar sponsored by the Beef Cattle Research Council.

She has seen cattle legs protruding from would-be compost piles and the heads of pigs staring out of such piles with most features still intact.

That's the wrong way to go about it, she told the webinar.

"If you can see the faces of the animals that you're trying to compost ... you're not making good compost," she said.

Protruding legs are related to improper placement of the carcass. It should be placed on its side, and if there is more than one carcass, they should not be touching.

However, Stanford said that before that happens, a good location and a proper base are vital to effective compost. The site should be accessible year-round and convenient for adding material such as straw, manure and sawdust.

It should be well-drained and at least 100 metres from water sources, wells and buildings and separated from livestock.

Stanford recommended starting with an 145-centimetre-thick base of old straw, sawdust or woodchips to provide the necessary carbon. The material should be fairly dry.

Carcasses should be completely covered with the waste material, which may include more of the ingredients that were in the base layer, plus manure, soil, spoiled silage and other waste material.

Build a windrow approximately two metres high so no part of the carcass is showing.

"You can use a lot of different things to build your compost," she said.

"Build it in layers. It's kind of like a really strange sandwich. You just use whatever you've got on hand."

Material used to cover the carcasses should have 35 to 60 percent moisture, but no more than that.

The compost process requires nitrogen, and dead stock contain plenty of it. Manure is a good material for covering the carcasses, but a covering of only soil is unlikely to contain enough nitrogen and carbon.

"Stick with things that have a bit of nitrogen and some carbon in, for amendments," said Stanford.

Oxygen is the other requirement. Lack of it is often the reason that compost efforts fail. Oxygen allows

the pile to heat, and it will be limited if the material is too wet.

Stanford outlined "the three Ts" of composting: time, turning and temperature. It takes about nine months to fully degrade a 500 to 1,400 pound animal. To achieve that, the pile should be turned three times over that nine-month period. A tractor with a bucket will do the job.

Other disposal methods include natural exposure, burial, incineration and burning.

Natural exposure invites scavengers and possibly predators. Dead stock also attracts flies, stinks and can contaminate the water table.

It is legal in Alberta to leave dead stock out in the open, but it could draw complaints.

As for burial, the hole must be more than a metre deep and 150 metres from a water well, barn or home. The water table, soil type and topography have to be considered.

Most cattle are too big for incinerators, and the units are not legal in some municipalities. There are air quality issues and the fuel needed can be costly. Setting the body on fire also causes air pollution. It requires supervision and can take quite awhile, said Stanford. It isn't legal to burn carcasses in some regions.

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CROP PROTECTION

U.S. gov't decides to withdraw registration for Dow's Enlist

Company says it is moving ahead with plans for the corn variety in Canada, despite EPA's recent announcement

BY ROBERT ARNASON
BRANDON BUREAU

Dow AgroSciences is moving ahead with plans for Enlist corn in Canada, despite a significant regulatory setback in the United States.

"From a standpoint of Canada, it is completely business as usual," said Jeff Loessin, general manager of Dow Seeds Canada.

The U.S. Environmental Protection Agency took an unusual step Nov. 25 when it asked the courts to withdraw the registration of Dow's Enlist Duo herbicide. The EPA had registered Enlist Duo in 2014.

The EPA is concerned about the

herbicide's impact on non-target plants. Enlist Duo, a mixture of glyphosate and a new formulation of 2,4-D, is part of Dow's new Enlist system for corn and soybeans.

Dow has registered Enlist, a herbicide tolerant trait, in Canada and the U.S. The genetically modified trait allows growers to spray glyphosate and 2,4-D on corn and soybeans for weed control.

The EPA said it hasn't studied the synergistic effects of glyphosate and 2,4-D and how the two herbicides may affect "non-target organisms."

Dow, in a statement, said it is talking to the EPA and hopes the matter can be resolved quickly.

"We do not expect these issues to result in the long-term cancellation of the Enlist Duo product registration. We continue to prepare for commercial sales of Enlist Duo for the 2016 growing season."

Loessin said Canadian producers should be able to grow Enlist corn, even if Dow and the EPA don't sort out the issue before spring.

Using the new herbicide on corn grown in Canada shouldn't disrupt corn shipments to the U.S.

"The critical part is making sure the MRL (maximum residue limit) is in place, and that's been established for this herbicide," he said.

"Because the residue limit and

the trait approval are in place in the U.S., (there are) no concerns from that standpoint, that we can see."

Health Canada's Pest Management Regulatory Agency said it is monitoring the EPA's actions, but Enlist Duo remains a registered herbicide in Canada.

"Health Canada regularly reviews new health and safety information that comes to light," a PMRA spokesperson said in an email.

"Should new information emerge, the department will evaluate the data and assessments."

The commercial launch of Enlist corn is uncertain even if the EPA and Dow resolve their issues

around Enlist Duo because China has not approved the genetically modified trait for import.

In response, Dow decided to delay its full-scale launch of the product, pending Chinese approval.

Dow did allow some producers in Canada and the U.S. to grow Enlist corn over the last couple of years, but it could be used only as feed on the farm and not sold into the market.

Dow intends to move forward on a similar trial program next year for Enlist soybeans in Canada.

China is expected to decide on the Enlist trait before the end of the year.

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GENETIC MODIFICATION

Anti-GMO group says yield gains non-existent

Monsanto and Canola Council of Canada dispute study, saying acres prove GM crops benefit farmers

BY SEAN PRATT
SASKATOON NEWSROOM

Canadian crop yields and farm incomes have not increased significantly in the 20 years since the commercialization of the first genetically modified crop, according to a new report.

Biotechnology supporters counter that GM crops must be delivering tangible benefits because growers have embraced them in a big way.

In its fourth of six reports investigating the 20th year of GM crops in Canada, the Canadian Biotechnology Action Network (CBAN) explores what has happened to

yields and profits.

CBAN reports that canola yields have increased at the rate of 2.4 percent per year in the 20 years since the first GM canola crop was introduced in 1995. That compares to 0.7 percent per year in the 20 years preceding introduction.

That is an impressive improvement. However, the statistics are not much different for wheat, which is non-GM crop. The annual rate of increase was 2.1 percent after 1995 and .6 percent prior to that.

"We don't have any evidence that GM varieties are yielding any better," CBAN researcher Taarini Chopra said.

"Yields of crops that have GM and non-GM varieties have all increased at a similar rate."

There is also not much difference between corn and canola yields in North America, where GM crops have been widely adopted and Europe where they have not.

"In fact, in the case of canola yields in Western Europe, they remain higher than in Canada and are increasing at a faster rate," said Chopra.

Trish Jordan, spokesperson for Monsanto Canada, said people need to consider the source of this study.

"Let's face it, CBAN is an anti-technology activist group and they have a long history of using fear mongering about plant biotechnology to raise funds," she said.

Jordan said there are all sorts of studies that reach the opposite conclusion, such as a 2012 meta-analysis published in the science journal *Nature*.

That analysis determined that out of 168 peer reviewed studies comparing yields in 12 countries, GM crops had higher yields than conventional crops 124 times, no difference 32 times and poorer yields 13 times.

However, she believes farmer experience is the best indicator of whether the technology is delivering on the yield front.

"Growers will tell you that they have seen benefits on the farm. You only need to look at the adoption rates for biotechnology," she said.

For instance, 95 percent of the canola grown in Canada is GM canola.

"Most of the farmers I know will make the decision that results in a net benefit for them," said Jordan.

She said GM traits are just one of the factors behind improved yield performance in modern varieties. Others factors include advanced breeding techniques, hybrid vigour, agronomic recommendations and precision agriculture.

Chopra countered that farmers are choosing GM crops because there is not a whole lot of other options in today's marketplace and there is a glaring lack of government research on the benefits and risks of GM crops to help inform their decisions.

CBAN believes it is becoming clear that GM crops have not lived up to their promise.

Inflation adjusted realized net farm income in Canada since 1990 has been lower than it was in the late-1970s and 1980s.

"GM crops are not putting more money into the pockets of Canadian farmers," said Chopra.

Increases in gross farm income have been offset by rising input costs resulting in stagnant farm income.

One of the expenses on the rise is seed cost, which accounted for 4.6 percent of total expenses in 2014, up from 2.5 percent in 1981. The cost of patented GM seed has climbed faster than non-GM seed.

"These costs are chipping away at farmers' incomes," she said.

Brian Innes, vice-president of government relations with the Canola Council of Canada, said several published peer-reviewed studies have come to the conclusion that GM canola has greatly improved farm profitability.

A recent study by researchers at the University of Manitoba and the University of Lethbridge determined that GM canola varieties generated an extra \$726 million in net benefits to farmers over conventional varieties in 2012.

"Since the introduction of these technologies in 1996, the total benefit to growers has been about \$30 billion," said Innes.

A 2015 study by Graham Brookes and Peter Barfoot found an average farm benefit of \$21 per acre from 1996 to 2013 for herbicide tolerant canola in Canada.

"It is a very successful innovation that has allowed us to be more profitable and more sustainable," said Innes.

Jordan acknowledged that seed costs have risen because of advances in technology.

"It is often offset by other factors, such as reduction in chemistry, less use of fuel, less use of machinery and the time that the farmer puts into it," she said.

Jordan said it is unfair to assume GM crops are to blame for stagnant farm income numbers because there is a multitude of factors on both the revenue and expense side of the equation.

Chopra agreed many variables are at work, but the GM trait variable doesn't appear to have transformed agriculture.

"Some of those big promises that came with GM crops are clearly not playing out in the way that we had been told," she said.

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Ken Greer, MSc, PAg
Principal
Western Ag Group of Companies
Saskatoon, SK

Ken's role within the Western Ag Group of Companies is to support the leaders of R&D, Franchise Sales and Professional Agronomy delivery via the four Western Canadian Franchisees.

"A professional agrologist (PAg) has specialized science-based knowledge that is used to protect the public interest by being an active steward for a safe and sustainable food supply."

Ken was raised on a farm at Ceylon, SK. He received a BSA in soil science and an MSc in soil health/soil quality from the University of Saskatchewan. Ken previously worked with the University of Saskatchewan and farmed before forming Western Ag in 1994.



Candace Piper, MSc, PAg
Botanist
Canada North Environmental Services
Saskatoon, SK

Candace works as part of a team to provide environmental and heritage services to a diversity of clients. Her role at CanNorth includes leading field surveys to identify environmental sensitivities and incorporating this information into mitigation planning to minimize a project's environmental impact.

"The professional agrologist (PAg) designation is important as it gives clients and the public confidence that the information and recommendations I provide are based on sound science and a commitment to a code of ethics that protect the public."

Candace was raised in Saskatoon, SK. She received a BSc in biology and an MSc in plant science from the University of Saskatchewan. Candace joined CanNorth in 2013.

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ANIMAL HEALTH

Canadian BSE case likely feed-related

BY BARBARA DUCKWORTH
CALGARY BUREAU

The investigation into Canada's 19th case of BSE discovered last February said contaminated feed was the likely cause of infection.

"The carry-over of a small amount of residual contaminated feed associated with the earlier case on the same birth farm is the most plausible explanation for BSE case No. 19," said the Canadian Food Inspection Agency report released Nov. 30.

A purebred black Angus cow born March 25, 2009, came from the same Alberta farm as a positive case in 2007. The two cows were not related.

The cow was born on a cow-calf operation with both purebred Angus and commercial beef cattle. There were about 290 breeding animals. The positive cow had been sold through an auction market to another farm where it became sick. It was euthanized and samples were sent for testing.

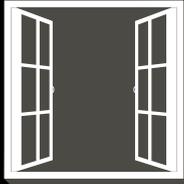
The case was considered unusual because it was born two years after Canada introduced stringent feed manufacturing rules that applied to animal feed, pet food and fertilizer production. It was also the first farm to have two cases.

The farm's practices and feed companies were investigated to find potential pathways of infection. Investigators also traced 746 animals that could have been at risk.

The trace-out investigation located 132 live animals, 99 of which were on the original farm. All live animals, located on 14 different premises including the birth farm, have been placed under quarantine.

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**MONDAY
JANUARY 11**

TIME	EVENT	LOCATION
1:00 pm - 2:00 pm	SaskCanola AGM - Registration open at 12:30 pm	Gallery C/D
2:15 pm - 3:15 pm	SaskBarley AGM - Registration open at 1:45 pm	Gallery A
3:30 pm - 4:30 pm	SaskFlax AGM - Registration open at 3 pm	Gallery B
4:45 pm - 5:45 pm	Saskatchewan Pulse Growers AGM - Registration open at 4:15 pm	Gallery C/D
7:30 pm - 10:00 pm	BASF Opening Reception - Featuring entertainment by The Two Bit Bandits	Grand Salon

**TUESDAY
JANUARY 12**

TIME	EVENT	LOCATION
8:00 am - 9:00 am	Breakfast	Grand Salon
9:00 am - 10:00 am	KEYNOTE SPEAKER: JEFF RUBIN - From Energy Superpower to World Breadbasket: Climate Change and the Canadian Economy	Grand Salon
10:00 am - 10:15 am	Coffee	Grand Salon
10:15 am - 11:00 am	Transitioning to New Malting Barley Varieties - Peter Watts and Michael Brophy	Gallery A
	Cash, Stash or Dash: Market Outlook For The 2015 Crop (part 1 of 2) - Marlene Boersch	Gallery B
	Sorting the Numbers From the Noise: What To Do With Your Data - Wade Barnes	Gallery C
	Create a Positive Farm Culture for Your Pre-K Children for a Successful Farm Transition - Reg Shandro	Gallery D
11:15 am - 12:00 pm	Fate Of Sulphur Fertilizers In Prairie Soils - Jeff Schoneau	Gallery A
	Cash, Stash or Dash: Market Outlook For The 2015 Crop (part 2 of 2) - Marlene Boersch	Gallery B
	Plant Growth Regulators: Behind The Scenes - Sheri Strydhorst	Gallery C
	A Balanced Diet: The Importance Of Biodiversity For Maximum Yields - Sina Adl	Gallery D
12:15 pm - 1:30 pm	Lunch	Grand Salon
1:30 pm - 2:15 pm	Future of Flea Beetles: Effective Control With Changing Populations - Scott Hartley	Gallery A
	What Is In A Futures Market: Basics of Selling Your Grain - Stan Jeeves	Gallery B
	Sorting the Numbers From the Noise: What To Do With Your Data - Wade Barnes	Gallery C
	SaskOats AGM - Registration open at 1 pm Featuring session: Grain Millers' Policy on Pre-Harvest Glyphosate Application - Terry Tyson	Gallery D
2:30 pm - 3:15 pm	Fast Facts About Flax: Agronomy Matters - Chris Holzapfel	Gallery A
	Growing Global: Thinking Outside The Farm With Market Analysis - Chuck Penner	Gallery B
	Plant Growth Regulators: Behind The Scenes - Sheri Strydhorst	Gallery C
	"Does Glyphosate Cause Cancer?" Responding to This and Other Non-Science-Based Consumer Questions - Stuart Smyth and Laura Monchuk	Gallery D
3:15 pm - 3:45 pm	Coffee	Grand Salon
3:45 pm - 4:45 pm	KEYNOTE SPEAKER: KRISTJAN HEBERT Baby Steps to Bigger Profits: The 5% Rule And The Effects of Incremental Improvements on Your Bottom Line	Grand Salon
4:45 pm - 6:00 pm	AGT Foods Reception Featuring Lentil Cream Ale	Grand Salon

**WEDNESDAY
JANUARY 13**

TIME	EVENT	LOCATION
8:00 am - 9:00 am	Breakfast	Grand Salon
8:45 am - 10:00 am	Sask Wheat AGM - Registration open at 8:15 am	Gallery D
9:00 am - 9:45 am	Faba Bean Agronomy: We Don't Quite Have All The Answers Yet - Sherrilyn Phelps	Gallery A
	Growing Global: Thinking Outside The Farm With Market Analysis - Chuck Penner	Gallery B
	How to Choose the Right Spray for Your Needs - Tom Wolf	Gallery C
10:00 am - 10:45 am	New Approaches To Disease Management - Faye Dokken-Bouchard	Gallery A
	What's your Beef? Opportunities In Feed Grain Markets - Rex Newkirk	Gallery B
	Choose Your Own Adventure: Best Practices For On-Farm Research - Murray Hartman, Nicole Philp and Kristen Podolsky	Gallery C
	Exploring Options for Producer Involvement in Wheat and Barley Variety Development - John Groenewegen	Gallery D
10:45 am - 11:00 am	Coffee	Grand Salon
11:00 am - 12:00 pm	KEYNOTE SPEAKER: JESSE HIRSH - Key Innovations and Opportunities - How Technology is Changing Agriculture	Grand Salon
12:00 pm - 1:15 pm	Lunch	Grand Salon
1:15 pm - 2:30 pm	Soybeans: Production Knowledge for Western Canada - Kristen Podolsky	Gallery A
	Cash, Stash or Dash: Market Outlook For The 2015 Crop (part 1 of 2) - Marlene Boersch	Gallery B
	Better Water Management For The Future Of Agriculture - Howard Wheeler	Gallery C
	To Lease Or Not To Lease - That Is The Question - Neil Weyland	Gallery D
2:45 pm - 3:45 pm	The Other Side Of Weed Management: Rotation, Integration and Predation - Chris Willenborg and Eric Johnson	Gallery A
	Cash, Stash or Dash: Market Outlook For The 2015 Crop (part 2 of 2) - Marlene Boersch	Gallery B
	Choose Your Own Adventure: Best Practices For On-Farm Research - Murray Hartman, Nicole Philp and Kristen Podolsky	Gallery C
	Planning For Excess: The Future of Export Basis For Prairie Grains - Richard Gray	Gallery D

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PRODUCTION

FIGHTING THE RESISTANCE

Layering herbicides may be used to reduce multiple resistance in one weed or address several weeds that are prone to resistance | **Page 66**



PRODUCTION EDITOR: MICHAEL RAINE | Ph: 306-665-3592 F: 306-934-2401 | E-MAIL: MICHAEL.RAINE@PRODUCER.COM

FERTILIZER AND WATER

Water is the under managed input in rural environments

BY MICHAEL RAINE
SASKATOON NEWSROOM

REGINA — Agriculture is defined by water. Too little, too much, timing and waste all make water key to any thoughtful discussion about farming systems.

In 2011, the \$4 billion flooding in Saskatchewan was the most costly, single natural resources calamity to befall Canada's 33 million people.

Little more than a year later, Alberta's flooding was worse, but it paled in a financial comparison to the five-year prairie drought that ended in 2004.

Researcher Helen Baulch of the Global Institute for Water Security at the University of Saskatchewan told farmers and agricultural industry members attending the Farm Management Canada's annual conference in Regina last week that water is likely the least managed resource in the food production system.

And, she said, rural users often tolerate poor supplies and controls and higher costs than their more populous urban neighbours.

Baulch said that overall, rural water is not thought of, funded or managed with the same diligence as urban supplies.

"We have a two tier system in this country," she said.

Norm Hall, a Saskatchewan farmer who has lost land to the expansion of the Quill Lakes in south-central Saskatchewan, agreed with Baulch's assessment.

More than 27,000 acres of grain land has been swamped by that water body's growth and 6.3 metre rise over the past decade.

He suggested that the public is often interested in large-scale seasonal floods, but it can be hard to get attention paid to big management programs that will help to mitigate those and other more regular events.

Baulch said thirty-four percent of rural wells in Ontario have bacterial contamination that makes them unsafe to drink. Fourteen percent have nitrate contamination and seven (percent) have both."

"And don't think that's just Ontario, it's even higher in some other provinces."

In the United States, nutrient pollution is estimated to cost \$2.2 billion annually, with most being generated by agriculture.

For more information, contact Baulch at homepage.usask.ca/~hmb925/.

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TECHNOLOGY

Shaken sensors stir interest in Canadian seed monitoring

Powered by machine movement, the Lightning lessens the load, on farmers' shoulders

BY MICHAEL RAINE
SASKATOON NEWSROOM

HANNOVER, Germany — Bill Baker believes in the internet of things and independence of devices, even when it comes to agriculture.

His company, Agtron Enterprises, drew a lot attention at Germany's Agritechnica farm show.

Air delivery of seed and other inputs is old hat for the Prairies and Plains, but for large parts of the world distribution by fan pressure is still a newer concept.

However, whether a producer has been depending on air to get material from meter to seed bed for decades or days, knowing the products are arriving, and in the right amounts, remains a hot issue.

The Saskatoon business debuted its latest product, the Lightning seed rate and blockage monitor, for the 450,000 strong, Germany crowd. It's an ironic name for a tool that is so power efficient that it doesn't need an electrical feed to do its electronic job.

Blockage monitoring for air seeders has tended to take place up at the distribution towers. Blockages often happen 10 feet later in the flow at the seed boot, so it takes relatively long periods of time, especially for small seeded crops, for the problem to be discovered. Lost yield and neighbour-noticeable gaps are the result.

Some systems are smart enough to notice reduced flow rates due to a lower-tube blockage, but often the alarm sounds when a tube is well on its way to full.

Wires or sonic tubes don't like long runs down the shanks or disc arms because they are constantly moving. It was this movement that Baker decided to exploit.

"There is energy there. The seed tools are constantly moving. It turns out there is enough energy to power the flow sensors," he said at the show.

"We put our sensors down at the seed boot. It harvests energy at the shanks. You have a 400 horsepower tractor pulling that seeder or planter through the field and the biggest draw on it is the soil where it meets the machine. We just take a little of that energy as it is dissipated through movement."



TOP: Agtron's Lightning run sensor is a member of the internet of things. It requires no wires and no outside power.

LEFT: Bill Baker, president of Agtron Enterprises, recently attended Agritechnica in Hannover, Germany. | MICHAEL RAINE PHOTOS

The individual sensors are powered by small, magnetic generators located in each run sensor's case, just behind the seed boot.

A mesh network, with multiple redundancies, allows each sensor to piggyback data onto the ones next to it. Even if one were to be damaged, the rest pick up the data. Eventually all the data from all the sensors works its way back to central receiver on the drill and

it is funneled wirelessly by standard wi-fi off to the tractor's cab and an iPad acting as the display terminal.

"It's the internet of things and it's coming to the farm," he said.

The seed tube is "nearly indestructible stainless steel" and the sensors are infrared, so dust and other distractions won't affect the units, said Baker.

In the tractor cab, producers

can be alerted on every tube run on even the largest machines and get both blockages and rates of delivery.

The Lightning units should reach the market for this season.

For more information, contact Agtron at www.agrtron.com or 306-934-0640.

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GRAIN HANDLING

Getting into the swing

Telescopic swing makes it easier to line up with trailers

BY ROBIN BOOKER
SASKATOON NEWSROOM

Grainmaxx is offering a feature for its swing augers that will make it easier to unload grain trailers.

The company's telescopic swing enables users to not only swing the auger hopper under trailers but also to move the hopper closer to the auger.

Sales manager Jim Kambeitz said the telescopic swing makes it much easier to line up trailers to the auger.

"You can park the Super B at the end of the hopper, then instead of swinging the hopper under, the telescopic movement is engaged and the hopper pushed directly under the trailer," he said.

The telescopic feature provides an increased motion range over traditional swing augers, which are limited in their reach under trailers by their swing.

Operators have to be precise when lining up a truck and trailer to unload: a few inches too close or too far away and the driver may have to jump back in the truck to reposition it.

The telescopic feature makes the auger more forgiving.

"If I have to tweak it because I may be off a little under my semi, I can (adjust it) this while it's auguring," Kambeitz said.

A spline drive, which powers the auger in the swing arm, has to insert at least 1.5 to two inches into the end of the auger. The splines are more than a foot long, which allows the hopper to have a telescopic range of approximately one foot while the auger is engaged.

A hydraulic motor powers the telegraphic movement. It moves a chain that moves the swing auger through a housing at the top of the swing.

"You can go up to eight feet," he said. "I only like bringing it up three to four feet when I operate my super Bs, just enough to clear the tires on the trailer," he said.

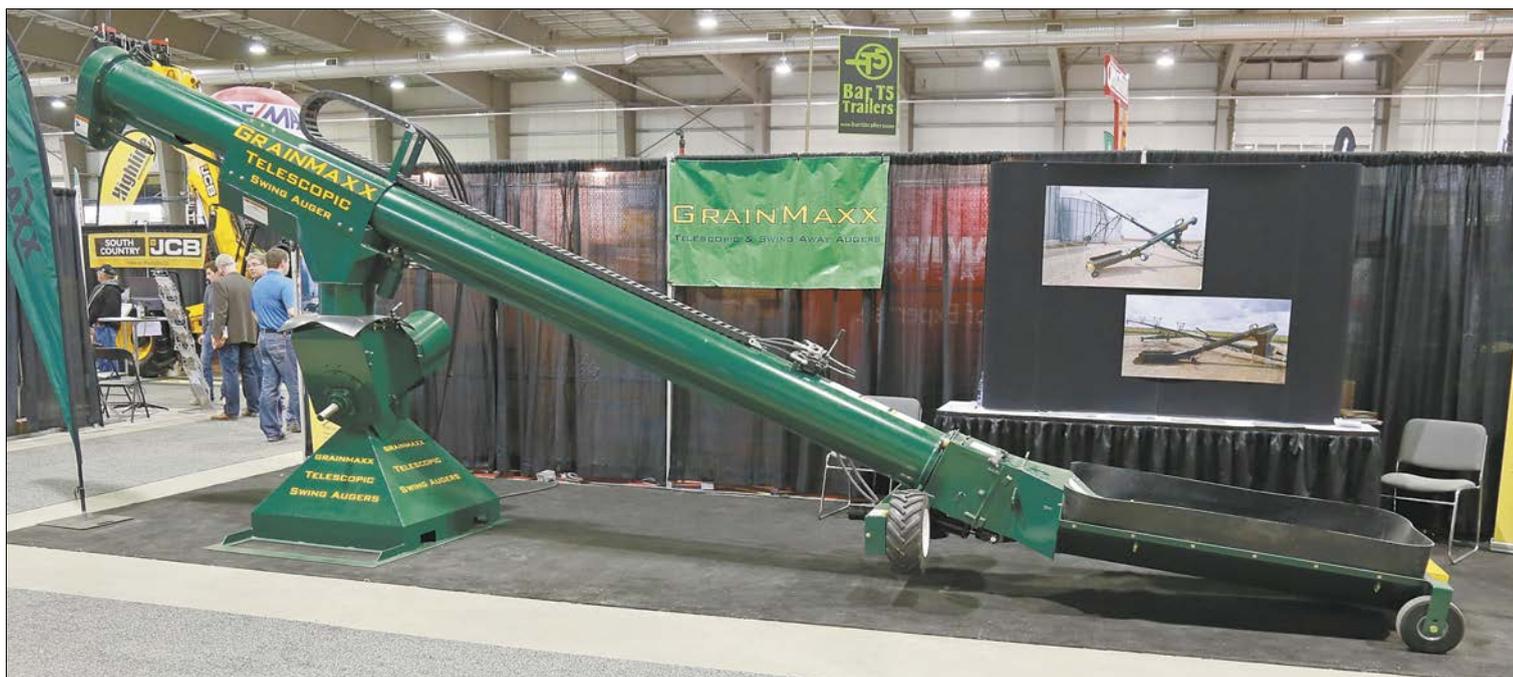
The telescopic feature adds about \$10,000 more to the auger price.

Other features include a hydraulic lock on the retracting mechanism, 40 by 60 inch self leveling hopper, dual nine inch flight screws in the hopper, hydraulic winch to raise and lower the swing hopper and an internal gearbox drive that powers the swing movement.

The telescopic swing is available for the company's new 14 inch augers.

The 14 inch augers are offered in 85, 95 and 105 foot lengths and require 180 to 200 horsepower of power take-off power to be operated.

robin.booker@producer.com



This is Grainmaxx's 13 inch auger, but the same telescopic feature is offered in its new 14 inch augers. | ROBIN BOOKER PHOTO

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WEED MANAGEMENT

Layers of herbicides help avoid resistance

Layering may be used to reduce multiple resistance in one weed or address several weeds that are prone to resistance

BY ROBIN BOOKER
SASKATOON NEWSROOM

REGINA — Prairie grain producers have been relatively lucky when it comes to herbicide resistant weeds, especially when comparing their experience to some European and American farmers.

However, producers should quickly adopt strategies that reduce the probability of resistance developing in weeds if they want to avoid the staggering costs associated with herbicide resistance, said Clark Brenzil, provincial weed control specialist with Saskatchewan Agriculture.

Brenzil told the Grain Expo held during Canadian Western Agribition that annually rotating herbicide groups has been a common method to combat herbicide resistance on prairie fields.

However, he said it does not stop the development of herbicide resistance.

“We’re finding more and more it delays resistance but doesn’t reduce the odds of getting it. Weed seed dormancy is the issue,” Brenzil said.

Tank mixing different groups is better than merely rotating herbicide groups because it reduces the risk of herbicide resistance developing.



Kochia, seen here in a lentil field, is one of the weeds developing herbicide resistance. | FILE PHOTO

Another strategy is called layering, which Brenzil said significantly reduces the chance that herbicide resistance will develop.

It uses multiple active ingredients and herbicide groups to control the same weed in the same field in the same year, but the active ingredients do not have to be delivered in the same tankload.

“So what we’re doing is taking one group and we’re putting that as a pre-seed application, then we’re maybe taking another group and applying that as foliar application in crop, and maybe we add another group into the tank with that foliar application,” he said.

“So now we’re getting a buildup of different groups in that same field in the same year.”

This buildup makes it difficult for weeds to develop resistance to any one chemical group because other chemical groups are on hand to take out stragglers.

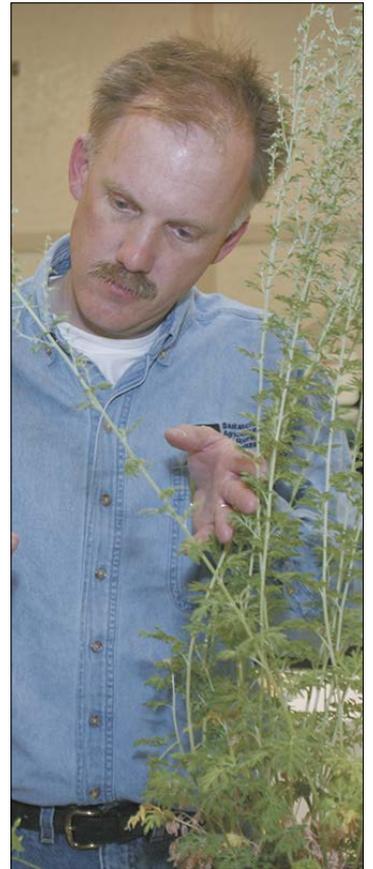
Layering may be used to reduce multiple resistance in one weed or address several weeds that are prone to resistance to different groups.

Brenzil said producers might see an immediate gain on their return on investment because their crops will have fewer weeds.

“You’ve got multiple active ingredients working all in conjunction with one another and you’re getting that benefit of forestalling resistance, but you’re also getting some added benefits in terms of yield improvements, better weed control in general and lower dockage,” he said.

Herbicide resistance is becoming a problem in prairie fields. Group 2 resistant wild mustard is common in lentil growing regions in western Canada, and there is also Group 2 resistance in stinkweed, wild buckwheat, annual sow thistle, shepherd’s purse, cleavers and hemp nettle. Group 1 resistance is emerging in Persian darnel and kochia has, in some cases, grown resistant to glyphosate.

Brenzil said several weeds are at risk of developing resistance to glyphosate in Saskatchewan



Clark Brenzil says farmers must take herbicide resistance seriously. | FILE PHOTO

“Anytime you increase the frequency of use of a herbicide, you increase the risk of resistance developing.”

The most important strategy in managing resistance is maintaining diversity, he said. Any system that is not diverse is at higher risk of developing resistance.

“So when we start tightening canola rotations, we need to make sure we diversify our herbicide systems within that.”

Farmers who want to evaluate their specific risk of developing herbicide resistance can visit www.weedtool.com.

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FORAGE EQUIPMENT

Baler tests alfalfa feed value in the field, on the fly

Bales receive tags that record information that can be read by handheld scanner

BY SEAN PRATT
SASKATOON NEWSROOM

New Holland says the days of taking core samples of alfalfa bales to determine their relative feed value are over.

The equipment manufacturer has equipped all of its 2016 square balers with the CropRFV system.

“What we’re doing is we’re actually measuring the feed value of that crop as it is being baled,” Claude Lesperance, field support specialist for Eastern Canada for New Holland, told the Canadian Forage and Grassland Association’s annual conference.

Bales receive a vinyl tag containing a radio frequency identification chip that records information such as moisture content, weight, field location and relative feed value (RFV). The tags are read by a handheld scanner or one that mounts in the tractor cab.

“Bales can be stored, sorted and placed into separate piles based on their feed values,” said Lesperance.

It allows farmers to develop a pricing structure for low, medium and high value bales.

“You can charge a premium price for those high value bales,” he said.

Alfalfa RFV can vary dramatically from less than 100 points to more than 250 points because of factors such as plant variety, maturity at time of cutting and handling and harvesting conditions.

RFV has traditionally been measured by taking two core samples from a bale and analyzing them at a lab. However, even those two samples can vary by 20 to 30 points.

New Holland’s method begins with the farmer getting a lab analysis of a windrow sample of his hay just before or after it is cut.

That determines a starting RFV value for a field, which is then adjusted on a bale-by-bale basis by measuring the weight and moisture content of the bales.

Dual star wheel sensors take moisture readings 96 times every three seconds and are accurate within plus or minus one percentage point.

The baler’s scale provides weight within two percentage points accuracy. Bales with greater density contain more leaves because leaves pack tighter than stems. Ninety percent of the alfalfa’s feed value is contained in the leaves.

New Holland’s system was compared against traditional core testing on 3,000 bales gathered from eight farms across six states. The values closely followed the laboratory results. It was also tested and endorsed by Utah State University dairy specialist Allen Young.

Young said dairy farmers can use the system to save money by feeding lower quality hay to dry cows or

heifers while feeding high quality hay to high production cows, which increases milk production by 1.8 kilograms per cow.

Lesperance said the IntelliCruise Feed Rate Control System is the other big advancement for New Holland’s new square balers.

“It’s basically a cruise control system that we’re implementing into the hay harvesting side of things.”

The system works only in conjunction with tractors equipped with the new ISOBUS Class III information steering system.

The baler talks to the tractor and either slows it down or speeds it up based on windrow thickness.

“It automatically matches the

tractor’s forward speed to the crop load,” said Lesperance.

The system can also be switched to slice control mode, which adjusts the speed to produce a specified number and thickness of bale slices.

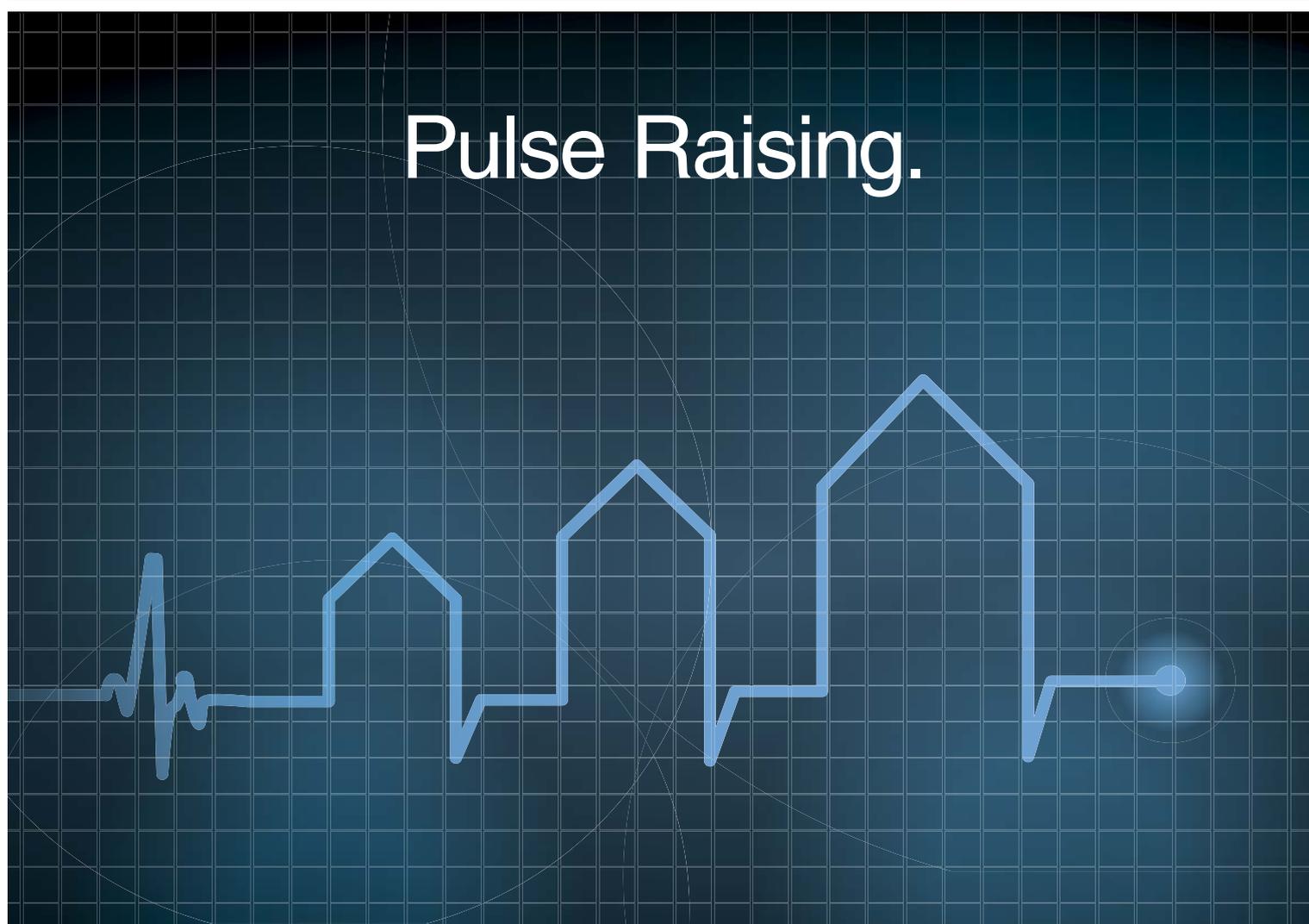
New Holland believes farmers can be nine percent more efficient in their baling operation by allowing the baler to run at optimal performance and reducing driver fatigue.

Farmers who do not own a tractor equipped with the ISOBUS Class III system can decline to buy the \$400 unlock code for the IntelliCruise system.

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Claude Lesperance of New Holland explains the CropRFV system, which proved to be accurate when compared to traditional core testing. | SEAN PRATT PHOTO



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LIVESTOCK

BISON BONANZA

Prices were up this year at the bison sale held during Western Canadian Agribition. Sale average was \$6,990 on 43 head. | **Page 70**



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AGRIBITION

Genetics sale generates buzz

Agribition's first calf genetics sale expected to continue to pique interest of breeders

BY KAREN BRIERE
REGINA BUREAU

A new sale at Canadian Western Agribition signals growth in a particular segment of the cattle industry.

The Champions by Design club calf genetics sale saw offerings of live animals, semen and embryos from breeders in Saskatchewan, Alberta, Ontario and Manitoba.

Organizer Tyson Rasmuson of Midale, Sask., said breeders who raise show cattle expressed interest in starting the new sale.

Club calves are designed for shows and their appearance, not for their carcass qualities or other traits that the commercial industry wants.

Big bones, medium frames and lots of hair are the main characteristics of the animals bred for this industry.

Genetics from sires like Monopoly, Heat Wave and Eye Candy are among the most sought after at sales and that was no different at Agribition.

The top-selling lot, a mature bull consigned by Piller Show Cattle, Elldem Cattle Investments and Blue Moon Ranch, all from Saskatchewan, is a grandson of Heat Wave and went for \$10,500.

The bull, Dubstep, had sired the 2014 grand champion prospect heifer at Agribition.

The high-selling bull calf was Arch's Slash from Arch Holdings at Speers, Sask., which sold for \$6,750.

The top female was a bred heifer, Miss Tableland Worth It, from Tableland Cattle Co. at Estevan, Sask. She is a Monopoly descendant and sold for \$9,750.

Eleven embryo packages averaged \$2,002, four semen packages averaged \$2,631 and one flush went for \$4,500.

In total, 25 lots sold for \$101,950.

Rasmuson said the sale is likely to be bigger and better next year as club calf popularity moves north.

"It's starting to pick up in Canada," he said prior to the sale. "It's starting to gain a lot of steam and fire up here. There's been lots of buzz in the barns about it and lots of interest in it."

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Big bones, medium frames and lots of hair are the main characteristics of the animals bred for this industry.



AGRIBITION

Charolais cow named supreme champion

PZC TR Disirae 012 has a few awards pinned to her stall, but this one crowns them all

BY BARBARA DUCKWORTH
CALGARY BUREAU

REGINA — Many families come close to grabbing the brass ring at the Canadian Western Agribition supreme championship, but only a few have taken home the big prize.

This year's top bull award went to Poplar Meadows Angus for a two-year-old bull and the outstanding female came from Rod, April, Colby and Megan McLeod of Cochrane, Alta.

This year, 33 champion females and 37 champion bulls competed for the supreme honours.

"This is the most prestigious thing we can do. If this was a baseball game it would be the World Series. If it was football it would be the Grey Cup. This is what we strive for," said judge Craig

Flewelling of Bowden, Alta., who has also won this award.

He was one of five judges who independently assess each animal. They name the top 10 from each category before selecting the best of the best at the grand finale show held Nov. 28.

The McLeod family is long-time Charolais breeders who have made the top 10 many times with bulls and females from their program, but the big prize always eluded them.

Their cow is a home raised female named PZC TR Disirae 012 and was also grand champion at this year's Olds Fall Classic. This same female qualified for the Supreme last year as an Agribition grand champion and now retires on a high note. They also had a Charolais bull at this year's supreme competition.

"This the highlight. We had an unbelievable week," said Rod.

They raised the sire of this female, and it has also made a mark in the Charolais breed.

"He was our high selling bull five years ago, and this is the very first daughter of his," he said.

Megan was at the halter of the cow, and although she has been in this same place many times, she admits she was nervous as she watched judge Anne Burgess scan the cattle lineup.

"I was very nervous. I was shaking the entire time as she was walking up and down the line. When we got the slap, I was blown away," she said.

Megan is a business student at the University of Saskatchewan and has to prepare for exams while her parents return to the ranch for more Charolais events.

"We have been lucky enough to have winners in the steer shows. Both of our kids have had champions and I have always said we have the banners and the memories and they got the money. I think ours lasted longer than theirs did," said April.

Tanya, Monty and Taylor Belsham of Houston, B.C., own Poplar Meadows Angus and had been campaigning their champion bull at the summer and fall shows.

May-Way Breakout 1310 was grand champion at the Interior Provincial Exhibition at Armstrong, B.C., and Farmfair International at Edmonton. The 22-hour trip from northern British Columbia to Regina was worth it.

"It is the pinnacle of showing in Canada to win at Agribition," said

CONTINUED ON NEXT PAGE >>

AGRIBITION

Speckle Park cow sets new sale record

Sask. couple pleased to have the breed represented among the best of the best

BY BARBARA DUCKWORTH
CALGARY BUREAU

REGINA — Darla Sauder may have received her best birthday gift ever this year at the Canadian Western Agribition Speckle Park sale on Nov. 25.

She and her husband, Scott, of Fairlight, Sask., set a record for the breed when they sold a bred female for \$20,000 to Drew Lehr of Watrous, Sask., who is a relatively new breeder.

The Sauders, who own Second Chance Speckle Park, were late comers to the breed. They once had Simmentals and 4-H calves for their children, but between 1990 and 2007 they worked off the farm and there was no time for cattle.

They got their first Speckle Park in 2007 after Scott was stopped at the side of a road near Lumsden, Sask., and saw them in a field. He was impressed with their conformation and quiet temperaments. When he asked Darla whether they should buy some, she didn't know what he was talking about.

They bought their first calf from River Hill Speckle Park at Agribition.

"We felt the cows gave us a second chance at farming," she said.

They added to the herd in 2009 when they came across three bred Speckle Park cows at an auction in Viriden, Man. The market collapse after BSE had forced the owner to sell.

"The people that owned them were glad they weren't going to go for meat and they were going to go to another breeder, so they gave us the papers for them," she said.

Those were the foundation of their herd and are still producing. In fact, the mother of their high seller came from one of those auction market cows.

The breed has official recogni-

tion in Canada, but it is still hard to find enough to build up herds because producers are reluctant to part with them.

"Everyone who has been involved with it for a lot of years has been very helpful as far as information and support goes," she said during a break at Agribition, which ran from Nov. 23-29.

The Sauders will have about 20 breeding females this spring. They have also become involved in the breed, and this year Scott became president of the association.

Darla's favourite part of the business is talking about the breed and promoting it.

Each year, the black and white cattle developed in Saskatchewan make more progress toward acceptance. Agribition had a record sized show with more than 70 entries and a record price, said Rod Remin, business manager for the breed.

Bred to produce good beef, the Calgary Stampede carcass competition has given the breed some respectability because it consistently places high or wins with AAA carcasses.

The cattle are also earning more as commercial cattle with the most recent results from Ontario showing 13 steer calves weighing 567 pounds sold for \$304.50 per hundredweight.

"The last few weeks we have been topping the sales," Remin said.

In addition, Remin has a seat on the board of directors with the Canadian Beef Breeds Council. He finds that satisfying because at one time other cattle producers laughed at the concept of the Speckle Park.

"Now a Speckle Park representative sits at the table with all the other big breeds," he said.

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Darla Sauter of Second Chance Speckle Park shows off her high selling female, which fetched a record \$20,000 at the Canadian Western Agribition held Nov. 23-29. The sale was held Nov. 25. | BARBARA DUCKWORTH PHOTO

BELOW: Megan and Rod McLeod of Cochrane, Alta., shared a father-daughter moment when their cow won supreme champion. | BARBARA DUCKWORTH PHOTO



Tanya, who has been in the Angus business her entire life.

Her parents were recognized for 50 years in the Angus business last year, and her father died last spring. She wishes he could have seen the big announcement.

"I felt this calm come over me just before. I almost felt like my dad was there watching me," she said.

She was out of cattle for about 10 years and in the last four to five years became fully involved.

The bull was purchased in Kansas earlier this year. When it won at Farmfair, she formed a new partnership with Hamilton Farms of Cochrane, Alta., Six Mile Red Angus of Fir Mountain and Breed Creek, Mankota, Sask. This bull's future is being discussed among the group of owners, but the next step is to send the bull to stud to draw semen.

She must also return to the ranch, where they have an extensive operation. This year she bred 440 Black Angus cows and more than 100 commercial cows.

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PROFILE

Adoption introduces Haitian boy to world of cattle

BY BARBARA DUCKWORTH
CALGARY BUREAU

REGINA — Ken Paul is a typical Canadian boy who likes hockey, chicken dinners and hanging out with friends.

It was not always so.

He was living in a Haitian orphanage when he became one of 203 children linked with a new Canadian family in Operation Stork following the 2010 earthquake that devastated Port-au-Prince.

His new parents, Jeff and Debbie Paul of Oakridge Farms near Vancouver, had spent two weeks in Haiti hoping to adopt a child. Ken's mother was dead and his father agreed to an adoption. He left behind two sisters.

For the Paul family, six-year-old Ken was a gift. Their son, Billy, wanted a little brother and Ken needed a big brother, said Debbie.

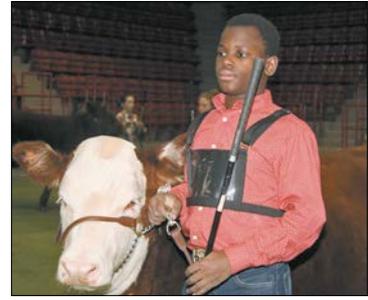
He knew nothing about Canada, but his life was about to change forever. When he arrived in Ottawa Jan. 30, 2010, the temperature was -40 C. He was wearing a raincoat and new sneakers and carried a backpack with a spare T-shirt and five face cloths to wipe the sweat away in the hot Haitian days. He spoke only Haitian Creole.

He moved to the family farm in British Columbia, where he was welcomed with open arms and plenty of love. He was in reasonable health but was only three feet tall and weighed 47 pounds.

The Pauls enrolled him in kindergarten and English classes and Ken was transformed. He learned to skate, and now plays defence for his local peewee hockey team.

"They put me on skates as soon as I got here and I thought it was really cool. It took me a long time to learn how to skate, but now it is my favourite sport," he said.

His other favourite pastime is working with cattle, and he can be seen at livestock shows across the West, including Canadian Western



Ken Paul of Oakridge Farms in British Columbia has been an enthusiastic cattle person since he saw his first steer at around age six. | BARBARA DUCKWORTH PHOTO

Agribition.

"I saw my first cow when I came here because my brother had a steer in 4-H," he said at this year's show, held Nov 23-28 in Regina.

"I thought it was really cool because most of the animals in Haiti were really small, and in Canada they are like, humungous," he said after a team showmanship class where he and his partners placed third.

He joined 4-H when he was nine and has become an avid member with a steer and cow-calf project. He also excelled at public speaking, which included a speech about his early life in Haiti.

He also met Hereford and Angus breeder Grant Hirsche of High River, Alta., who taught him how to show cattle and care for animals.

Hirsche said it was a pleasure to mentor an enthusiastic child who has faced considerable adversity and keeps smiling.

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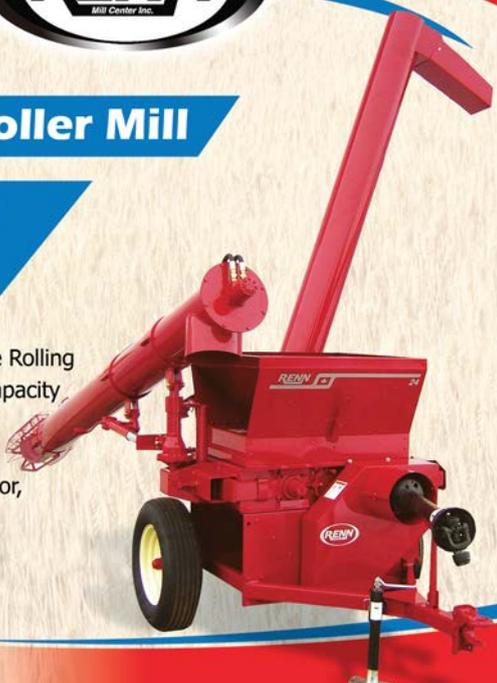




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BISON SALE

Bison prices up at Agribition sale

Producer says the industry can't keep up with demand and expects herd sizes to increase

BY KAREN BRIERE
REGINA BUREAU

A strong bison sale kicked off the many livestock sales at Canadian Western Agribition last week.

Show and sale chair Nolan Miller of Silver Creek Bison at Binscarth, Man., said prices were up from last year.

"We've been consistently climbing in prices for about the last six, seven years, and this year seemed to really top the market," he said.

Forty-three head sold for an average \$6,990 compared to last year's average of \$4,818.

Miller consigned the high seller, a \$21,000 two-year-old bull that placed second in the show. The Wood cross went to Elk Valley Ranches of Kitscoty, Alta.

The grand champion, also a Wood cross, was a yearling consigned by Sandy Busche of XY Bison in Fort St. John, B.C. It sold for \$20,500 to Beldon Bison Ranch of Nipawin, Sask.

Miller also consigned the top selling female and grand champion, a two-year-old bred heifer that Shale Creek Bison of Russell, Man. bought for \$13,500.

The reserve, from Borderland Agriculture at Pierson, Man., sold for \$4,250 to Bison Spirit Ranch of Oak Lake, Man.

"I was surprised how well the prices stayed up all the way through," Miller said. "We had lots of buyers."

He said the sale was on target when compared to the meat market.

"Right now down in the U.S., it's about \$4.25, \$4.35 a pound on the rail for a butcher bull. When you take the exchange rate into factor,



This yearling heifer, the reserve grand champion in the Canadian National Bison Show, was too shy to face bidders during the sale. Consigned by Borderland Agriculture of Pierson, Man., she sold for \$4,250 to Bison Spirit Ranch of Oak Lake, Man. | KAREN BRIERE PHOTO

that's pushing almost \$5.50," he said. "You got a 600 pound carcass, you get almost \$4,000. So for a breeding bull to bring \$8,000, it pencils out for guys."

He said aggressive marketing by the meat industry, strong exports to the United States and the exchange rate mean supply can hardly keep up with demand.

"Everyone's kind of flying high right now," he said.

Miller sold six animals in the sale and bought two.

"I usually don't go home with an empty trailer," he said.

The bison industry suffered losses following the discovery of BSE in Canada in 2003, both economically and in terms of producer numbers.

However, the sector has since recovered, and Miller said there should be enough money for everyone in the chain to make a liv-

ing and be comfortable.

"With the prices coming back, we're seeing a lot of people increasing (herd sizes)," he said.

"We're starting to see some new people getting into the business now. I expect after a few more sales this winter we'll see some more interest from potential new producers."

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BENCHMARKING

Data allows producers to assess farm

Compare numbers with industry data to help with management decisions

BY KAREN BRIERE
REGINA BUREAU

The Saskatchewan Bison Association's benchmarking study now has a good base of data that producers can use to see how their operations measure up.

Agricultural economist Sandy Russell defined benchmarking as the process of comparing one's financial and performance measurements to industry bests or best practices from other companies.

Producers can use the benchmarks to assess their competitiveness, efficiency and productivity, she told the annual Canadian Bison Association conference in Regina.

The SBA began compiling the data several years ago to establish the benchmarks, and Russell last week presented the 2015 numbers, noting that in many cases five-year averages are now available.

"You're just now scraping the surface of what that analysis can do," she said.

"Once it hits five years, you really can get into some strong management analysis."

She encouraged producers to compare their numbers to the industry data but to be cautious because there are large ranges in some of the measurements.

"Don't let the overwhelming factor of pulling out the shoebox stop you from taking that first step," she said. "It does get easier. Start with taking a snapshot today."

Key production measures include the number of cows, number of calves and fertility measures. Key economic measurements are feed and operation costs.

Russell said enterprise analysis is a critical part of the process.

Producers should begin by looking at their operations from different perspectives and asking themselves what else they could be doing. For example, could a person be working off the farm or in a different enterprise on the farm if they weren't doing what they're doing now.

Producers should divide their businesses into profit centres and identify which is the most or least profitable, recognizing that not all divisions exist solely for profit.

"Understand your costs and how you're going to allocate them," she said.

The information that can be gleaned from analysis is useful to individual operations and industries, she said.

It can help develop industry policy and promotion, measure the health of an industry, act as a resource for new entrants and set industry targets.

Producers can't manage what they can't measure, she said.

"If you aren't benchmarking, you aren't capitalizing on your individual values," Russell said.

"The longer you participate, the more value you get."

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CANADIAN BISON ASSOCIATION

Updated bison code focuses on euthanasia

BY KAREN BRIERE
REGINA BUREAU

Revisions to the bison code of practice are underway and should be in place within two years.

Jennifer Woods, a livestock handling specialist who conducts animal welfare audits, said the public comment period is expected to begin next fall.

Bison producers have had a code of practice since 2001 and should prepare themselves for changes to the requirements and recommendations, she told the annual Canadian Bison Association conference.

The update will focus on four main priority welfare issues:

- How seasonality affects nutritional requirements.
- Appropriate euthanasia or slaughter on farm.
- Understanding behaviour such as requirements for wallowing and rubbing.
- Recognizing pain and when to deal with it.

Woods said euthanasia and transport fitness are the two main reasons a livestock producer will fail an audit.

"You need a euthanasia plan."

Other livestock codes require written plans, she added.

The plan should include a clear definition of a terminal animal and acceptable methods of euthanasia.

Terminal animals are non-ambulatory, can't access feed and water and aren't going to recover.

Good welfare leads to optimum production.

JENNIFER WOODS
LIVESTOCK HANDLING SPECIALIST

"Yours is very simple," Woods said of acceptable euthanasia methods.

"A very big gun is what you need." Bison are challenging to shoot, and the two leading causes of failed euthanasia are inaccurate placement of the bullet and a gun that isn't powerful enough. The bullet should go into the side of the head.

And then, Woods said, make sure the animal is dead.

"You can temporarily stun them. Death isn't instantaneous."

The idea is to make sure the ani-

mal dies without regaining sensibility. Equipment should be maintained and appropriate to the species. Many producers are using captive bolt guns on farms now, she said.

For on-farm slaughter, the animal should be properly restrained and acceptable stunning methods used.

Woods also said that if she sees an animal that should be euthanized during an audit, she won't leave until it is done and done properly.

Animals in sick pens should sometimes be euthanized sooner than producers think. Woods said producers have to be in tune with their animals for proper welfare.

"Good welfare leads to optimum production," she said. Customers expect producers to take good care of their livestock, and the law requires it.

Woods said the first animal welfare law was passed in 1635 in Ireland, which prohibited pulling wool off sheep.

The first law in North America came in 1641 in what was then the Massachusetts colony. In 1654, the United Kingdom passed a law prohibiting animal abuse.

NEEDLES AND SYRINGES

Use the right tool, the right way

ANIMAL HEALTH



ROY LEWIS, DVM

The proper use of syringes and needles becomes second nature in today's cattle production, whether it's for treating, vaccinating, flushing, aspirating or applying local anesthetic.

We all have our preferences when grabbing syringes and needles.

As well, we don't want to leave needles in animals, and we don't want to cause more pain than necessary by using improper needles.

There are no concrete rules.

But there are principles that make the job easier, save time, deliver products correctly and are less hard on livestock.

Choosing a needle size and length is the first decision to make.

Most products are given subcutaneously, which can be accomplished with at most a one-inch needle and often with a three-quarter inch one.

The gauge or bore of the needles will depend on the viscosity of the product and the volume to be injected.

More viscous products such as some antibiotics require a 16-gauge needle, while more watery products such as selenium can be given with an 18- to 20-gauge needle.

The higher the gauge or number, the smaller the bore of needle.

Cows and yearlings generally receive 18- to 16-gauge needles, while with calves we pretty much stick to 18- to 20-gauge needles.

Smaller bores create smaller holes, which should generate less pain.

A 1 1/2 inch needle is needed for intramuscular shots in cows for products such as scours vaccines and vitamins A and D and some of the older antibiotics. Strength is also important, so an 18- or 16-gauge needle is common for the more viscous products.

Always use disposable needles that are sharper, have a thinner wall and cause less damage than the older steel needles. Make sure they have metal hubs.

We often use the one-handed technique when giving subcutaneous shots, which involves inserting the needle at an angle into the pocket under the skin without tenting it. We can actually feel the needle drop down into the subcutaneous space.

This technique keeps our free hand away from the sharp needle and prevents injuries around chutes when cattle lurch forward or backward and pinch our hands.

It is important during mass processing and vaccinating to use automatic guns that can set the exact dosage. They are accurate in delivery and can be cleaned easily.

It is best to use warm water when finishing and disassemble the syringe if necessary.

However, avoid cleansing agents, especially if using the syringes right away. Veterinary clinics will auto-



Using the proper-sized needles for treating cattle reduces pain, ensures products are delivered correctly and saves the producer time. | FILE PHOTO

clave syringes between herds.

Disposable syringes are the other option, but they are best used when inserting the needle and then attaching the syringe.

Otherwise, the plastic syringes will often break at the hub. Believe me, I know this from experience.

The last thing we want is a needle left in the hide, so proper restraint, such as in a squeeze chute, is necessary in anything bigger than newborn calves.

As well, always visually check to make sure the needle is still on the end of the syringe when the injection is complete.

We always want to use new needles when giving intravenous shots or between groups of animals.

As well, there are instances, such as with bovine leucosis, when these cattle should be segregated and needled last so that the disease isn't transmitted in the blood.

Changing needles every 10 or so animals when vaccinating is a necessary habit to acquire. Needles should also be changed when they are dulled, burred, bent or soiled.

Use a new needle to pull out of the bottle of vaccine or antibiotic.

As well, make sure to always have a sharps container available. A one-gallon plastic jug properly labelled for sharps will last a farm for years.

Use the needle cap to remove the needle. I bend them and twist them off or have a pair of pliers handy.

Needles can be bought in pack-

ages of 100, so don't hesitate to have lots around with several gauges and various lengths from which to choose.

Most products can now be given subcutaneously using a one-handed technique.

However, producers who give intramuscular shots should ideally put in the needle first and watch for blood.

Some intramuscular injections such as penicillin can cause an allergic reaction if inadvertently injected into a vein.

Watch the labels to ensure that the product is given where indicated. More products are now labelled for subcutaneous use, which contributes to better meat quality.

Taking care of needle selection will help producers do a much better job administering vaccines and antibiotics by reducing swellings, abscesses and scarring.

Going subcutaneous whenever it is allowed prevents muscle damage.

Needle use is starting to decline as progress is made in intranasal vaccines, products given orally or topically and needleless vaccinators.

Always have epinephrine close by in case of an allergic reaction, which is possible with any product that is injected.

Roy Lewis works as a technical services veterinarian part time with Merck Animal Health in Alberta.



UNIVERSITY OF SASKATCHEWAN

Western College of Veterinary Medicine

50 Years of WCVM | 1965-2015

Celebrating 50 years of veterinary education, research and clinical expertise at the Western College of Veterinary Medicine (WCVM).



The bovine tilt table has been a vital piece of equipment at the WCVM Veterinary Medical Centre for over 40 years. Photo: Christina Weese.

Over the years clinicians at the Western College of Veterinary Medicine's Large Animal Clinic have strived to purchase equipment that could help them provide the best possible diagnostic and treatment services to western Canadian producers.

One such purchase was a hydraulic tilt table – an indispensable tool that was developed in the mid-1970s by Arnie Brockman, an engineering consultant from Humboldt, Sask. With advice from veterinarian and WCVM graduate Dr. Jim Sawatsky, he built two tables – one for Sawatsky's veterinary clinic in Foam Lake and one for the WCVM.

Brockman's design allows a cow to walk in between the two sides of the table which can accommodate animals ranging in size from calves to bulls weighing over 3,000 pounds. Once the cow is in the right position, the device grips the animal from above and the pressure of the airbag lining is adjusted to hold it. Then a hydraulic drive lifts the animal off its feet and smoothly flips it onto its side so it's lying on the table. Cows tend to give up once they're confined, so they stop struggling and remain quite calm while they're in the device. When the procedure is finished, the table is returned to an upright position so the cow ends up back on its feet.

The hydraulic tilt table is used primarily for bovine hoof treatment and trimming. Over the years many of Western Canada's top show cattle have taken a ride on the unique tilt table for their regular "bovine pedicures." Since the table exposes all four feet of the cow, it's a great teaching tool that provides four students with the opportunity to work on an animal at the same time.

The table is also invaluable for examining and treating injuries and problems with a bull's genitals or a cow's udders. Clinicians can do a thorough examination and prepare any sites that require suturing without risking their safety by having to get underneath the animal.

After 40 years of regular use with few technical issues, the original tilt table began showing signs of mechanical problems and was retired in 2013. RMD Engineering was hired to recondition the equipment and make any upgrades – improvements to the design made possible by modern technology. On October 8, 2014, the new table was installed at the WCVM Large Animal Clinic. It was a happy moment for the veterinarians who had been risking damage to themselves and the animals by using an old-fashioned system of ropes and pulleys for examining and treating any hoof issues.

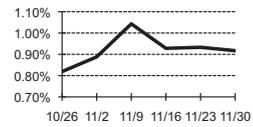
Now back in operation, the bovine tilt table gets regular use, and Brockman's ingenious design continues to benefit WCVM clinicians and students as well as western Canadian cattle producers.

Visit www.usask.ca/wcvm/fifty-years

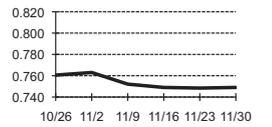
THE WESTERN PRODUCER

Congratulating the Western College of Veterinary Medicine on 50 years!

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Bank of Canada 5-yr rate

CDN. DOLLAR:
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Nov. 30

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AG STOCKS NOV. 23-27

The U.S. economy grew at 2.1 percent in the third quarter, raising expectations that the Federal Reserve will increase interest rates Dec. 15-16. For the week, the Toronto Stock Exchange composite fell 0.5 percent, the Dow fell 0.1 percent, the S&P 500 was almost unchanged and the Nasdaq rose 0.5 percent. Cdn. exchanges in \$Cdn. U.S. exchanges in \$U.S.

GRAIN TRADERS

NAME	EXCH	CLOSE	LAST WK
ADM	NY	36.46	35.83
AGT Food	TSX	32.35	32.05
Bunge Ltd.	NY	67.01	65.52
ConAgra Foods	NY	41.65	40.85

PRAIRIE PORTFOLIO

NAME	EXCH	CLOSE	LAST WK
Ceapro Inc.	TSXV	0.45	0.365
Cervus Equip.	TSX	14.32	13.90
Input Capital	TSXV	1.88	1.96
Rocky Mtn D'ship	TSX	6.64	6.65

FOOD PROCESSORS

NAME	EXCH	CLOSE	LAST WK
Hormel Foods	NY	75.01	68.17
Maple Leaf	TSX	22.07	20.78
Premium Brands	TSX	37.91	37.74
Tyson Foods	NY	50.55	43.65

FARM EQUIPMENT MFG.

NAME	EXCH	CLOSE	LAST WK
Ag Growth Int'l	TSX	29.58	29.99
AGCO Corp.	NY	50.04	48.64
Buhler Ind.	TSX	5.70	5.70
Caterpillar Inc.	NY	71.22	71.14
CNH Industrial N.V.	NY	7.22	6.70
Deere and Co.	NY	79.09	75.48

FARM INPUT SUPPLIERS

NAME	EXCH	CLOSE	LAST WK
Agrium	TSX	128.26	126.69
BASF	OTC	82.65	82.58
Bayer Ag	OTC	133.54	134.04
Dow Chemical	NY	52.01	53.32
Dupont	NY	67.09	66.70
BioSynt Inc.	TSXV	7.01	7.05
Monsanto	NY	95.43	96.09
Mosaic	NY	31.05	31.26
PotashCorp	TSX	26.10	26.67
Syngenta	ADR	73.60	73.56

TRANSPORTATION

NAME	EXCH	CLOSE	LAST WK
CN Rail	TSX	79.67	80.43
CPR	TSX	194.83	198.88

List courtesy of Ian Morrison, financial adviser with the Calgary office of Raymond James Ltd., member of the Canadian Investor Protection Fund. The listed equity prices included were obtained from Thomson Reuters. The data listed in this list has been obtained from sources believed to be reliable, but accuracy cannot be guaranteed. Within the last 12 months, Raymond James Ltd. has undertaken an underwriting liability or has provided advice for a fee with respect to the securities of AGT Food. For more information, Morrison can be reached at 403-221-0396 or 1-877-264-0333.

EQUIPMENT
Tingley's now carries JCB equipment

JCB Tingley's Harvest Center is partnering with manufacturer JCB at its North Battleford Sask., and Lloydminster Alta., locations.

The new entity will be called Tingley's JCB and adopt JCB's overall look and brand.

The dealership now carries JCB's articulated telehandlers, wheel loaders, excavators, agricultural and compact Loadalls, Fastrac high speed agricultural tractors and skid steer and compact track loaders.

Tingley's is also a full service Claas dealer.

FARM FESTIVALS

Experiential travel taking off

Saskatoon family works hard to ensure agritourism festival experience is fun for families

BY ASHLEY ROBINSON
SASKATOON NEWSROOM

Festivals, U-pick farms and on-farm distilleries are all part of a growing sector of tourism called experiential travel.

To be successful, farm entrepreneurs involved in agritourism have to ensure that they provide an enjoyable experience that keeps their guests happy. This takes a lot of planning and lots of helpers.

"Agritourism is travel that is associated with agriculture. It could mean going to a farmers market, to a U-pick fruit operation ... it could mean going to an experiential kind of event on a farm," said Susan Nicoll, a manager with Manitoba Agriculture.

Barb Stefanyshyn-Cote and her husband, John Cote, are selling experiences as well as products at their farm, Tierra Del Sol.

The former grain producers sold the family farm five years ago and bought 80 acres close to Saskatoon. They were looking for new experiences and challenges but still remain in agriculture.

The family now grows and sells flowers, produces floral arrangements and has a U-pick.

Tierra Del Sol started selling its flowers at a farmers market in Saskatoon, which got the word out about their business.

They also host on-farm festivals to draw attention to their business.

This summer they hosted their second lily festival, attracting 500 visitors. Their third annual pumpkin festival this fall attracted 5,000 people.

The pumpkin festival includes activities such as pumpkin rolling, cucumber tee ball and horse drawn wagon rides and features a pumpkin-ingredient filled menu.

"It's like any start-up venture that you've got years and years of development and now we're into that area that it's growing," Cote said.

The Cotes rely on their staff of four to six seasonal employees, their four children and 20 to 30 volunteers to run the festivals. They hope the pumpkin festival will grow and become more profitable, and at that point they'd like to have full-time staff.

"We've got some chefs, we utilize their skills but we also have a lot of volunteers that spend time in the kitchen and helping us out. We're very grateful for them," Stefanyshyn-Cote said.

Planning the pumpkin festival is a year long endeavour. The Cotes gather their staff following the festival in November and go over what worked and didn't work. They then decide on what they need to change.

"The work involved is obviously prepping the location, cleaning it up, making sure everything's in place, bringing in washrooms,



Tierra Del Sol's pumpkin festival drew a big crowd this fall at the Saskatoon farm. | WILLIAM DEKAY PHOTO

making sure that there is sufficient food for everyone," Stefanyshyn-Cote said.

"Making sure the setup is good so that the people flow in a good direction, that there's no congestion. Those are some of the things that you really have to pay attention to."

The Cotes use Facebook and their website to get the word out about Tierra Del Sol and regularly update both.

They use the coming event sections in newspapers and buy a few advertisements to promote the festivals and send out a news release to local media outlets beforehand to encourage publicity.

Pumpkin festival attendees are charged \$10 per vehicle, which covers the cost of the activities and helps the Cotes make a profit. Revenue also comes from tickets for

the activities and food sales.

Liability insurance is an important part of hosting these festivals.

"Insurance is a must and we check with them whenever we're adding new events and they do their checking," Stefanyshyn-Cote said.

"So that's a very important part of operating festivals and having people out."

The couple believes diversity is the key to success in the agritourism industry and recently opened the BlackFox Spirits distillery on their farm.

"Every good business has multiple streams of income, that you're not only relying on one thing," Stefanyshyn-Cote said.

"Like if we have a wreck with the flowers, the pumpkins will come on, the distillery will still be here."

The Cotes hope to host more fes-

tivals and have recently began hosting weddings.

They also see room for growth in the agritourism industry in Saskatchewan.

"There's room for a lot more in the province, I think people are really hungry to go out and experience a farm," Cote said.

Jonathan Potts, executive director of marketing and communications at Tourism Saskatchewan, has seen a lot of growth in the industry in Saskatchewan over the last 20 years.

"We've seen a lot of entrepreneurs start up new businesses, whether it's orchards or wineries or distilleries that are using Saskatchewan products ... so it's really an evolving industry," he said.

ashley.robinson@producer.com

FARM EQUIPMENT

Deere sees weak sales

Company cutting costs to lift cash flow as farm economy remains soft

(Reuters)—Fourth quarter earnings at Deere & Co. did not fall as much as Wall Street expected, and the company gave a less dire outlook than analysts had feared, saying it is well-positioned to weather a worsening slump in demand for its farm equipment.

Shares of the maker of John Deere equipment rose following the report.

Chief financial officer Raj Kalathur told analysts on a conference call that while the company forecasts its third straight year of reduced sales of agricultural equipment, which is its main business, it also expects to remain “solidly profitable.”

“We are forecasting a very healthy level of cash flow of over US\$2.5 billion in 2016,” Kalathur said.

“Our actions and proactively controlling expenses, costs, and managing assets have enabled us to deliver substantially better results than in any of the past downturns.”

Deere expects total equipment sales to drop 11 percent in its first quarter, which began Nov. 1, and fall about seven percent for the year.

Deere also forecast net income attributable to the company at \$1.4 billion for fiscal 2016, down from \$1.94 billion in 2015. Analysts on average were expecting about \$1.31 billion, according to Thomson Reuters.

Deere may have beaten analysts' expectations, but market fundamentals largely remain weak.

The company relies on the United States and Canada for the bulk of its sales and revenue. However, industry sales of high-powered four-wheel drive tractors in those countries are down 42 percent in the first 10 months of the year, the Association of Equipment Manufacturers said. Sales of combines are down 35 percent in the same period, but small tractors of less than 40 horsepower are up eight percent.

The U.S. Department of Agriculture expects U.S. net farm income to show a 38 percent drop to \$55.9 billion in 2015.

In Europe, the agriculture market is also under pressure because of lower farm income. And in South America, Brazil has gone further into a recession.

Deere also faces a glut of used equipment, which could force it to slow production or cut jobs, said Argus Research analyst Bill Selesky.

Used equipment, especially large tractors in the United States and Canada, remain a challenge, said Tony Huegel, Deere's director of investor relations. However, moving them out of inventory stocks will be a focus in 2016.

In the fourth quarter ended Oct. 31, net income attributable to Deere fell 45.9 percent to \$351.2 million, or \$1.08 per share, from a year earlier.

Analysts on average expected 75 cents per share, according to Thomson Reuters.



Deere & Co. said it well-positioned to weather a worsening slump in demand for its farm equipment. | FILE PHOTO

MEAT INDUSTRY

Maple Leaf plans to cut 400 jobs

(Reuters)—Maple Leaf Foods Inc. plans to cut 400 management jobs, or about three percent of its workforce, saying it was ready to streamline operations after starting up Canada's biggest meat plant.

The announcement came nearly a month after the meat packer pushed back its timeline for hitting a key profitability target.

Maple Leaf, one of Canada's biggest pork processors, said Nov. 25 that most of the job cuts would be completed by the end of this year and the rest next year.

Nearly half of the positions are based in the Mississauga, Ont.,

head office, said spokesperson Dave Bauer. Sixty-four are based at the new Hamilton, Ont., meat plant, where analysts noted excess staff and supervisors during a recent tour, and the rest of the job cuts are scattered across Canada.

“After years of change and transformation, we're now in a position to streamline the organization so we can operate as efficiently as possible,” Bauer said. He declined to disclose the savings or one-time costs involved with the cuts.

The company employs 12,000 people in Canada, the United States and Asia.

Maple Leaf had rolled out a program in 2010 to boost earnings by shutting some plants and modernizing others.

The company's restructuring costs fell 76 percent in the third quarter as it nears completion of the program.

In October, Maple Leaf delayed into 2016 its target for increasing earnings before interest, taxes, depreciation and amortization as a percentage of revenue to 10 percent.

The profitability measure amounted to 7.1 percent in the third quarter.

CAPITAL GAINS EXEMPTION

Qualified property key to exemption

TAKING CARE OF BUSINESS



COLIN MILLER

property can qualify if used in the farming business by you, your spouse, your parents, your children, a family farming corporation or a family farm partnership.

Farming property generally qualifies if these conditions are met:

- You have owned the property for at least two years before selling it.
- You have used the property in the business of farming on a regular and continuous basis. This is met if you or one of your family members has farmed it for half of the years it has been owned.
- You have earned more gross income from farming than from any other source for any two years it was owned.

Special rules apply if the property was acquired before June 18, 1987. If the property has not changed ownership since that date, then any of the following criteria could qualify the property:

- The property was used principally in the business of farming in the year of disposal.
- The property was used principal-

ly in the farming business in at least five years of ownership.

• Meets the post June 17, 1987, rules. However, planning opportunities exist if it does not look like you will meet all of this criteria and you want your property to qualify.

It's always possible that tax law will change in the future. Any owner of farmland may consider using the capital gains exemption deduction today to increase the cost base of the land to lock in this tax benefit and lower future capital gains.

Several techniques can be used, including selling to a spouse, child, corporation, partnership or trust.

Owners of farm property who are considering selling it should obtain professional advice.

Planning can be done to ensure the farm property qualifies for the deduction.

Riley Honess and Patrick Klatt of KPMG contributed to this article.

Colin Miller is a chartered accountant and partner with KPMG's tax practice in Lethbridge. Contact: colinmiller@kpmg.ca.

CANADIAN WESTERN Agribition

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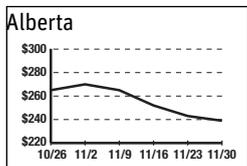


Special thank you to the 400+ volunteers!

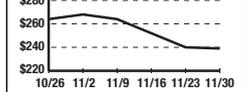


CATTLE & SHEEP

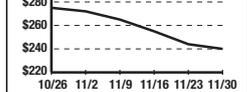
Steers 600-700 lb. (average \$/cwt)



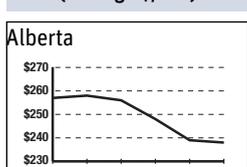
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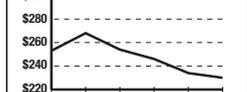
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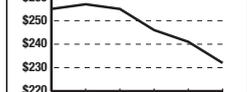
Heifers 500-600 lb. (average \$/cwt)



Saskatchewan



Manitoba



Canadian Beef Production

million lb.	YTD	% change
Fed	1655.1	-2
Non-fed	225.6	-8
Total beef	1880.7	-3

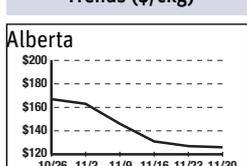
EXCHANGE RATE NOV. 30

\$1 Cdn. = \$0.7490 U.S.
\$1 U.S. = \$1.3351 Cdn.

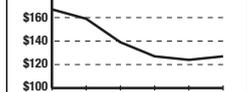
HOGS

Due to wide reporting and collection methods, it is misleading to compare hog prices between provinces.

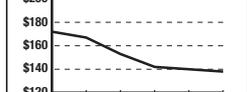
Index 100 Hog Price Trends (\$/c/kg)



Saskatchewan



Manitoba



ELEVATOR SHIPMENTS

Slaughter Cattle (\$/cwt)

Grade A	Live		Previous	Year ago	Rail		Previous
	Nov. 20-Nov. 26	Nov. 13-Nov. 19			Nov. 20-Nov. 26	Nov. 13-Nov. 19	
Steers							
Alta.	157.00	n/a	159.90	265.00-268.50	n/a		
Ont.	146.56-165.81	140.49-161.47	174.74	260.00-266.00	260.00-271.00		
Heifers							
Alta.	n/a	n/a	n/a	n/a	n/a		
Ont.	140.38-158.99	144.62-160.24	165.46	259.00-265.00	259.00-270.00		

*Live f.o.b. feedlot, rail f.o.b. plant. Canfax

Feeder Cattle (\$/cwt)

	Sask.				Man.				Alta.				B.C.			
	900-1000	800-900	700-800	600-700	900-1000	800-900	700-800	600-700	900-1000	800-900	700-800	600-700	900-1000	800-900	700-800	600-700
Steers																
900-1000	205-216	200-212	210-218	190-209												
800-900	209-219	208-222	217-224	200-218												
700-800	222-235	217-231	223-235	218-232												
600-700	231-247	229-255	232-250	227-244												
500-600	251-282	250-288	254-280	245-274												
400-500	288-320	284-321	293-326	283-322												
Heifers																
800-900	190-209	193-208	201-214	190-213												
700-800	202-213	197-215	207-216	195-215												
600-700	208-224	211-225	214-227	213-232												
500-600	221-244	223-245	229-251	225-252												
400-500	247-275	245-277	252-282	237-261												
300-400	274-303	278-301	290-325	280-322												

Average Carcass Weight

Canfax	YTD 15				YTD 14			
	Nov. 21/15	Nov. 22/14	YTD 15	YTD 14	Nov. 21/15	Nov. 22/14	YTD 15	YTD 14
Steers	951	905	891	859				
Heifers	854	823	819	793				
Cows	718	687	724	684				
Bulls	984	923	1006	929				

U.S. Cash cattle (\$/cwt)

Slaughter cattle (35-65% choice)	Steers		Heifers	
	National	Kansas	Nebraska	Nebraska (dressed)
	126.82	127.00	127.00	196.00
	n/a	n/a	n/a	196.00

Feeders No. 1 (800-900 lb)	Steers		Trend	
	South Dakota	Billings	Dodge City	USDA
	165.50-173.00	n/a	n/a	n/a
	n/a	n/a	n/a	n/a

Cattle / Beef Trade

	Exports		% from 2014	
	Slt. cattle to U.S. (head)	Feeder C&C to U.S. (head)	Total beef to U.S. (tonnes)	Total beef, all nations (tonnes)
	440,109 (1)	283,355 (1)	174,099 (3)	236,782 (3)
	-32.9	-27.6	+6.2	+1.4
			Imports	
			% from 2014	
	Slt. cattle from U.S. (head)	Feeder C&C from U.S. (head)	Total beef from U.S. (tonnes)	Total beef, all nations (tonnes)
	n/a (2)	27,218 (2)	114,550 (4)	181,989 (4)
	-16.6	-9.1	-1.7	

(1) to Nov 14/15 (2) to Sept 30/15 (3) to Sept 30/15 (4) to Nov 21/15

Agriculture Canada

Cattle Slaughter

To Nov 21	Fed. inspections only	
	Canada	U.S.
To date 2015	2,255,937	25,631,588
To date 2014	2,436,532	27,020,688
% Change 15/14	-7.4	-5.1

Chicago Futures (\$/cwt)

Live Cattle	Close		Trend	Year ago
	Nov. 27	Nov. 20		
Dec	131.83	129.70	+2.13	168.88
Feb	133.85	132.03	+1.82	169.23
Apr	134.13	132.75	+1.38	169.00
Jun	125.13	124.35	+0.78	161.30
Aug	122.98	122.08	+0.90	158.55

Feeder Cattle	Close		Trend	Year ago
	Nov. 27	Nov. 20		
Jan	166.03	163.65	+2.38	-231.08
Mar	163.68	162.03	+1.65	230.20
Apr	165.13	163.60	+1.53	230.78
May	165.33	164.20	+1.13	230.85
Aug	166.80	165.55	+1.25	231.43

Est. Beef Wholesale (\$/cwt)

Montreal	This wk		Last wk	Yr. ago
	Nov. 23	Nov. 16		
	n/a	311-314	n/a	n/a

Sheep (\$/lb.) & Goats (\$/head)

Wool sheep	Nov. 23		Nov. 16	
	55-69 lb	70-85 lb	86-105 lb	> 106 lb
	2.20-2.40	1.85-2.20	1.64-1.92	1.60-2.07
	2.20-2.38	1.81-2.22	1.64-1.92	1.60-2.07

New lambs	Nov. 23		Nov. 16	
	65-80 lb	80-95 lb	> 95 lb	> 110 lb
	2.60-2.85	2.12-2.30	2.00-2.20	1.80-2.00
	2.55-2.67	2.15-2.56	1.85-2.06	1.75-1.85

Feeder lambs	Nov. 23		Nov. 16	
	Sheep	Rams	Kids	
	1.90-2.30	0.90-1.20	0.87-1.12	75-125
	1.50-2.20	0.85-1.10		

Ontario Stockyards Inc.

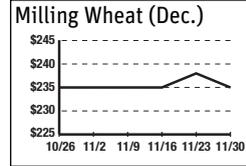
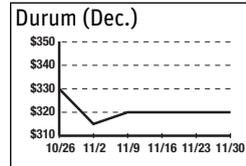
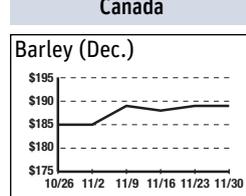
To Be Shipped: Nov. 15

Wool lambs <80 lb	Wool lambs 81-95 lb	Wool lambs 96-115 lb	Hair lambs <95 lb
1.70	1.60	1.50	1.50

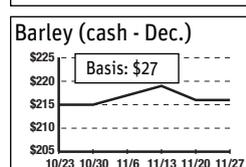
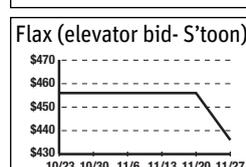
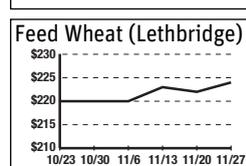
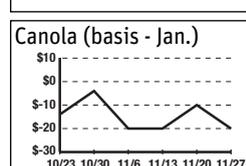
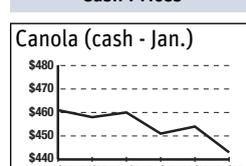
Sask. Sheep Dev. Bd.

GRAINS

ICE Futures Canada

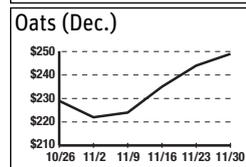
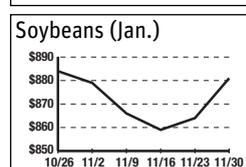
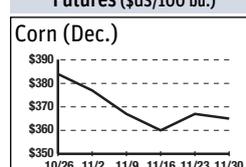


Cash Prices

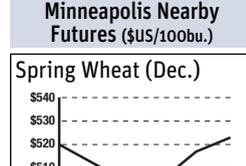


Canola and barley are basis par region. Feed wheat basis Lethbridge. Basis is best bid.

Chicago Nearby Futures (\$/100 bu.)



Minneapolis Nearby Futures (\$/100bu.)



Pulse and Special Crops

Source: STAT Publishing, which solicits bids from Maviga N.A., Legumex Walker, CGF Brokerage, Parrish & Heimbecker, Simpson Seeds and Alliance Grain Traders. Prices paid for dressed product at plant.

	Nov. 27	Nov. 20	Oct. 30
Laird lentils, No. 1 (c/lb)	60.00	58.00	53.00
Laird lentils, Xtra 3 (c/lb)	47.00	43.00	43.00
Richlea lentils, No. 1 (c/lb)	54.00	54.00	47.00
Eston lentils, No. 1 (c/lb)	50.00	46.00	44.00
Eston lentils, Xtra 3 (c/lb)	41.00	39.00	33.00
Sm. Red lentils, No. 2 (c/lb)	51.00	47.00	45.00
Sm. Red lentils, Xtra 3 (c/lb)	45.00	42.00	38.00
Peas, green No. 1 (\$/bu)	8.75	8.50	8.50
Peas, Large, yellow No. 1 (\$/bu)	10.00	10.00	9.50
Peas, sm. yellow No. 2 (\$/bu)	10.00	9.30	9.00
Feed peas (\$/bu)	6.60	6.50	4.85
Maple peas (\$/bu)	10.00	10.00	10.00
Mustard, yellow, No. 1 (c/lb)	52.00	51.00	48.50
Mustard, Oriental, No. 1 (c/lb)	52.00	50.00	44.00
Mustard, Brown, No. 1 (c/lb)	36.00	36.00	33.00
Canaryseed (c/lb)	29.00	29.00	29.00
Desi chickpeas (c/lb)	27.00	27.00	27.00
Kabuli, 8mm, No. 1 (\$/mt)	771.60	771.60	771.60
Kabuli, 7mm, No. 1 (\$/mt)	507.10	507.10	507.10
B-90 ckpeas, No. 1 (\$/mt)	551.20	551.20	551.20

StatPublishing was having technical difficulties updating prices. They are now resolved.

Cash Prices

	Nov. 25	Nov. 18	Year Ago
No. 3 Oats Saskatoon (\$/tonne)	164.15	158.21	124.94
Sfnlwr NuSun Enderlin ND (c/lb)	17.05	16.65	17.90

U.S. Grain Cash Prices (\$/bu.)

USDA	Nov. 25		Nov. 18	Year Ago
No. 1 DNS (14%) Montana elevator			4.84	4.84
No. 1 DNS (13%) Montana elevator			4.52	4.52
No. 1 Durum (13%) Montana elevator			6.75	6.75
No. 1 Malt barley Montana elevator			4.80	4.80
No. 2 Feed barley Montana elevator			2.40	

FALL FEEDER |

A redpoll cracks open a pod and eats canola seeds from leftover plants at the edge of a field east of Brant, Alta. | MIKE STURKPHOTO



THE WESTERN PRODUCER

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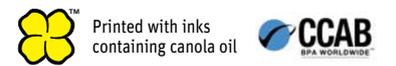
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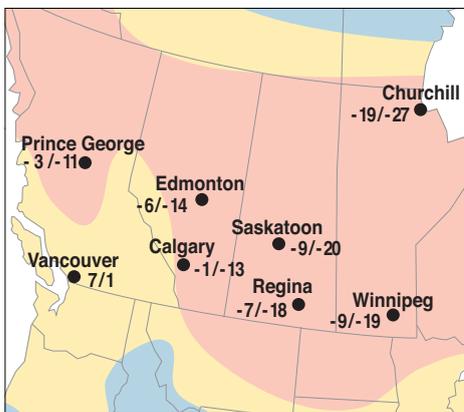
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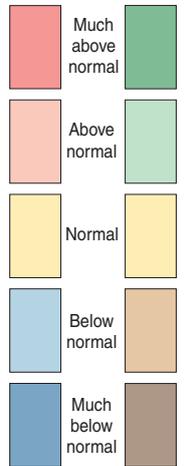
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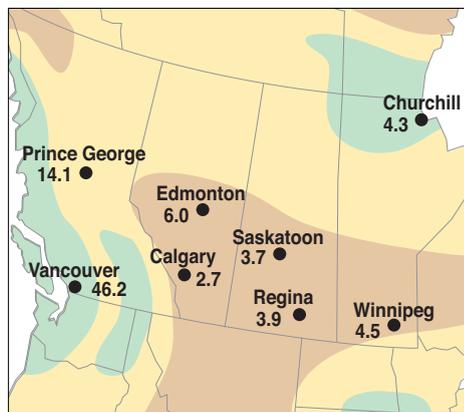
TEMPERATURE FORECAST
 Dec. 3 - 9 (in °C)



TEMP. MAP



PRECIPITATION FORECAST
 Dec. 3 - 9 (in mm)



The numbers on the above maps are average temperature and precipitation figures for the forecast week, based on historical data from 1971-2000. Maps provided by WeatherTec Services: www.weathertec.mb.ca n/a = not available; tr = trace; 1 inch = 25.4 millimetres (mm)

LAST WEEK'S WEATHER SUMMARY ENDING NOV. 29

SASKATCHEWAN

	Temperature last week		Precipitation since Nov. 1		
	High	Low	mm	mm	%
Assiniboia	3.9	-18.5	0.0	12.6	98
Broadview	3.3	-17.6	0.7	14.7	77
Eastend	5.4	-18.1	1.4	15.2	85
Estevan	3.0	-19.2	1.1	13.9	78
Kindersley	0.7	-21.4	5.4	24.8	208
Maple Creek	6.3	-21.0	2.3	22.2	136
Meadow Lake	4.3	-19.1	1.3	4.8	25
Melfort	-0.4	-18.7	9.1	19.3	127
Nipawin	-0.3	-17.8	6.6	20.7	116
North Battleford	0.1	-24.0	2.9	13.2	82
Prince Albert	1.0	-20.8	8.1	24.8	146
Regina	4.0	-17.2	0.3	12.3	89
Rockglen	4.4	-20.5	0.9	12.7	89
Saskatoon	-0.6	-23.5	3.1	19.0	137
Swift Current	4.8	-18.4	0.0	17.2	127
Val Marie	4.1	-24.8	0.8	15.6	111
Yorkton	1.0	-15.9	2.2	30.5	163
Wynyard	2.8	-16.5	6.2	29.2	177

ALBERTA

	Temperature last week		Precipitation since Nov. 1		
	High	Low	mm	mm	%
Brooks	4.5	-21.1	1.3	8.1	63
Calgary	7.9	-16.3	2.1	9.1	69
Cold Lake	7.0	-15.9	1.3	20.3	108
Coronation	1.7	-21.0	4.1	8.4	71
Edmonton	3.5	-31.2	9.7	14.8	82
Grande Prairie	2.8	-18.3	1.0	34.0	135
High Level	6.6	-27.2	0.0	3.2	12
Lethbridge	4.7	-23.8	0.0	14.5	94
Lloydminster	0.4	-19.6	3.7	12.4	74
Medicine Hat	9.0	-19.3	2.9	15.7	106
Milk River	2.2	-19.3	1.1	16.6	90
Peace River	3.2	-18.4	0.8	16.1	68
Pincher Creek	5.8	-19.4	5.7	19.9	64
Red Deer	0.2	-26.0	12.4	19.0	123
Stavely	11.6	-15.1	0.0	29.4	148
Vegreville	3.3	-24.9	4.5	17.5	119

All data provided by Agriculture and Agri-Food Canada's National Agroclimate Information Service: www.agr.gc.ca/drought. Data has undergone only preliminary quality checking. Maps provided by WeatherTec Services Inc.: www.weathertec.mb.ca

MANITOBA

	Temperature last week		Precipitation since Nov. 1		
	High	Low	mm	mm	%
Brandon	3.0	-19.3	2.2	18.4	95
Dauphin	3.5	-16.3	5.2	26.3	133
Gimli	-0.4	-18.8	2.2	14.2	57
Melita	5.1	-18.3	0.8	15.2	72
Morden	4.1	-15.6	0.2	15.8	59
Portage La Prairie	2.8	-15.3	1.0	16.0	60
Swan River	1.7	-17.3	8.3	18.9	77
Winnipeg	1.7	-17.5	0.0	15.1	59

BRITISH COLUMBIA

	Temperature last week		Precipitation since Nov. 1		
	High	Low	mm	mm	%
Cranbrook	0.2	-22.2	8.4	57.6	126
Fort St. John	6.1	-18.1	1.2	15.6	54
Kamloops	1.8	-14.1	5.2	32.0	114
Kelowna	3.7	-14.6	4.2	33.7	90
Prince George	-1.5	-19.3	0.0	20.4	38

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