

November 2017 \$8.00

# Better Farming

RURAL HEALTH HUBS

12



## DIVERTING WASTE

Ag Opportunities

24

## SUCCESSION PLANNING

Proposed Tax Changes

44

## FARM BUILDING CODE

Updates Long Overdue

57

## AG AMBASSADOR

Building a Dream

42



**DAVID BUURMA**  
Meeting Growing Demands

SOIL HEALTH

CHEESEMAKING

WEATHER EVENTS

# PEACE OF MIND IS PART OF THE PACKAGE.

6-year extended warranty.

Case IH compact Farmall® A and C series tractors now come with a 6-year extended warranty. That's 72 months with peace of mind at no additional cost. Built to tackle tough chores, these dependable tractors make every dollar work as hard as you do. And with Farmall, you never have to choose value over quality. Every tractor is versatile, reliable and easy-to-use and won't break your budget. Plus, you get peace of mind knowing we've got your back.



**6-Year Extended Warranty.** Case IH has your back with a FREE 6-year extended warranty that includes 2 years of base coverage plus an additional 4 years of extended coverage on specific components for compact Farmall A and C series II non-CVT tractors. Ask us for details.

## See your local Case IH dealer for great offers on Case IH equipment!

### **Kucera Farm Supply Ltd.**

Alvinston, 519.898.2961

### **Stratford Farm Equipment**

Arva, 519.659.0429

### **Church's Farm Supplies Ltd.**

Barrie, 705.458.0870

### **Anderson Equipment Sales**

Belleville, 613.969.6246

### **O'Neil's Farm Equipment**

Binbrook, 905.572.6714

### **Brant Tractor**

Brantford, 519.449.2500

### **Reis Equipment**

Carp, 613.836.3033

### **Can-Am Tractor Ltd.**

Chatham, 519.351.4300

### **Galer Farm Equipment Ltd.**

Dundas, 905.628.0551

### **Stoltz Sales & Service**

Elmira, 519.669.1561

### **Stewart's Farm Equipment**

Erin, 519.833.9616

### **Delta Power Equipment**

Essex, 519.776.5238

### **Delta Power Equipment**

Exeter, 519.235.2121

### **Delta Power Equipment**

Forest, 519.786.5335

### **Doughty & Williamson**

Jarvis, 519.587.2273





**Hub International Equipment Ltd.**

Lindsay, 705.324.6136

**Stoltz Sales & Service**

Listowel, 519.291.2151

**Stoltz Sales & Service**

Mildmay, 519.367.2672

**Stratford Farm Equipment**

New Hamburg, 519.662.1780

**Hub International Equipment Ltd.**

Port Perry, 905.982.1500

**Reis Equipment**

Renfrew, 613.432.4133

**Delta Power Equipment**

Seaforth, 519.527.0120

**Norfolk Tractor Co.**

Simcoe, 519.426.1090

**Vandenbrink Farm Equipment**

Sparta, 519.775.2601

**Reis Equipment**

St. Isidore, 613.527.1501

**Chas Richards & Sons Ltd.**

Stouffville, 905.640.3830

**Stratford Farm Equipment**

Stratford, 519.393.6121

**Redtrac International**

Vineland, 905.562.4136

**Reis Equipment**

Winchester, 613.774.2273

**Stratford Farm Equipment**

Woodstock, 519.423.6264



**DEAR READER: LETTERS FROM A FAMILY FARM**  
**RURAL TIES TO HEALTH CARE**

In my monthly note to readers, I've often focused on my family's experiences on our farm and in our local rural community.

But another main component of my family's story centres on my mother's off-farm employment. **Mom**, through this career, has contributed to the family in a range of ways.

As with many farm families, Mom's off-farm income helps to support the household. Watching Mom, my sister **Jessica** and I also learned how to balance family and the pursuit of an engaging career.

Lately, reflecting on Mom's experiences as a registered nurse, I've noticed some interesting parallels between the farm-residing nurse advancing in her career, and the rural population's access to health care.

At the most basic level, one of the connecting threads is geography.

Mom has always had to commute to her job. And, for many years, this commute was quite lengthy. For a short period, Mom took the train into Toronto – a one hour and 40-minute ride each way – daily. Later, she drove an hour to work at a health care facility outside of London. Mom travelled these distances so that she could work in specialized roles related to her field of expertise.

And, of course, as rural residents, we often have to commute in order to ensure access to the health care services that we need.

Individuals in my part of Oxford County, for example, might receive chemotherapy treatments at the Woodstock General Hospital but will typically travel further afield, such as to London, for diagnosis or more complicated treatments.

This month, writer **Jim Algie** delves into the topic of rural access to health care. He highlights the development of rural health hubs, which are attempts to ensure rural Ontarians can easily access acute care and non-acute care services. Algie also explores the efforts to address rural Ontario's physician shortage.

Given the specialized needs of rural communities, I believe that it is important for us to keep up to date with the changes in our health care system.

We need to thank our medical professionals for all of the work that they do. But we also need to be willing to advocate for our families and communities if and when we see opportunities for improvement. Hopefully, Algie's piece provides some helpful insights into the state of rural health care. **BF**

ANDREA M. GAL

**PUBLISHER & EDITORIAL DIRECTOR**

Paul Nolan 888-248-4893, ext 202  
 paul.nolan@betterfarming.com

**MANAGING EDITOR**

Andrea M. Gal, PhD 888-248-4893, ext 201  
 andrea.gal@farms.com

**STAFF WRITER**

Kaitlynn Anderson 888-248-4893, ext 213  
 kaitlynn.anderson@farms.com

**RESEARCH & DATA COORDINATOR**

Jan Kertesz

**DESIGN & PRODUCTION**

Tanya Myers, Shaun Clark, Greg Marlow

**CONTRIBUTORS**

Moe Agostino, Jim Algie, Kate Ayers, Joe Callahan, Campbell Cork, Dale Cowan, Luke Edwards, Rachel Gingell, Abhinesh Gopal, Patrick Lynch, Ryan Paranyi, Ralph Winfield

**CONTRIBUTING EDITOR**

Franklin Carter

**ADVERTISING SALES TEAM**



**Ann Hepburn** 888-248-4893, ext 286  
 ann.hepburn@farms.com



**Jeff McKee** 888-248-4893, ext 917  
 jeff.mckee@betterfarming.com



**Shannon Ortiz** 888-248-4893, ext 212  
 shannon.ortiz@farms.com



**Samantha Renaud** 866-519-4302, ext 257  
 samantha.renaud@farms.com



**Glenn Ruegg** 888-248-4893, ext 916  
 glenn.ruegg@betterfarming.com



**Jennifer Stewart** 888-248-4893, ext 256  
 jennifer.stewart@betterfarming.com



**SUBSCRIPTION INFORMATION**

**Mailed within Canada**

\$41 for 11 issues over one year (including \$4.72 HST)  
 \$74 for 22 issues over two years (including \$8.51 HST)  
 Back issues \$12 (including \$1.38 HST)

**To subscribe or update an address**

**Call:** 1-888-248-4893 ext 281

**Email:** subscriptions@betterfarming.com

**Mail to:** 52 Royal Rd., Unit A, Guelph, ON N1H 1G3

**Mailed to U.S.:** \$72 for 11 issues over one year

**International** \$121 for 11 issues over one year

GST Registration #868959347RT0001

POSTMASTER: Send address changes to AgMedia Inc.

52 Royal Rd., Unit A, Guelph, Ontario N1H 1G3

Publications Mail Registration No. 1156

Publications Mail Agreement No. 40037298

Email: subscriptions@betterfarming.com

Copyright © 2017 by AgMedia Inc. All rights reserved.

Reproduction of any article, photograph or artwork without written permission of the publisher is strictly forbidden. The publisher can assume no responsibility for unsolicited material.

*Better Farming* is published 11 times a year by AgMedia Inc. (on the first of every month, with a blended issue in June/July).

Acceptance of advertising does not constitute endorsement of the advertiser, its products or services, nor does AgMedia make any claims or guarantees as to the accuracy or validity of advertisers' claims. The publisher shall have no liability for the unintentional omission of any scheduled advertising.

Printed in Canada. Printed with Soy Ink.



**THE GAP BETWEEN RURAL PHYSICIANS AND RESIDENTS IN 2016**

**14%** Fourteen per cent of Ontarians live in rural communities

**5%** but only five per cent of Ontario's doctors practice in rural areas.

Canadian Institute for Health Information and Statistics Canada, 2016 Census of Population.

**See "Supporting rural Ontario's health care" on page 12.**





# FARMING IS REALLY REWARDING

Introducing **DEKALB Reap Rewards™**, the new grower discount program from the DEKALB® brand.

The more seed you buy, the more you can save. See your DEKALB brand seed dealer before **November 15, 2017** to learn how to maximize your DEKALB Reap Rewards opportunity.



**DEKALB**  
**REAP REWARDS™**

Additional Terms and Conditions apply. For questions about **DEKALB Reap Rewards™** please see your DEKALB brand Seed Dealer or call **1-84-GO DEKALB**.

**Monsanto Company is a member of Excellence Through Stewardship® (ETS).** Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. These products have been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from these products can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for these products. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

**ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** Roundup Ready 2 Xtend® soybeans contain genes that confer tolerance to glyphosate and dicamba. Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate, and those containing dicamba will kill crops that are not tolerant to dicamba. Contact your Monsanto dealer or call the Monsanto technical support line at 1-800-667-4944 for recommended Roundup Ready® Xtend Crop System weed control programs. Roundup Ready® technology contains genes that confer tolerance to glyphosate, an active ingredient in Roundup® brand agricultural herbicides. Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate. Acceleron®, DEKALB®, DEKALB and Design®, DEKALB Reap Rewards™, Genuity and Design®, RIB Complete®, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, Roundup®, SmartStax® and VT Double PRO® are trademarks of Monsanto Technology LLC, Monsanto Canada Inc. licensee. LibertyLink® and the Water Droplet Design are trademarks of Bayer. Used under license. Herculex® is a registered trademark of Dow AgroSciences LLC. Used under license. ©2017 Monsanto Canada Inc.

# DIETARY FAT LINKED TO LONGER LIFE

Fat in the human diet at as much as 35 per cent of energy intake “is associated with a lower risk of death” when compared with lower fat intake, an August study from **McMaster University** found.

The study of 135,000 people on five continents found no association between dietary fats and cardiovascular disease, the university says.

This finding is further evidence that dietary research continues to evolve, even as **Health Canada** continues work on controversial revisions to **Canada’s Food Guide**. Specifically, these revisions include new limits on high-fat dairy foods and red meats.

Public consultations closed in mid-August after more than 20,000 submissions. Final recommendations are expected in 2018 and early 2019.

Principal researcher **Dr. Mahshid Dehghan** is arguing for change.

“Our hope is that dietary guidelines will be reconsidered in light of findings from the present study. Relaxing current restrictions on fat consumption while emphasizing limiting carbohydrate consumption is likely to reduce mortality.

“The message of our study is moderation. Moderation in consumption of both fats and carbohydrates is to be preferred.” **BF**



nehopeloni/Stock/Getty Images Plus photo

## NEW PLANT EXPORT RULES ADDRESSED

**Flowers Canada Growers (FCG)** are creating a resource to help members navigate border crossings, as rules are set to change in the spring for the transport of flowers in containers through the new **United States-Canada Greenhouse-Grown Plant Certification Program**.

This national training program should mitigate any growing pains with the new program, says **Andrew Morse**, FCG executive director.

“We want to make sure farmers are ready to transition,” he says.

The federal government announced nearly \$400,000 in funding for FCG this summer.

“It’s about making sure everybody has the same opportunity to comply.”

An online system should be in place early in 2018 where growers can learn how new rules affect them. **BF**

## BIG BOOST FOR CROPS RESEARCH

New research on corn, leafy greens, wheat and small grains should follow a recently announced partnership of the Washington, D.C.-based **Foundation for Food and Agriculture Research (FFAR)** and seven international plant-breeding concerns.

An independent non-profit organization established under the 2014 **U.S. Farm Bill**, FFAR unveiled a US\$10 million commitment to its **Crops of the Future Collaborative**. It’s a partnership with private sector plant breeders and gene researchers, as well as the **International Maize and Wheat Improvement Center** and Brazil’s **Sao Paulo Research Foundation**.



The group will focus its efforts on crop characteristics for enhanced nutritional qualities and plants’ abilities to cope with environmental challenges, such as drought, heat and flooding, a foundation statement said.

The collaborative held its first executive meeting in August. It expects to hire an executive director shortly, with first research commitments by year end.

The objective is to increase “public-private collaboration and global investment in food and agriculture sciences,” **Sally Rockey**, executive-director of FFAR, said in the release.

Research results are to be shared publicly through scientific publications and information platforms. **BF**

rand22/Stock/Getty Images Plus photo



# PRODUCING PROSPERITY FOR ONTARIO

Join the Ontario Federation of Agriculture (OFA) at its 2017 annual meeting to discuss Producing Prosperity with Ontario farmers, industry representatives and political leaders.

OFA Annual General Meeting

November 20 & 21, 2017

Delta Hotels by Marriott Toronto Airport & Conference Centre  
(formerly the International Plaza Hotel)

655 Dixon Road, Toronto

AGM highlights include:

- ✓ OFA leadership elections
- ✓ Leaders of Ontario's political parties will address OFA delegates
- ✓ New workshops on mental health, new national heritage regulations, communications and more

Pre-registration is required at [ofa.on.ca](http://ofa.on.ca). Follow #OFAgm17 for updates, conversations and highlights of the event on social media.

**OFA: Advocating for greater prosperity across Ontario's agri-food sector.**

## OVC PROF FIRST-EVER AG WINNER

A **Governor General's Innovation Award** for **Ontario Veterinary College** prof **Dr. Bonnie Mallard** highlights expanding applications for her work discovering and applying High Immune Response (HIR) technology in commercial livestock.

Now in its second year, the award identifies Canadians who demonstrate creative use of new knowledge and technology, as well as their successful implementation.

Nominated by **Universities Canada**, Mallard was among six 2017 winners announced this spring and the first-ever agricultural winner.

Mallard and co-workers identified inheritable, high immune response in dairy cattle and developed a testing system for use by breeders.

Dr. Mallard is “highly respected in the genetics side of the industry and she has committed her lifetime to proving the immunity response significance,” **Linda Ness**, manager of strategic communications for **Holstein Canada**, wrote in an email.

The dairy technology is licensed to **Semex Alliance**, where Mallard's Immunity+ system is used to identify and select animals with naturally occurring, superior immune response to crucial diseases.

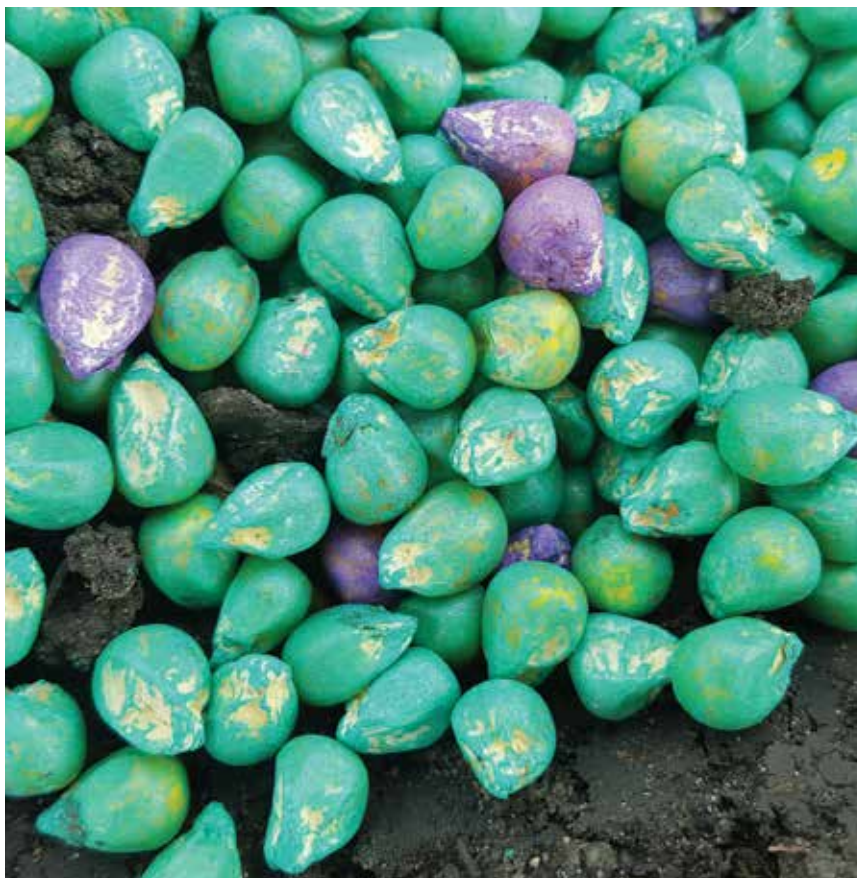
“We've had a very significant uptake in markets all around the world,” **Dr. Steven Larmer**, Semex geneticist, said in an interview, referring to his company's marketing of semen from sires tested using Immunity+ technology.

The award is a “testament to Dr. Mallard's career of outstanding work in this field.”

Mallard and colleagues are working to apply the research to beef cattle and pigs. **BF**



**Dr. Bonnie Mallard**



Dr. C. Maudsley/istock/Getty Images Plus photo

## NEW REGULATIONS FOR USE OF NEONICS

For the 2018 growing season, some Ontario producers will need to take an extra step in order to adhere to the province's neonics regulations for corn and soybean seed.

These farmers will need to work with a **Professional Pest Adviser (PPA)** in order to purchase seed treated with **Class 12 pesticides**, which include imidacloprid, clothianidin or thiamethoxam.

Specifically, advisers will have to complete any new **Pest Assessment Reports (PAR)**, which provide written proof there is a pest problem requiring the use of neonicotinoid-treated seed.

(Previously, farmers could earn certification from the Integrated Pest Management Course and complete the necessary paperwork on their own.)

Individuals who can serve as PPAs include **Certified Crop Advisers (CCA)** or **professional agrologists**, according to the September edition of **OMAFRA's**

**Crop Talk**. The PPA cannot receive financial incentive to promote the sale of Class 12 pesticide-treated seed over non-treated seed.

Effective Aug. 1, 2017, counties that require a PPA to complete new PARs are: Dufferin, Frontenac, Halton, Lambton, Middlesex, Muskoka, Prince Edward, Stormont, Dundas, Glengarry, Toronto and Wellington. Farmers in other parts of the province will be phased into these requirements over the next two years.

Producers have a lot of questions about these new regulations, such as the cost of getting a professional pest adviser and timing considerations, according to **Ryan Benjamins**, a CCA in Lambton County.

Farmers “should plan well ahead of time and keep good records,” Benjamins said.

PPAs should complete these pest assessment reports in the fall in order to facilitate spring seed orders, he explained. **BF**



# Consider the bar raised. *Again.*



**JOHN DEERE**

*With a job as demanding as yours, you need equipment that can go the distance day after day, year after year. No ifs, ands or buts.*

6R. The next level of comfort and performance.

The 6R was built from the ground up to handle the tough stuff while keeping you cool under the collar. Or warm on those bitterly cold days when you might rather be just about anywhere else.

Up to 40 US GPM for the kind of hydraulic performance that goes big and cycles fast. Over 12,000 pounds (5,443 kg) of hitch lift capacity. And a variety of transmission options, including a game-changing IVT, as well as 30 degrees of right-hand seat swivel available on CommandARM™ equipped cabs. With a 6R, “compromise” won’t even be in your vocabulary.

Take a long look at the 105 to 215 horsepower 6R and learn more about how you can start working without limits.

*Work in comfort. Work without limits. The 6R.*

JohnDeere.ca/6R

giovanni1232/Stock/Getty Images Plus photo



## FAO EXPECTS GLOBAL GRAIN RECORDS

Farm revenue protection programs could get a workout from predicted records for global grain production, according to **Alfons Weersink**, a **University of Guelph** economist.

The August Food Price Index from the **Food and Agriculture Organization (FAO) of the United Nations**, published Sept. 7, dipped 1.3 per cent from the previous month.

The slight decrease was mainly the result of lower cereal prices and expected record production, notably in the Black Sea region. FAO economists also expect world cereal stocks to reach an all-time high by the close of the 2018 growing season.

And the shifts won't surprise Ontario corn and soybean growers, Weersink said.

"Those supply issues relative to demand ... pushed up prices in that 2008 to 2014 period. Now we're sort of back at what farmers have been used to for a while," he said.

Trading appears to have settled lately in the \$4 range with variations depending mainly on weather-related issues. Federal and provincial government officials have begun scheduled talks over possible adjustments to farm support programs but Weersink predicted likely payouts ahead from existing **AgriStability** revenue insurance.

"(AgriStability) hasn't had to make any payouts for a while but there could be (some), given that we've had some good periods to boost up those margins." **BF**

## MENTORSHIP PROGRAM LAUNCHES

This fall, women throughout the province submitted their applications for the new **Ag Women's Network (AWN)** mentorship program. The initiative, inspired by **Amanda Brodhagen**, a fifth-generation farmer and self-proclaimed advocate, is in its pilot year.

"I am excited about matching successful mentee applicants with a 'best case scenario' mentor," said **Joan Craig**, an AWN member helping to organize the program. Craig also raises Speckle Park beef cattle with her husband.

"I believe there are many people who will want to share their wisdom and experience for the benefit of others and for the agri-food industry."

There is no age limitation for participation. "The program is for AWN members of all ages with a sincere interest in goal-setting and positive development," explained Craig.

Brodhagen, who received funding for the project through **Fido** and **Flare's** Go Get Featured contest, is excited to see it come to fruition.

"We would have loved for (the program) to be a national opportunity," said Brodhagen. "But, due to (limited funds and experience), we're launching the pilot in Ontario only." **BF**



monte/businessimages/Stock/Getty Images Plus photo

## A FARMING LIFE: WILLIAM 'BILL' HEEMAN

*Farmer and innovator. Born Dec. 1, 1933; died June 28, 2017 in London, Ont., age 83.*

**Bill Heeman** worked literally until the day he died at the London-area retail greenhouse operation he and his wife, **Susan**, established 54 years ago.

The couple emigrated from Holland in the late 1950s. While Bill was a mechanic by trade, Susan was raised in a family greenhouse business and urged her husband to enter this field.

In 1963, the couple built a 10,000-square-foot (929-square-metre) greenhouse for wholesale tomatoes near a strawberry patch.

The family has since expanded **Heeman's Garden Centre** tenfold to

include greenhouses and retail facilities totalling 130,000 sq. ft. (12,077 sq. m) and 70 acres of

strawberries, Bill's grandson **Will Heeman** said in an interview. The business employs 85, including seven family members.

"(Bill) was 83 but he worked like he was 23," Will said. Bill remained a visible, active participant in the business even after formal succession to

his children eight years ago.

"My grandfather was an innovator in a lot of things but one of the greatest things just came naturally ... making time for customers, making them feel important and answering their questions," Will said. **BF**



Heeman family photo



Soybean Cyst Nematodes (SCN) are the top yield-reducing pest in soybean production.



# ILeVO™

## Think of this ad as your soybean yield.

### 30% could be gone before you've even seen it.

You may not even realize you have it. Soybean Cyst Nematodes (SCN) cause root damage and make soybeans more vulnerable to diseases such as Sudden Death Syndrome (SDS). So when you think of your soybeans and higher yields, think ILeVO™: the only seed treatment that protects against SCN and SDS.

Learn more at [cropscience.bayer.ca/ILeVO](http://cropscience.bayer.ca/ILeVO)

It is estimated that losses from SCN range from \$10-30 million annually, according to the Anderson, Tenuta, Welacky, and

These root diseases are difficult to identify and are often confused with other diseases, abiotic stresses or nutrient deficiencies, which can delay

...y  
...sses  
...to  
...ields.  
...10-20%  
...cyclical yields. SDS is one of the most aggressive soybean root rot pathogens. The root rot phase of SDS will occur in the absence of foliar SDS symptoms. SCN and SDS continue to move to new regions in Ontario and beyond.





# SUPPORTING RURAL ONTARIO'S HEALTH CARE

by JIM ALGIE





**Hospitals in farm and remote communities face funding challenges, but experts are optimistic about the development of rural health hubs.**



In mid-2016, faced with looming deficits, Grey Bruce Health Services (GBHS) officials enacted a Transformation Action Plan to match operations with revenue. Their six-hospital network serves about 100,000 permanent residents, who live generally in northern Grey and Bruce counties, and several thousand seasonal residents.

The plan includes the predictable elements, such as reducing operating costs and introducing efficiencies, often found in such plans. It also makes a case for better provincial government financial support.

Since then, Lance Thurston, president and chief executive officer of GBHS, has been raising public alarms about health care financing for rural areas, and he notes the possible consequences of the provincial funding formula for services such as surgery in local hospitals.

“I say it in every report I write: rural Ontario is under siege,” Thurston said in a recent interview in his office on the ground floor of the 32-year-old regional hospital on the east side of Owen Sound.

Originally designed to house 450 beds, the hospital now has 169 beds. The hospital leases surplus space to tenants, including medical specialists. GBHS – and many other hospitals in Ontario – has worked hard to meet spending expectations from successive Ontario governments.

A former Grey County municipal administrator with a degree in health planning, Thurston oversees hospital business for Owen Sound and smaller, historic hospitals in nearby Meaford, Markdale, Southampton, Wiarton and Lion’s Head.

With an annual budget of \$180 million – 80 per cent of which comes from the province – and a staff of 1,600, GBHS is one of the region’s largest employers.

### **Changing government policies**

“It’s public policy decisions that are being made from Toronto,” Thurston said. “It’s the global economy that is forcing decisions in the private sector. These (factors) all conspire against rural Ontario, so we as communities

## RURAL HEALTH HUBS

have to figure out how to combat that.”

For more than 40 years, governments led by all three major political parties have sought to restrain rising health care costs in the province’s publicly funded system and have significantly altered models of governance.

As recently as June, Dr. Eric Hoskins, minister of health and long-term care, published recommendations from a panel on public health that proposed folding 36 regional public health units into 14 existing Local Health Integration Networks (LHINs). Creation of the LHINs followed changes in 2004 that scrapped 16 District Health Councils, which once advised the province on local health policy. The LHINs have also begun to absorb Community Care Access Centres (CCACs), the local agencies that once supervised home care services.

Provincial efforts at health care system reform have often put pressure on small hospitals and health services



Provincial efforts at health care system reform have often put pressure on small hospitals and health services in rural areas.

in rural areas, even though rural residents tend to be older and face more health challenges than urbanites.

In the mid-1970s, for example, Frank Miller, then minister of health, ordered province-wide hearings to consider his Progressive Conservative

government’s proposal to close 15 hospitals. Author Steve Paikin, in his 2016 biography of Premier Bill Davis, described an incident in the southern Grey County town of Durham where a large, unruly crowd pelted Miller with snowballs over a hospital-closing announcement in their town.

## DEMAND NEW HOLLAND

**Bob Mark New Holland Sales Ltd.**  
Campbellford • 705-653-3700

**Bob Mark New Holland Sales Ltd.**  
Lindsay • 705-324-2221

**Bob Mark New Holland Sales Ltd.**  
Sunderland • 705-357-3121

**Delta Power Equipment**  
Mitchell • 519-348-8467

**Delta Power Equipment**  
St. Marys • 519-349-2180

**Delta Power Equipment**  
Tavistock • 519-655-2441

**Delta Power Equipment**  
Tilbury • 519-682-9090

**Delta Power Equipment**  
Watford • 519-849-2744

**Ebert Welding Ltd.**  
New Liskeard • 705-647-6896

**ESM Farm Equipment Ltd.**  
Wallenstein • 519-669-5176

**Halnor Farm Equipment Ltd.**  
Waterford • 519-443-8622

**Maxville Farm Machinery Ltd.**  
Maxville • 613-527-2834

**McCauley Equipment Sales**  
Orillia • 705-325-4424

**McGavin Farm Supply Ltd.**  
Walton • 519-887-6365

**Oneida New Holland**  
Caledonia • 905-765-5011

**Regional Tractor Sales Ltd.**  
Freelton • 905-659-1094

**Richards Equipment Inc.**  
Barrie • 705-721-5530

**Robert’s Farm Equipment Sales, Inc.**  
Chesley • 519-363-3192

**Robert’s Farm Equipment Sales, Inc.**  
Lucknow • 519-529-7995

**Robert’s Farm Equipment Sales, Inc.**  
Mount Forest • 519-323-2755

**Smiths Farm Equipment (Jasper) Ltd.**  
Jasper • 613-283-1758

**St. Catharines New Holland Ltd.**  
St. Catharines • 905-688-5160

**Stewart’s Equipment**  
Erin • 519-833-9616

**Weagant Farm Supplies Ltd.**  
Winchester • 613-774-2887



EQUIPPED FOR A NEW WORLD™

[agriculture.newholland.com/us](http://agriculture.newholland.com/us)



# THE DAILY DRIVER THAT'S FAR FROM ROUTINE.



## A NEW WORLD DEMANDS NEW HOLLAND.

New Holland has provided an exceptional level of comfort, power and efficiency in its ultimate farmhand—the T4 Series tractors. Common-rail fuel-injection engines with four valves per cylinder deliver more power and torque to easily handle all your daily chores, while reducing your fuel bills and emissions.

- VisionView™ cab with great visibility and 10-vent cooling/heating or the roomy, flat-deck ROPS platform
- Command Arc console gives priority placement to the most-used controls
- A wide selection of transmissions including 12x12 mechanical and power shuttle, 20x20 power shuttle with creeper, 24x24 HiLo Dual Command™ and 40x40 HiLo Dual Command with creeper

Learn more about these 73- to 99-PTO-horsepower tractors at [www.newholland.com/na](http://www.newholland.com/na)



EQUIPPED FOR A NEW WORLD™





**“Part of the challenge for rural health care has been lack of co-ordinated services,” Jim Whaley says.**

“Government interest in rural health policy waxes and wanes,” said Jim Whaley, an independent hospital and health care consultant, in an interview from his Simcoe County home office. “Sometimes they’re interested and sometimes they’re less interested and that’s what’s been happening over decades.”

### Introducing rural health hubs

And there are recent signs of government interest.

A former executive director of the now-defunct Grey Bruce Huron Perth District Health Council, Whaley has consulted widely with rural hospitals over the past 12 years since LHINs took over regional health planning. For the Ontario Hospital Association, Whaley helped prepare a rural health hub concept which lately seems to have attracted government interest as well as support from health care providers.

In August 2016, Premier Kathleen Wynne travelled to Espanola, near Sudbury, to announce \$2.5 million in funding over three years for five “rural health hubs” in Espanola, Dryden, Manitouwadge, Blind River and Haliburton. The announcement followed a 2015 government policy, named Patients First: Action Plan for Health Care.

The rural hubs will help meet the

“unique needs of rural communities” and provide “high-quality care for patients,” a published statement of the premier said.

The concept of health hubs, Whaley said, is to link acute care with a variety of non-acute services in the same or adjacent buildings and to unify administrative services and hospital board supervision.

“To me, the opportunity for co-ordination is way better. Part of the challenge for rural health care has been lack of co-ordinated services,” Whaley said.

Dr. Roger Strasser, dean of the Northern Ontario School of Medicine in Sudbury, also supports the hub concept, which he knows best as a proposal developed within Espanola itself.

“Models that work best in rural and remote communities are models that have been developed in the communities for the communities,” Strasser said.

Likewise, Tina Schankula, an Ontario Federation of Agriculture (OFA) policy researcher, sees rural health hubs as a potential answer to her organization’s long-standing concern about maintaining “equal access for rural residents to affordable, high-quality health care services.”

For the OFA, health care raises

similar economic development issues for rural Ontario as publicly funded municipal and education services, all essential to the future of agriculture, Schankula said. Curiously enough, the concept of co-locating services in “hubs” has also emerged lately in government discussions about declining enrolment in rural schools.

These rural health centres are not always called hubs, and their formats seem to vary from community to community. In Blind River, for example, the town’s District Health Centre has taken over management of smaller hospitals in Thessalon and Richards Landing once run by a larger health service based in Sault Ste. Marie, preserving 24-hour emergency care at all three locations.

This spring, Sarnia-based Bluewater Health announced a capital grant of \$7.5 million from the province for redevelopment of its hospital in nearby Petrolia. The joint project with the town of Petrolia will include affordable housing and seniors’ services.

The announcement followed a provincial government budget that included a 3 per cent, \$11.5 billion boost for health care over three years. Budget statements referred specifically to more than a dozen hospital expansion and construction projects in places such as Niagara Falls,





# ALL SEASON STRONG

**MORE OPTIONS** PER HYBRID WITH THE DEKALB® BRAND

**Get more seed treatment options on more corn hybrids.**

DEKALB offers almost every corn hybrid with three Acceleron® Seed Applied Solutions treatment options:

- fungicide and insecticide\*,
- fungicide plus Dupont™ Lumivia® insecticide,
- and fungicide only.

**Having more seed treatment options on more hybrids means you can focus on choosing the right hybrid for your farm.**

To learn more about the best corn products for your fields, contact your local DEKALB® dealer or representative. For a complete list of corn hybrids and available seed treatments, **go to [DEKALB.ca](http://DEKALB.ca).**

**#AllSeasonStrong • 1-84-GO-DEKALB • DEKALB.ca**

ALWAYS FOLLOW GRAIN MARKETING AND ALL OTHER STEWARDSHIP PRACTICES AND PESTICIDE LABEL DIRECTIONS. Details of these requirements can be found in the Trait Stewardship Responsibilities Notice to Farmers printed in this publication. ©2017 Monsanto Canada Inc.







**“If you have a rural hospital or a hospital that is not growing – so a small town in rural Ontario for the most part – the funding formula is not a friend,” Lance Thurston says.**

Windsor, Vaughan, St. Thomas, Brockville, Atikokan and Fergus.

The investments are not all about new facilities. Under the current government, a small hospital in Shelburne closed in 2010, shifting services to a redeveloped hospital in nearby Orangeville. And the new Niagara Falls hospital project has raised local objections over closings and reduced services in smaller hospitals nearby, including those in Welland, Fort Erie and Port Colborne.

The Ontario Health Coalition, a Toronto-based group including health care workers’ unions, has challenged government assertions about the adequacy of the budget for new health care spending.



**Lance Thurston**

A possible sign that the province is listening to rural criticism of the funding formula is that this year’s provincial budget did include money for Grey Bruce Health Services. Thurston said ministry officials have led him to anticipate more. Health Minister Hoskins also announced final approval late last year for a new \$63-million hospital to replace GBHS’s aging

facilities in Markdale.

The establishment of GBHS during health care system reforms under former Premier Mike Harris responded specifically to pressure for new, regional efficiencies and seemed, until recently, to meet provincial expectations. However, funding formula changes introduced in 2012 dislodged financial expectations for GBHS and other multi-site rural hospitals, Thurston said.

“It’s really more of an urban-centred funding model that is very good to hospitals that are in fast-growing, urban centres,” he said of the 2012 funding policy. “If you have a rural hospital or a hospital that is not growing – so a small town in rural Ontario for the most part – the funding formula is not a friend.”

The \$2.5 million in new money for GBHS in this year’s budget has eliminated Thurston’s expectations of a multi-million-dollar deficit in 2017. He hopes for further adjustments in provincial policy to allow the hospital to plan for future balanced budgets and to seek strong community support for provincial recognition of unique rural needs and further stability.

“The financial crunch is enabling a whole lot of local creativity,” Thurston said. “Nobody wants to give up their hospital. Everybody is working really hard to find solutions.” **BF**

## Locate AgroLiquid Near You

AgroSpray  
85 Spruce St.  
Tillsonburg, Ontario  
519-842-8408

Forest Agri, RO  
615 Bond Street  
Watford, ON N0M 2S0  
519-786-8114

Dietz Agri Centre Inc.  
42713 Mill Road  
Seaforth, ON N0K 1W0  
519-522-0608

The Feed Store  
2564 Cty Rd. 20 E.  
Harrow, ON N0R 1G0  
519-796-3369

Jeff Drudge, AM  
43269 Amberley Rd.  
Wroxeter, ON N0G 2X0  
519-291-7777

Clare Horst  
4000 Lawson Line  
Wallenstein ON N0B 2S0  
519-580-6988

County Ag Services Inc.  
1377 Hwy #5 West  
Dundas, ON L9H 5E2  
905-577-2767

Huron Perth Ag Services  
41538 Thames Rd.  
Woodham, ON N0K 2A0  
519-235-3805

Lauren Mac Namara, AM  
11050 Bailey Rd  
Winchester ON K0C 2K0  
613-402-2470

John Gal, AM  
815519 County Road 22  
Innerkip, ON N0J 1M0  
519-533-2405

John McRoberts, AM  
695895 17th Line  
Innerkip, ON N0J 1M0  
519-535-0874



Starting Lineup

## Pro-Germinator

P balanced with N, K and Micros  
Protected from Tie-Up  
2 – 4 Times More Available  
than Competition

[agroliquid.com](http://agroliquid.com)



Starting Lineup

## High NRG-N

Season-Long Availability  
No stabilizer needed  
Enhances Soil Biology  
40% less actual  
pounds of N needed

[agroliquid.com](http://agroliquid.com)



Pro-Germinator® is used primarily for the application of phosphorus, but is partnered with nitrogen, potassium, and micronutrients for maximum performance. Pro-Germinator® contains both ortho-phosphate and carbon-protected polymer phosphate to provide readily available and controlled-release phosphorus with minimal danger of tie-up in the soil. High NRG-N™ is used in all crops that require applied nitrogen to achieve top yields. High NRG-N™ is an advanced formulation of 27% nitrogen, and 1% sulfur. High NRG-N™ is stabilized through proprietary manufacturing technology to protect the nitrogen and reduce losses from leaching and volatility.



## ENSURING RURAL ACCESS TO DOCTORS



**Dr. Ruth Wilson**

Ontario’s physician shortage may have eased in recent years, but a distribution problem remains between urban and rural areas.

Specifically, there is an over-concentration of family doctors in the densely populated Greater Toronto Area which is part of the “uneven distribution” of doctors across the province,

said a July report of the provincially funded Institute for Clinical Evaluative Sciences (ICES).

Researchers mapped the distribution of the province’s 9,000 primary care doctors in six regions against a total area resident population of about 13 million.

“Geographic access to primary care is an important factor affecting overall population health,” said Dr. Rick Glazier, ICES senior scientist, in a statement.

That challenge remains despite a series of changes since 2002 to reverse the shortage of primary care physicians. Increased intake of medical students, new methods of payment and the introduction of new multi-disciplinary models for primary care clinics all sought to ease the doctor shortage.

“We still seem to be under-doctored,” said Dr. Ruth Wilson in a recent interview from Queen’s University in

Kingston. A specialist in rural and remote practice, Wilson co-chaired a recent joint task force of the College of Family Physicians of Canada and the Society of Rural Physicians of Canada about rural inequities.

Canada’s physician-to-population ratio in 2013 was 2.48 per 1,000, said a July report of the Commonwealth Fund, a New York-based private foundation for health care system research. This ratio was ahead of the United States at 2.46, but far below the ratios of Norway, Germany and Australia with 4.23, 3.96 and 3.31, respectively.

“I don’t want at all to discount what has been done (in terms of addressing doctor shortages in Canada) because a tremendous amount has been done,” Wilson said. New payment techniques essentially eliminate former financial considerations for rural physicians, and Ontario medical schools have made a concerted effort to introduce a system of “distributed education” that seeks rural-oriented candidates and places them in rural settings for part of their training.

But four years of rocky politics between doctors and the province over a new contract may have convinced some recent graduates to look elsewhere, Wilson said. She figures more can be done to support rural doctors with complex cases by strengthening their links to secondary and specialized services in Ontario. A system of national medical certification for doctors to simplify part-time service by early-career and post-retirement practitioners also could help cover rural gaps.

Ontario Health Ministry data touts a 160 per cent increase in post-graduate residency positions in family medicine between 2004-05 and 2013-14. The ministry also highlights the doubling of the number of positions for international medical graduates over the same period. Medical schools have added 260 first year undergraduate spaces between 2004-05 and 2011-12.

Dr. Elizabeth Wenghofer heads Laurentian University’s School of Rural and Northern Health and figures the problem is less about supply than distribution.

“It’s not about the head count; it’s about where (doctors) are and how accessible they are,” she said. Wenghofer also figures the challenge is less about attracting doctors than keeping them.

“Most of (the challenge) doesn’t have anything to do with being a physician,” she said.

“It’s, you know, does this community have the sports team that my kid wants to play on? Is this my community from an ethnic perspective or from a religious perspective? ... Is there a job here for my spouse?”

Ontario’s newest medical faculty, the Northern



**Dr. Elizabeth Wenghofer**

# NOT LIKE OTHER FERTILIZERS

AgroLiquid isn’t like other fertilizers. Their nutrient-balanced products stay in the soil in the right formulations, in just the right amounts.

And because of AgroLiquid’s unique chelation technology, you use less – and see more in your yields.

Make a smart start with AgroLiquid. Learn more at [agroliquid.com](http://agroliquid.com).



**See ad & dealer list  
on Pages 18 & 19**



# PROTECT YOUR SUCCESS WITH THE NEW STANDARD IN SEED TREATMENT



## NEW DUPONT™ LUMIVIA® INSECTICIDE SEED TREATMENT.

DuPont™ Lumivia® is the new standard in corn seed treatment that:

- Protects against key early season insect pests, such as wireworm, white grub, cutworm and seedcorn maggot\*
- Provides seedling protection to develop uniform and healthy stands that maximize yield potential
- Simplifies your seed treatment decisions
- Offers a favourable environmental profile

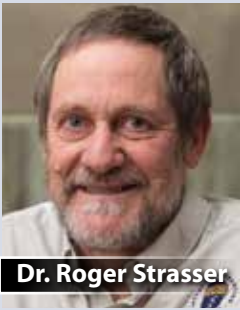
**Lumivia®: *Make every seed count.***

*Questions? Ask your seed provider, call 1-800-667-3925 or visit [lumivia.dupont.ca](http://lumivia.dupont.ca)*

**DuPont™  
Lumivia®**  
insecticide seed treatment

DuPont™ Lumivia® is a DuPont™ Lumigen® seed sense product.

\*Suppression  
As with all crop protection products, read and follow label instructions carefully.  
Member of CropLife Canada.  
Unless indicated, trademarks with ®, ™ or SM are trademarks of DuPont or affiliates. © 2017 DuPont.



**Dr. Roger Strasser**

Ontario School of Medicine (NOSM), has graduated 526 new doctors since it began in 2005. These graduates have chosen rural family medicine at almost double the national average, Dean Roger Strasser said. These figures reflect admission policies favouring residents of remote and rural areas as well as those from francophone and indigenous communities for six years of medical education.

With campuses in Sudbury and Thunder Bay, NOSM was created to answer community concerns about health care gaps in northern and rural areas. The university recruited Strasser from rural health studies at Monash University in Melbourne, as Australian issues and challenges are comparable to Ontario's.

Doctors in rural practice everywhere "provide a wider range of services and carry a higher level of clinical responsibility in relative, professional isolation" than their urban counterparts, Strasser said.

"We're not just producing more physicians in northern Ontario, hoping that they would stay ... but (we're) actually looking to graduate physicians who are generalists (and) who have the skills, knowledge and commitment to provide care where it's needed in the

under-served rural and remote communities in northern Ontario."

The school accomplishes these aims through a curriculum and structure that places students with patients as early as the third year of undergraduate training for long periods in community clinics supervised by local physicians.

"The model we have really is making a difference," Strasser said. "If you look at those who did their MD and residency in northern Ontario, 94 per cent of those doctors are practising in northern Ontario, including 33 per cent in smaller, remote rural communities." **BF**



**Visit [BetterFarming.com](http://BetterFarming.com) FOR AN ADDITIONAL STORY ON RURAL HEALTH CARE.**



**MEMBERS**

Look for your new



**Pay As You Go Account Card** in this issue.

Need more than 4 cards? Call OFA Member Relations at 1-800-668-3276 to receive the required number of cards.



*Keeping your workers safe with the right workwear.*

Show your



Pay As You Go Account Card at any Mark's store to receive

**10% Savings Everyday**

on regular priced items listed on the card. Card expires November 1, 2018





Kubota

# WE'VE GOT BIG BALES.

**3 YEAR**  
OR  
**12,000 BALES\***

**0% 60**  
SUR  
MOIS FINANCEMENT SAC\*

Kubota's 5'x 6' Round Baler produces the most dense bales in its field thanks to BV4580's PowerFeed rotor intake for ultimate capacity and using its 3D Density system. You get direct feed transfer into the bale chamber, while the wide opening allows almost unrestricted intake capacity for fast and efficient baling process. Whether you're working with silage, hay or straw, you can count on great quality binding and the biggest Kubota sized bale.





# LESS WASTE, MORE RESOURCES

Diverting waste to agricultural land is a key to building a circular economy.





David Buurma, a Lambton County farmer, bases his business on organic waste.

His company, LaSalle Agri Fertilizer, sells pelleted biosolids to farmers who use them as fertilizer on their fields.

Waste treatment plants make the pellets by treating sewage “sludge.” They heat the sewage to roughly 100 C (212 F) to produce pellets that are approximately 6 per cent moisture and 94 per cent dry matter, Buurma explained.

Some processing plants remove the liquids to bring the sewage to a moisture level of 30 per cent and then add lime, he said. Adding lime kills the pathogens in the sludge.

“Once you kill the pathogens, any concern to human health is dramatically reduced,” he said.

The company regularly monitors the levels of heavy metals and toxins in the biosolids to make sure that its product falls within the guidelines set by the Canadian Food Inspection Agency (CFIA).

Originally, Buurma had applied liquid biosolids, which are regulated as a Category 3 Non-Agricultural Source Material (NASM) and have to be applied on farms according to minimum separation distances from sensitive features, such as wells and waterways.

Buurma’s company distributes pellets which follow the same regulations as fertilizer. “The product does not have (to adhere to) the same regulations as liquid biosolids,” he explained.

And at LaSalle Agri, demand for the pelleted biosolids continues to grow.

“Every year, (the level of demand) for the product almost doubles,” Buurma said, noting that the raw product he purchases in Toronto sells out a year in advance.

The business has the potential to grow under the Waste-Free Ontario Act, which was enacted in June 2016 and contains two acts within it: the Resource Recovery and Circular Economy Act, 2016 and the Waste Diversion Transition Act, 2016.

*continued on page 27*

**Lise LeBlanc shows some of the bedding, which diverts wood and wallboard from landfills, in use in a dairy barn.**

**by KAITLYNN ANDERSON**



## SUCCESSFUL EXAMPLES FARTHER AFIELD

Lise LeBlanc photo



**This animal bedding is produced from organic waste.**

As Ontario implements new regulations for managing organic waste, the province can look to other places, such as Nova Scotia, which already has such waste diversion measures.

One of these initiatives includes the production of a large-animal bedding material from pre- and post-commercial wallboard and wood fibre that otherwise would be sent to a landfill.

After noticing that producers were having difficulty accessing bedding, Lise LeBlanc, president of LP Consulting, worked with Divert NS, a not-for-profit corporation that operates recycling programs in Nova Scotia, and Halifax C&D Recycling, to create this product.

In addition to providing bedding for animals, the product also serves another important purpose.

“Since the wallboard is made with gypsum, (the bedding) has lots of calcium and sulphur,” said LeBlanc. “So, when the bedding mixes in with manure and is then spread onto land, it provides additional nutrients to the soil.”

Nova Scotia banned organic materials from landfills, so the innovation didn’t end with livestock bedding.

Farmers are also using wood ash, which is created by biomass plants that burn wood to generate power, on their fields as a fertilizer and a source of lime that is more economical than fossil-based products, said LeBlanc.

“We are diverting this renewable resource from landfills,” she said. “Farmers can put the wood ash on their land and (use fewer) inorganic fertilizers.”

LeBlanc, like Geoff Boyd of Walker Environmental, believes that the government needs to be involved in the use of these waste-to-resource products.

“The government doesn’t do enough to support the initiatives that encourage the reuse of all of these different materials,” she said. “That’s the missing link. They put the regulation in, but they may not encourage and support the use of the recycled product.” **BF**



continued from page 25

However, Buurma said that restrictions on the times when the recycled sewage products can be applied to fields could present challenges.

“Some of these products don’t have a very good storage life,” he explained. “They will heat up if not stored well. So not being able to apply (the product) in the winter is really going to hurt this industry.” (In Ontario, manure and other agricultural source materials cannot be applied between Dec. 1 and March 31 under the Nutrient Management Act, 2002.)

While other products, such as commercial fertilizers and regular manures, could wash out over the winter, the pelleted biosolids would not, Buurma said.

“The product doesn’t break down until we have warm weather and microbacteria to break it down.”

The aims of the Waste-Free Ontario Act – namely, keeping organics out of the landfill – “might fight against” the province’s regulation of the timing of fertilizer applications, Buurma explained.

### Possibilities beyond sewage sludge

Selling pelleted biosolids is just one example of a business that could flourish under the Waste-Free Ontario Act.



David Barr photo

**LaSalle Agri Fertilizer sells pelleted biosolids to farmers who use them as fertilizer on their fields.**

Walker Environmental, a division of Walker Industries Inc., is another company diverting waste from landfills and making money while doing so.

“We have two large compost facilities here in Ontario, along with a national grease trap and a used cooking oil collection business (which sends the waste to anaerobic digesters to be converted into renewable energy). There is also a mulch production business (which creates a variety of mulches for consumers),” said Geoff Boyd, general manager of organics at Walker Environmental.

“Basically, almost anything that has value and can be kept out of a landfill is worked into (our) business to create (new) products.”

Walker Environmental also has seven biosolids management facilities across Canada which use the patented N-Viro Process. The process uses advanced alkaline stabilization to create fertilizer.

“We mix de-watered biosolids from the municipality, where our plant is located, with lime and create a pasteurized fertilizer product that is then typically sold (for agricultural use),” explained Boyd.

“Some of it is used for land reclamation as well, but probably 90 per cent of (the fertilizer) is used for cash crop production and pasture land.”

Because the full implementation of the Waste-Free Ontario Act is looming, Boyd believes there will be

**Growing with You.**

“We grow MaizeX as the service and product support is outstanding and the yield is as good as we have ever grown on our farm.”

Peter Littlejohn, Elgin County

MZ 3964DBR, MZ 4280DBR, MZ 4525SMX

**maizex.com** | Follow us: [@Maizex](#) **It's the Yield.** MAIZEX® and Design are registered trademarks of MAIZEX SEEDS INC.

**maizex**  
Progressively Forward

David Barr photo



**Selling pelleted biosolids is just one example of a business that could flourish under the Waste-Free Ontario Act.**

lots of opportunity for the industry to expand, particularly into organic waste.

“The provincial government is looking to implement some sort of organics ban in the short term (and that) would make an incredible amount of waste that is now going to landfills available to be processed,” he said.

“That (reduction) will require a lot more facilities that can process waste, (such as) compost facilities or anaerobic digesters. It will just be a matter of permitting and locating these facilities and then having a market for all of the product at the end of the day.”

**Strict regulations ensure safety**

The increased use of organic materials seems possible, so farmers, waste-to-resource businesses and the government must reassure the public that these products are safe and highlight the importance of these resources.

“Most people don’t know a lot – or anything – about what happens to waste when they put it out in the green bin or at the end of the curb or even when they flush the toilet,” Boyd said.

Public education will become particularly important because elements of commercial fertilizers, including phosphorus and potassium,

need to be mined and are only available in a finite supply. So, farmers are seeking alternative products that carry additional benefits.

“People are starting to realize that (maintaining healthy soil and crops) is not just all about fertilizer,” said Boyd. “You’ve got to keep your soil healthy, you need to add organic matter, and you need to have a strong biological community in your soil.”

For NASM that isn’t processed to be a fertilizer regulated by the CFIA, the provincial government has strict regulations in place.

NASM includes leaf and yard waste, fruit and vegetable peels or culls, food-processing waste, pulp and paper biosolids, and sewage biosolids, said Dale McComb, environmental management specialist with the Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA).

“The safe application of NASM to farmland has been practised for more than 30 years,” said McComb. “Regulation ensures that NASM meets strict criteria before it is applied to land to minimize the risks to the environment, human health, crops and Ontario’s water supply.”

To be legally applied under current government regulations, the material must provide one of four benefits, said McComb.

“The material must: (1) supply a minimum amount of nitrogen,

**HUSKY** 50 Years  
**Husky Farm Equipment Ltd**  
 Committed To Quality You Can Depend On!

Also Available  
 Lagoon Pumps  
 10-12" Pipe Carts  
 Truck Mounted Tanks  
 Wireless Remote Controls

8-10" Pipe Carts

A Complete Line Of Liquid Manure Handling Equipment

husky@huskyfarm.ca 519-846-5329 www.huskyfarm.ca



phosphorus and/or potassium; (2) have the ability to raise the pH of the soil; (3) supply a minimum amount of organic matter; or (4) supply irrigation water for dry times of the year,” he said.

The regulation also “sets out how much material may be applied, how and when the material may be applied and establishes setback areas where the material may not be applied to manage the potential environmental impact on sensitive features like wells, streams and neighbours.”

While NASMs are more heavily regulated than CFIA-approved fertilizers, they will still play an important role under the Waste-Free Ontario Act.

The Food and Organic Waste Framework, part of the act, is scheduled to be released this fall. The framework will include an action plan and a policy statement.

“The Food and Organic Waste Framework will include actions to increase the diversion and processing of food and organic waste into beneficial end-products, many of which may be suitable for land-application as non-agricultural source materials,” a statement from the Ministry of the Environment and Climate Change (MOECC) said.

“This (framework) will serve as a critical part of building a circular economy for food and organic wastes

in Ontario, as well as promoting the innovative environment required to support Ontario’s Agricultural Soil Health and Conservation Strategy.”

The diversion of “food and organic wastes for beneficial uses is a key component of building a circular economy in Ontario,” the MOECC said.

The government plans to implement the framework in the spring.

### Reuse of organic materials benefits everyone

The benefits of using products such as organic fertilizers and NASM are widespread, said McComb.

“Many industries, such as food processors, benefit because they have access to another option for managing unsaleable material.”

The public also benefits because these materials are diverted away from the landfill.

“And farmers benefit because they have access to an additional source of nutrients and organic matter to supply to their fields,” said McComb.

Organic materials, such as those regulated as a NASM, provide a fertility boost for soil, said Bryan Cook, agronomist and owner of Cropland Consulting Inc. in Prescott.

“There’s a nitrogen credit there for the following year,” said Cook.

“There’s a relatively large amount of phosphorus credited from the



Lisa LeBlanc photo

Walker Environmental displays some corn grown with its N-Rich product.

material. It’s not always plant-available in the year after application, but it’s there and it will become available at some point.”

Before spreading a NASM on land, farmers need to take a few things into consideration, said Cook.

Firstly, nutrient management regulations require the soil to have a pH level of six or higher, he said.

Secondly, producers need to think about their crop rotation.

Farms.com™

PRECISION  
AGRICULTURE

CONFERENCE

& AG TECH SHOWCASE

SPONSORED BY



[farms.com/precisionagriculture](http://farms.com/precisionagriculture)

Canada’s leading **Precision Ag Conference** is back for its 5<sup>th</sup> year in London, Ontario!

Learn from senior, forward-thinking, precision agriculture experts, and attend hands-on workshops. The conference workshops are designed for those who are just beginning with precision agriculture, as well as for those who have a solid understanding of the basics of precision agriculture, but want to take it to the next level.

The popular **Farmer Panel** will return again for the 5<sup>th</sup> year.

JAN 30-31 | 2018

BEST WESTERN  
LAMPLIGHTER INN

LONDON  
ONTARIO



“For producers growing small grains or winter wheat, there is a wider window of opportunity to apply the material,” said Cook.

“You can only apply NASM (before) Dec. 1.”

Farmers growing small grains, such as spring or winter wheat, have a much wider opportunity to receive material, he said.

Lastly, producers should consider the field location before they apply

materials.

Areas that are low profile and sparsely populated are favourable because of the large number of trucks that move the material through, said Cook.

However, having a NASM plan approved does not guarantee the farmer will receive the product.

“There’s only so much of this material,” said Cook. “We get requests for material all the time, but it’s a

limited resource. There is not enough product available to supply to everyone who wants it.”

**Perspectives have changed**

While this NASM shortage is a challenge for some producers, there is a silver lining.

The shortage demonstrates that the use of organic materials on agricultural land is becoming more widely accepted.

“I think that the perception is shifting away from getting rid of a waste and moving towards utilizing a resource,” said McComb.

The next challenge in waste diversion will be fostering more communication between agriculture and other industries, said Lise LeBlanc, president of Nova Scotia-based LP Consulting, a company of three agrologists working to improve agricultural production.

“If the industry that is producing a waste that could be a potential resource doesn’t understand agriculture – and vice versa – it makes it really hard to develop a successful program,” said LeBlanc.

“So any of these types of programs will generate more co-operation between industries. We still have some barriers that we need to overcome.” They are grounded in needing to understand each other.

However, waste diversion and resource reuse will be necessary to sustain our society, Boyd believes.

“I think it’s really important that we recycle the nutrients instead of putting them into the landfill,” he said. “We’re going to have to recycle everything we can, as much as we can. The sooner, the better.”

Technology is improving, so processors can overcome challenges associated with these products, and farmers can use materials more efficiently.

For example, some applicators can inject organic materials below ground to minimize surface disturbance, Cook noted.

“Just because we don’t have the idea now doesn’t mean we are not going to come up with sustainable solutions,” said LeBlanc. **BF**

**Deutz-Fahr dealers**

Newfoundland		
Mount Pearl	Atlantic Trailer Equipment	709 745-3260
New Brunswick		
St-Isidore	G.G. Haché & Frères Ltée	506 358-2203
Memramcook	VIP Mechanical Sales & Service inc	506 334-0391
Québec		
Ferme Neuve	Agricole Ferme Neuve	819 587-4393
Lingwick	Centre Agricole Expert	819 877-2400
Chicoutimi	Distribution JPB	418 437-8662
Desbiens	Distribution JPB	418 346-1010
Ste-Marguerite	Dorchester Équiment inc	418 935-3336
La Sarre	Équipements Gélinas inc	866 521-2481
Ormistown	G. P. Ag Distribution	450 829-4344
St-Eustache	Garage Bigras Tracteurs	450 473-1470
Ste-Eulalie	Garage Wendel Mathis	819 225-4444
Sherbrooke	L'Excellence Agricole de Coaticook	819 849-0739
L'Épiphanie	Machinerie Forest inc	450 588-5553
St-Raymond de Portneuf	Mach. Lourde St-Raymond	418 337-4001
St-Omer	Service Réparation Joël	418 364-3212
Ontario		
Douglas	Bromley Farm Supply	613 649-2457
Delhi	Farm Power Equipment	519 582-3800
Almonte	M&P Farm Equipment	613 253-4957
Millbank	Milestone Equipment Ltd	519 595-3157
Harriston	Minto Ag Ltd	519 338-5751
Manitoba		
Clenboro	H&L Motors	204 827-2112
Blumenort	H&L Motors	204 355-9913
Pierson	Lee's Service Centre	204 634-2293
Alberta		
Nobleford	Noble Equipment Ltd	403 824-3020
Olds	Noble Equipment Ltd	587 796-3020
Ponoka	Noble Equipment Ltd	403 785-9533
Lloydminster	Young's Agri-Service	780 877-5800

**Productivity is in your hands.**  
Territories available for dealership, contact Yves Daoust at 450 377-0956

DEUTZ-FAHR is a brand of



# Enthusiasm for local food crashes website: selling “local food love” on social media



Big success is being achieved through social media to promote local food.

The Ontario agri-food sector is always seeking new, innovative ways to promote local foods to consumers. Recently, two grower organizations - Ontario Pork and the Ontario Apple Growers - have seen great success engaging with consumers through social media and other avenues, thanks to financial support from the Government of Ontario in partnership with the Greenbelt Fund.

Ontario Pork's goal was to highlight and promote delicious, yet underutilized, cuts of pork. The group partnered with Osteoporosis Canada and Heart and Stroke to create a factsheet on pork's important health benefits as well as multiple heart-healthy recipes. It then promoted these resources through social media and product demonstrations, using a \$41,500 grant from the Greenbelt Fund.

## Engaging bloggers

"We had a large involvement with Facebook," explains Susan Fitzgerald of Ontario Pork. "Food bloggers picked up on our objective and promoted a huge variety of pork recipes, from simple to complex. We also explored some sponsored events, with demonstrations in "early years" centres and high schools, and in-store samplings in Loblaws stores." The organization also held webinars for dietitians and other health care professionals.

Ontario Pork reports that the campaign exceeded all of its objectives, with "views" of its six videos topping 443,000 – almost double the target. In addition, the original six recipes ballooned into an entire healthy recipe booklet, which hit 225,000 "reaches" through

bloggers – triple the goal.

Similar success was had by the Ontario Apple Growers. It used \$49,000 from the Greenbelt Fund to increase consumer awareness of the versatile nature of Ontario apples and the Foodland Ontario brand.

## Personal touch

First, ten bloggers were selected and introduced to Ontario apple production. "We took them on a farm tour last fall, where they could learn directly from an experienced apple grower," explains Kelly Ciceran of Ontario Apple Growers. "We encouraged them to ask questions about all stages of apple production." The bloggers were later taken on another tour of storage and packing facilities, allowing them to understand how Ontario apples are made available to consumers year round, how apples are graded and many apple products.

Blogger Charmian Christie, a culinary instructor and author of the blog "The Messy Baker" says that "as a culinary professional, farm tours are invaluable. When I say "I've been to the orchard" or "I've see the apples being washed and packed," I have a level of authority no amount of Googling can recreate. As a result, my students and readers are more engaged, ask more questions and are more eager to shop Ontario."

Each of the bloggers then created three recipes that they posted to their blogs and shared through a variety of social media. "We also compiled these 30+ recipes into an e-Cookbook that was available for download from our website in nutrition month, March of 2017," Ciceran explains. "The e-Cookbook was



so popular upon its release that the website crashed."

Navigating the blogosphere and social media can be daunting, particularly for individual farmers whose busy days don't leave much time for online marketing. As Ontario Pork and Ontario Apple Growers demonstrated, grower organizations can benefit their members by taking on this opportunity and reaching consumers in new ways.

"We believe the Fund is making a big difference in spreading the "Local Food Love" throughout Ontario," observes Ciceran, "helping consumers realize how delicious and easy local food is to access."

The Greenbelt Fund changes the way we eat by investing in projects that bring more Ontario food to Ontarians' plates, with financial support from the Government of Ontario.



Possibility grows here.





# DEVELOPING EASY ON-FARM OPPORTUNITIES

The expansion of on-farm cheese production enabled the Scheps of the Thunder Bay area to build on tradition.



Employee Irene Muller cuts gouda to be sold in the Thunder Oak Cheese Farm retail outlet.

by JOE CALLAHAN

Nestled in the Slate River Valley in the shadow of the Nor'Wester Mountain range, roughly 12 miles (20 km) south of Thunder Bay, brothers Walter and Martin Schep continue a tradition of farming and cheese-making that originated with their maternal grandmother in Holland.

Walter and Martin's grandmother made gouda cheese. Now, the brothers carry on that tradition through Thunder Oak Cheese and Thunder Oak Farm, with regular help from their parents Jacob and Margaret.

"We still use my grandmother's recipe," says Walter. "With a few tweaks along the way."

In 1995, Jacob had the idea of making gouda cheese right on the family farm. At the time, the family was limited in the amount of milk they could ship in the quota system and any over-production went to waste.

Eventually, with the approval of the Dairy Farmers of Ontario and the Ontario Ministry of Agriculture, Food and Rural Affairs, Jacob started to produce gouda cheese and Margaret sold it directly from the family farm.

"In Holland, everyone made cheese in the summer," says Jacob.

The cheese production eventually became part of succession planning for the Scheps. When Walter and Martin were planning their careers, they had a choice between adding quota or expanding the cheese production. The brothers opted for the cheese production.

In 2007, Walter and Martin took over the operation from their parents and split it into two: Martin produces the milk through Thunder Oak Farm and Walter manages the cheese production through Thunder Oak Cheese. The retail facility operates under the name Thunder Oak Cheese Farm.

In 2013, Walter built a new 6,500-square-foot (604-square-metre) building where the family makes gouda. The new building is about a mile (1.5 km) from the Schep farm.

Half of what the family produces is sold directly from their own retail outlet. Thunder Oak also sells its



## FIELDTRIP

products to 25 retailers and 20 restaurants, mainly in the Thunder Bay region. The family produces over a dozen varieties of gouda, including garlic and black pepper with “truffle” gouda as the most recent experiment.

In April 2015, Martin installed a two-robot milking operation where he milks 80 cows, most of which are Holsteins. He ships all but one day’s milk per week directly to the Thunder Oak cheese house just down the road.

The decision to expand the operation the way the family did was a “win-win” for everyone and the robot operation gives him flexibility, Martin says.

“The same chores need to be done, but you’re not stuck at the barn at 5 in the morning and 5 in the afternoon,” says Martin. “If I want to take my kids to hockey at 5 in the morning, I can. I still have to do my chores but I just do them later.”

Both Walter and Martin feel that the decision to expand the cheese production in the farm operation worked well for the family as a whole and for their parents in their retirement.

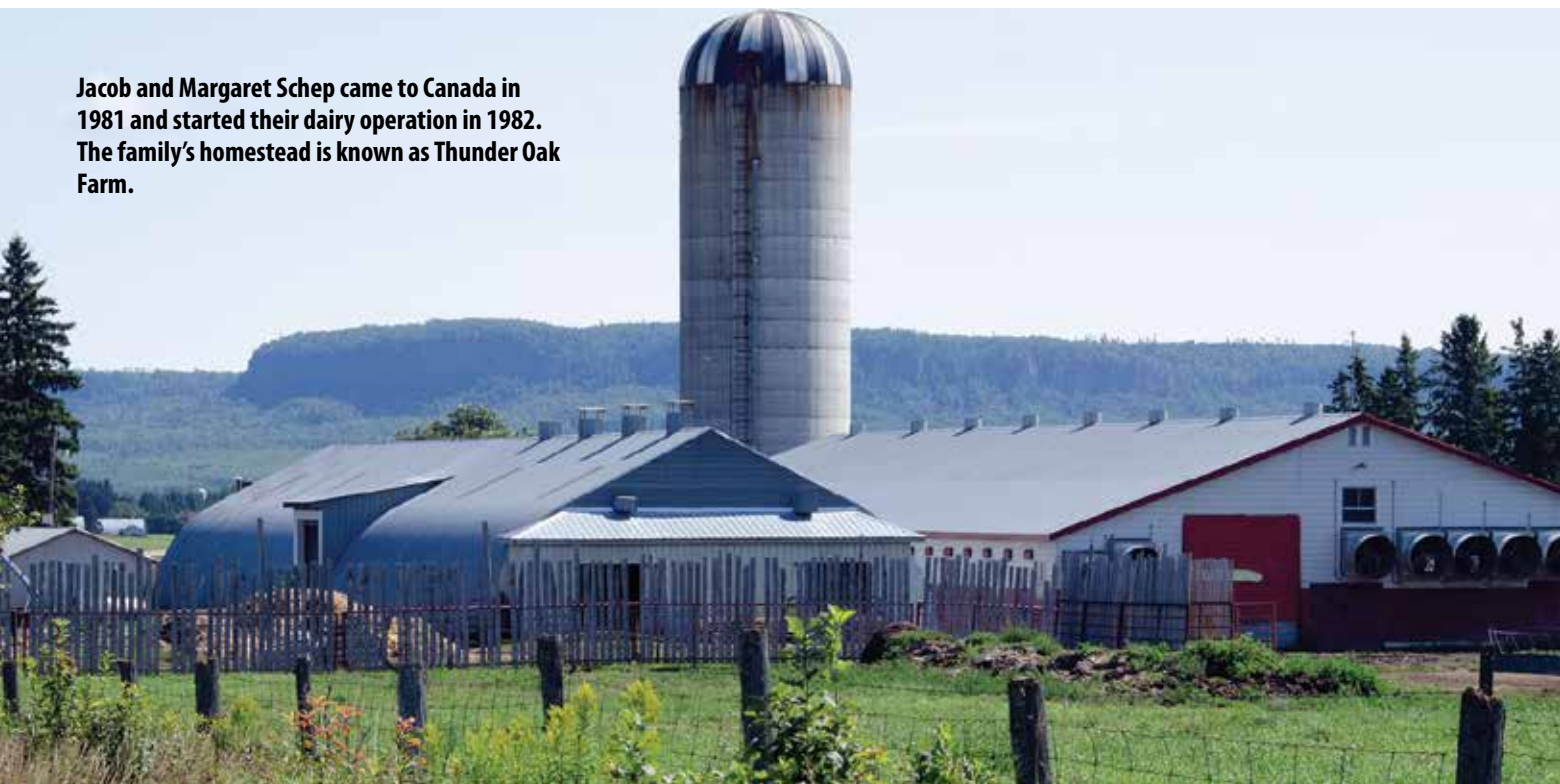
“In the end it worked out nice,” says Walter. “My dad ended up working for my brother and my mom ended up working for me.” **BF**

**The Thunder Oak Cheese production facility and retail outlet is located about a mile (1.5 km) from the Schep homestead.**



**Walter Schep, who manages Thunder Oak Cheese, poses at the new 6,500-square-foot (604-square-metre) facility which includes cheese production and retail space.**

**Jacob and Margaret Schep came to Canada in 1981 and started their dairy operation in 1982. The family’s homestead is known as Thunder Oak Farm.**







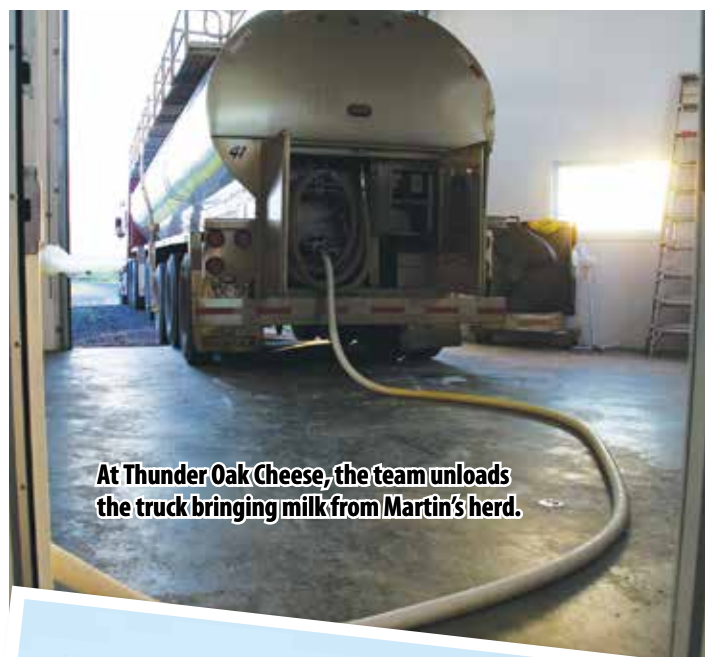
Brothers Martin and Walter gather with Martin's son Jaxson in the barn, which supplies the milk for the family's cheese facility.



Walter prepares the pasteurizing equipment.



Martin Schep feeds the young cattle in the barn. His herd is 85 per cent Holstein and the others are Jersey.



At Thunder Oak Cheese, the team unloads the truck bringing milk from Martin's herd.



Martin cuts his second-cut hay. The Nor'Wester Mountains are visible in the background.





Walter Schep and Laurie Lavallee, a driver for Thunder Bay Milk Transport Inc., unload the truck. Milk is delivered directly from Martin's farm.



Employee Darian Almgren prepares the cheese moulds for the day's production. Thunder Oak Cheese produces about 882 lbs (400 kg) of cheese three times per week.



Employee Florence Bakker works in the retail outlet. The black pepper variety of gouda is one of her favourites, she says.



Walter connects stainless steel pipes in the pasteurizing room, getting ready to begin the cheese production process.



Martin hitches the hay mower before heading into the field.








# TOUGH WINTER AHEAD? WE WOULDN'T HAVE IT ANY OTHER WAY.



Exceptional comfort and an easy to maintain Kubota Tier IV Diesel engine combine for an impressive piece of equipment in Kubota's SSV Series. New side lights expand the operator's visibility on the job site, and the roll up door and wide operator area make for a more alert and productive work environment during those long cold jobs. All of a sudden, winter doesn't seem so bad.

kubota.ca |   

**Anderson Equipment Sales**  
Belleville, 613-969-6246  
Picton, 613-476-6597

**Ben Berg Farm & Industrial Equipment**  
Wainfleet, 905-899-3405

**Brant Tractor**  
Brantford, 519-449-2500

**Callaghan Farm Supply**  
Lindsay, 705-324-8686

**DeBoer's Equipment**  
Elora, 519-846-5388

**Durham Kubota**  
Oshawa, 905-655-3291

**Earth Power Tractor & Equipment**  
Meaford, 519-538-1660  
Owen Sound, 519-376-5880  
Stayner, 705-428-3132

**Hartington Equipment**  
Hartington, 613-372-2744  
Perth, 613-264-0485

**Hyde Brothers Farm  
Equipment**  
Hensall, 519-263-2605

**Hyde Park Equipment Ltd.**  
London, 519-471-1400

**Norfolk Tractor Co. Ltd.**  
Simcoe, 519-426-1090

**Roberts Farm & Recreation**  
Chesley, 519-363-3192  
Lucknow, 519-529-7995  
Mount Forest, 519-323-2755

**Ross Doble Inc.**  
Sunderland, 705-357-3123

**Stewart's Farm Equipment**  
Erin, 519-833-9616

**Topline Trailers & Equipment**  
Winchester, 613-774-0994

**Tracks & Wheels**  
North Bay, 705-840-5438  
Sudbury, 705-566-5438  
Timmins, 705-268-5438





# TRUCKS

Farmers are more reliant than ever on their pickup trucks. They are the standard vehicle of choice for the Ontario farm community, serving more than just a utilitarian purpose. Pickup trucks are a source of pride and enjoyment to farmers.



*A Great Lineup of*  
**CHEVY PICKUPS**  
*Plus* **HUGE DISCOUNTS**  
*for OFA Farmers*



*It's time* to call the **SILVERADO SHERIFF**

**519-824-0210**

**Guelph, Ontario**

[www.barrycullen.com](http://www.barrycullen.com) | [info@barrycullen.com](mailto:info@barrycullen.com)

**BARRY CULLEN**



THE  
**REGIONAL  
DEALER®**  
AND THE  
**SILVERADO  
SHERIFF®**



## Outwork the competition

Whatever the job, the 2017 Super Duty just keeps going

With today's tasks, getting every job done right means having the best tools. At the top of the list? Having the right heavyweight truck. Cue the 2017 Ford Super Duty.

Start with a 6.2-litre V8 engine with 430 lb.-ft. of torque or an available second-generation 6.7-litre power stroke V8 diesel with 925 lb.-ft. of torque.<sup>^</sup> Then, add a new frame (up to 24x stiffer than the previous generation) that minimizes flexing and twisting while maximizing strength and torsional rigidity. Need more reasons to get a Super Duty? Check out the following:

### Best-in-Class<sup>†</sup> Towing

You'll get an available, factory-installed, weight-carrying hitch; best-in-class <sup>†</sup> towing with a maximum go-

oseneck towing of 32,500 lbs. and a conventional towing maximum capacity of 21,000 lbs. (capabilities higher than any other heavy-duty pickup).

### Best-in-Class<sup>†</sup> Payload and New Features

This truck's 7,630-lb. maximum payload rating is also best in its class <sup>†</sup>. Plus, new available features include: class-exclusive\*\* BoxLink system, centre high-mount stop lamp camera\*, LED box lights, a class-exclusive\*\* remote tailgate release, power-locking tailgate, and a class-exclusive\*\* tailgate step.

### Available Trailer Reverse Guidance System\*

Super Duty is also the only hea-

vy-duty truck in its class<sup>^^</sup> to offer an available Trailer Reverse Guidance System to increase sightlines around the truck, and new technologies that display visual guides to help avoid jackknifing your trailer.\*

### Class-Exclusive<sup>^^</sup> Available Blind-Spot Information System\*

Newly available to Super Duty is Ford's Blind Spot Information System (BLIS) with cross-traffic Alert and Trailer Coverage. It detects vehicles in your blind spot, and is easily configured to detect vehicles in the lane beside the trailer, with coverage up to 30 feet beyond your bumper.\* Plus, cross-traffic alert helps detect passing vehicles or objects when backing up.\*

It's vital to have a truck that works as hard as you need it to. When it comes to heavyweight reliability, the 2017 Super Duty delivers the goods.

#### Legal

Vehicle may be shown with optional features.

<sup>^</sup> When properly equipped.

\* Driver-assist features are supplemental and do not replace the driver's attention, judgment and need to control the vehicle.

<sup>†</sup> Maximum conventional towing capacity of 21,000 lbs. on F-350 DRW 4x2 with 6.7L V8 diesel engine. Maximum gooseneck towing capacity of 32,500 lbs. on F-450 DRW 4x4 with 6.7L V8 diesel engine. When properly equipped with available factory-installed equipment. Class is Full-Size Heavy Duty Pickups over 8,500 lbs. GVWR based on Ford segmentation.

<sup>†</sup> When properly equipped. Maximum payload of 7,630 lbs. on F-350 DRW 4x2 with 6.2L V8 gas engine. Class is Full-Size Heavy Duty Pickups over 8,500 lbs. GVWR based on Ford segmentation.

<sup>^^</sup> Class is Full-Size Pickups over 8,500 lbs. GVWR based on Ford segmentation.

©2017 Ford Motor Company of Canada, Limited. All rights reserved.



**THE ALL-NEW 2017 SUPER DUTY®.**

**BECAUSE YOU  
DON'T DO  
"CAN'T".**



When you're hauling horses, cows, a cat or a deer, your valuable cargo demands a truck that overachieves: the 2017 Super Duty®. So you can pull more, our engineers pushed further to make it the toughest and most capable Super Duty® ever. Raw power was made smarter with class-exclusive® technologies that help reduce steering effort, backup your trailer, avoid a collision, stay in your lane, and so much more. Smartest. Toughest. Undisputed. Only Super Duty®.

**BEST-IN-CLASS  
MAX. TOWING  
32,500 LBS\***

**BEST-IN-CLASS  
MAX. PAYLOAD  
7,630 LBS\*\***

**IMPRESSIVE  
DIESEL TORQUE  
925 LB-FT\*\*\***

**BEST-IN-CLASS  
GAS TORQUE  
430 LB-FT†**



EXPLORE THE NEW SUPER DUTY®. [FORD.CA/SUPERDUTY](http://FORD.CA/SUPERDUTY)

Vehicle may be shown with optional equipment. \*Maximum towing capacity of 32,500 lbs. on F-450 DRW 4x4 with 6.7L V8 diesel engine. When properly equipped with available factory-installed equipment. Class is Full-Size Heavy Duty Pickups over 6,500 lbs. GVWR based on Ford segmentation. \*\*When properly equipped. Maximum payload of 7,630 lbs. on F-350 DRW 4x2 with 6.2L V8 gas engine. Class is Full-Size Heavy Duty Pickups over 6,500 lbs. GVWR based on Ford segmentation. \*\*\*Maximum diesel torque of 925 lb-ft on F-250/F-350 with 6.7L V8 diesel engine. When properly equipped. Class is Full-Size Heavy Duty Pickups over 6,500 lbs. GVWR based on Ford segmentation. †Maximum gas torque of 430 lb-ft on F-250/F-350 with 6.2L V8 gas engine. When properly equipped. Class is Full-Size Heavy Duty Pickups over 6,500 lbs. GVWR based on Ford segmentation. ‡20 available class-exclusive features (Adaptive cruise control) and collision warning with brake support, Adaptive steering, BLIS (Blind Spot Information System) with trailer coverage, BoxLiners with premium looking crests, Factory-installed customer placed trailer camera, Bifolding rear outboard safety belts, Multicontour front seats with Active Motion, Power deployable running boards, PowerScope power telescoping and power folding trailer tow mirrors, Remote tailgate release with power lock, Flat load floor, Stowable loading ramps, SYNC 3, Tailgate step, Trailer reverse guidance, Trailer tire pressure monitoring system (TPMS), Up to 7 available cameras, Utility lighting system (LED side-mirror spotlights, Smart trailer tow connector), Collapsible under-seat storage that folds into flat load floor). Class is Full-Size Pickups over 6,500 lbs. GVWR. Driver-assist features are supplemental and do not replace the driver's attention, judgment and need to control the vehicle. ©2017 Ford Motor Company of Canada, Limited. All rights reserved.



by  
**KAITLYNN  
ANDERSON**

# OTTAWA TO ORANGEVILLE: FARMING FOOTPRINT

**Kelsey Banks moved from her family operation to start her own grain and pumpkin farm in Dufferin County.**

Having a passion for agriculture and connecting with others have proven to be beneficial for 24-year-old Kelsey Banks.

She grew up on a small farm south of Ottawa, where her family grew asparagus, pumpkins, potatoes and gourds. They sold their produce at a roadside stand.

Now, she is in the second year of farming on her own at her grandparents' former farm in Orangeville.

Her grandparents had a Black Angus cow-calf operation but Banks decided to try something new.

"I've been working on producing something a bit different – winter wheat, IP (identity preserved) and RR (Roundup Ready) soybeans, and pumpkins!

"Last year was my first year farming alone, (so) I learned a lot about farming and where I really want the farm to go," says Banks, who also works full-time at Alltech in Guelph as a marketing specialist.

"I enjoyed the experience so much that, this year, I have increased my

pumpkin acres and I opened the farm up to the public every weekend in October for a pick-your-own Pumpkin experience."

The former Spencerville Fair Ambassador hopes to help others understand where their food comes from, while helping agriculture share its many stories.

From managing the *Travellin' Farmer* display, which made its way through several eastern Ontario events to teach the public about food production, to opening up her farm to the public to harvest their own pumpkins, Banks has already made an impact in the industry.

## Describe your role on your farm operation.

I think, like (with) most farmers, it depends on the day. I work with my dad, who is still in eastern Ontario, to figure out what needs to be done. I either hire (someone) or work to get it done.

Sometimes I play (the role of) mechanic, chemist or agronomist,

or anything else that needs to happen to make sure I reach my goals for the farm.

## How many people does your farm employ?

Last year, I only employed a custom worker to help with planting, spraying, etc. This year, with the pick-your-own, I hired a couple of part-time workers, plus the custom worker for the grain side of the business.

## Hours you work per week?

This is a tough one, as I also balance a full-time job. For the farm, I usually put in anywhere from 10 to 40 hours a week, depending on the time of year.

## Hours a day on a cellphone?

For the farm, at least two hours. For my full-time job, a lot!

## What about using your smartphone?

As my dad is still in eastern Ontario,

Laura Scott, 403B Photography



**"Last year was my first year farming alone, (so) I learned a lot about farming and where I really want the farm to go," says Kelsey Banks.**





**Kelsey Banks's "big picture goal" is to "have the residents of Orangeville know our farm as the place to go for pumpkins and a great family experience."**

and I really value his opinion and agronomic expertise, FaceTime or even photo sharing has been extremely important. If I see a weed or some type of disease that I may not know, I usually take a photo of it and send it to my dad.

Also, there are some great applications out there that help.

### Do you prefer email or text?

Email, definitely! I am known to look at a text, answer it in my head, but I forget to (respond) ... whoops!

### Any favourite apps?

Social media apps – especially Twitter to see what other farmers are doing and experiencing from around the world – and The Weather Network.

### How often do you travel?

I rarely travel on personal time as I have to balance my full-time job with the farm. So, the farm usually fills up most of my personal time. I am working on balancing this!

For my full-time job, though, I travel a bit. The nice part about working in agribusiness is (that, with) the places I travel to, I can learn things not just for (my off-farm) job but for the farm as well.

### What do you like best about farming?

I love seeing all of my hard work grow into something beautiful that helps people by feeding the world. The reason I love growing pumpkins is because I get to see people's love for "pumpkin spice everything."

### What do you like least?

I dislike the amount of stress I feel during planting and harvesting – especially this year's planting when the wet weather would not go away.

### What is the single most important lesson you've learned?

Patience. I'm a driver-type of personality and I don't like having obstacles that stop me from moving something forward. I have learned that patience is key in everything farming entails.

You may have a million things to do in only a short amount of time, but you have to be patient, relax and believe you WILL get (everything) done.

### What's your guiding management principle?

When in doubt, call Dad. He has all of the answers!

### Are you involved in any committees, associations or volunteer efforts?

I'm involved in the Junior Farmers' Association of Ontario, Ontario Soil and Crop Improvement Association, Dufferin Federation of Agriculture, Canadian Agri-Marketing Association, Ontario Farm Fresh Marketing Association and I'm a 4-H leader in Dufferin County ... I think that's it.

### What was the last book you read?

*The Power of Habit: Why We Do What We Do in Life and Business* by Charles Duhigg.

### What's your most important goal?

Right now: grow the farm business to a point where I can buy my own equipment.

Big picture goal: have the residents of Orangeville know our farm as the place to go for pumpkins and a great family experience.

### What's the best time/your favourite time of day?

Sunset! Anyone who follows me on social media can probably guess this.

### What was your most memorable crop/production year?

As this is only year two for me, I would say that last year was the most memorable.

I had just moved from eastern Ontario and only knew a few people in the area. It took me awhile to figure out who I had to go to in order to even purchase seed.

Luckily, I had the drive and this year has been easier on that front. However, Mother Nature is another beast herself. **BF**



by  
**KAITLYNN  
ANDERSON**

# SUCCESSION PLANNING TAX CONSIDERATIONS

**Experts weigh in to help make the topic of taxation on farm business transfers less daunting for producers.**

As producers who have created or are creating succession plans may know, a more complicated element of the process is the taxation implications of their decisions.

And there may be some important changes looming, as the federal government's proposed tax changes may come into effect on Jan. 1, 2018.

To help producers gain a better understanding of the current taxation situation, as well as of how the circumstances could change if the government enacts its proposals, *Better Farming* connected with three industry experts.

Specifically, we chatted with two accountants specializing in farm businesses – Coralee Foster, a partner at BDO Canada's office in Mitchell, and Anne Van Delst, a partner at Ginsberg Gluzman Fage & Levitz, LLP, in Ottawa. We also discussed the proposed changes with Mark Wales, a fruit and vegetable grower in Aylmer and a director with the Ontario Federation of Agriculture (OFA).

And these experts highlighted some notable implications for agriculture.

"Some of the (government's) proposals appear to have created issues for family farms that were not intended," said Foster.

"There was nothing in the proposals that was directly targeted at family farm operations but some (aspects) may unfortunately cause (these businesses) to be scooped up in the reforms."

Van Delst echoed the inconvenience that the proposed tax changes could place upon Canadian farmers.

"The government is currently looking at introducing rules that will limit the ability of farmers to income split, use family trusts, and transfer the farm to children not active in the operations," she explained.



**Coralee Foster**

## Current structure

Under the current taxation structure, the federal government has favourable rules to allow for the transfer of farm assets to a child or grandchild, Foster said.

So, worries about taxes should not top the list when creating a succession plan.

"The primary consideration in a farm succession plan needs to be making sure that the plan will result in the appropriate assets going to the appropriate person and then seeking to make (the plan) the most tax advantageous," she explained.

However, when farmers move from a consideration of successors to the process of succession, there are multiple taxation elements to consider.

"Every individual has a capital gains exemption of \$1,000,000 available in his/her lifetime to offset gains on defined farm property," said Foster.

Succession plans can ensure producers effectively use this Lifetime Capital Gains Exemption (LCGE).

"There is also a substantial tax benefit available to family farms," she added.

"Intergenerational transfers from

parent to child or grandchild can happen without the entire gain on the transferred asset being taxed.

"If farm property is transferred as an inheritance on death, or is sold during the lifetime of the farmer for proceeds that don't exceed the tax cost of the property, the accrued gain will be transferred to the next generation and the tax liability can be deferred until the property is eventually sold to a third party."

This benefit can apply to personally held assets such as real estate, quota, interests and shares.

Intergenerational transfer rules do not apply between siblings, however, nor do they apply between an individual and his or her nieces and nephews.

By creating a succession plan, families "can ensure that all criteria are met to allow for the (farm business) transfer to qualify for this treatment (of LCGE)," Foster said.

As for the structure of the transfer, the asset is usually sold for less than fair market value and may include a gift component, Foster explained.

"The proceeds may be paid out all at once or over a period of time," she said. "Lots of flexibility can be built into the repayment terms."

To allow for even greater tax benefits, families should also consider how the farm may be divided in the future.

Foster used the example of a family that has two children, whose parents jointly transfer the farm assets to them using the intergenerational rules.

"If those two children eventually wish to operate separately, there are no equivalent transfer rules between siblings," she said.

"So, any transfer of assets between them will have to happen at fair market value for tax purposes. This (valuation) may trigger a significant tax liability. If the parents transferred



**Anne Van Delst**



**Mark Wales**



agrobacter/iStock/Getty Images Plus photo



The government's proposed rules for 2018 may endanger current tax strategies.

certain assets to one child and other assets to the other (child), this problem could have been avoided.”

Unlike other industries, owners of fishing and farming businesses can currently transfer properties within the direct blood line for less than fair market value – however, the transfer price must be above the cost of the asset.

This below fair market-value sale price is allowed “in recognition of the high capital investment needed in farming (and fishing),” Van Delst explained.

For families to ensure that all aspects of the succession plan can be appropriately addressed and implemented, Van Delst recommends that they complete tax planning at least five years in advance of any anticipated changes in ownership.

“Appropriate tax planning can ensure farmers have a structure in place that allows them to pay minimal tax by taking advantage of the lower tax rates of all family members,” said Van Delst.

In the past, producers have used corporations and trusts to achieve such results, she explained. These corporate structures must be in place for at least two years prior to the anticipated sale or transition to

# ECHO NATIONAL SALES EVENT

## SAVE BIG THIS FALL!



**PB-250LN**  
25.2cc

After Rebate  
**\$199<sup>95</sup>**  
MSRP \$219.95

**\$20**  
INSTANT REBATE



**PB-580H/T**  
58.2cc

After Rebate  
**\$489<sup>95</sup>**  
MSRP \$529.95

**\$30**  
INSTANT REBATE

<p><b>Blower Model</b>      <b>Promo Price</b>      <b>SAVE</b></p> <p>PB755ST 63.2cc    \$ 599.95    \$ 50.00</p> <p>PB770H/T 63.2cc    \$ 649.95    \$ 50.00</p>	<p><b>Blower Model</b>      <b>Promo Price</b>      <b>SAVE</b></p> <p>PB755ST 63.2cc    \$ 599.95    \$ 50.00</p> <p>PB770H/T 63.2cc    \$ 649.95    \$ 50.00</p>
--	--

**GET 2 FREE Replacement Chains**  
(a \$50 Value) with purchase of any

**CS310**      **\$299<sup>95</sup>**



**GET 2 FREE Brush Blades**  
with purchase of an ECHO Brushcutter model SRM225U, SRM265U, SRM2620U, SRM280U or SRM410U (a \$40 Value)



**CS590-18**  
59.8cc

**SAVE \$100**



**\$499<sup>95</sup>**

**5**  
year  
Consumer  
Warranty

**FREE**  
**3' PAS EXTENSION**  
with purchase of any ECHO PAS Power Tool  
(a \$82.95 value)



**PLUS** any one of the following PAS Attachments:  
Hedge Clipper, Articulated Hedge Clipper 180°,  
New Mid-Reach Hedge Trimmer or Power Pruner\*

## POWER ON. AND ON.

Available at these participating ECHO Dealers:

Grassie . . . . . Ag & Turf Power . . . . . 905-945-4848	Komoka . . . . . Komoka Machine Ltd. . . . . 519-657-2113
Orillia . . . . . Allan Byers Equipment . . . . . 705-325-2746	Alexandria . . . . . Lefebvre Small Engines . . . . . 613-525-3151
Ancaster . . . . . Antler's Equipment . . . . . 519-753-6433	Maxwell . . . . . Maxwell Farm Service . . . . . 519-922-2108
Bradogon . . . . . B&K Tire & Battery . . . . . 519-345-2248	Walton . . . . . McGavin Farm Equipment Ltd. . . . . 519-887-6365
Dutton . . . . . Butch's Small Engines . . . . . 519-762-5683	Stirling . . . . . McIntosh Motors . . . . . 613-395-3757
New Dundas . . . . . Coleman Equipment Ltd . . . . . 519-696-2213	Limoges . . . . . Michel Blais Sales & Service. . . . . 613-443-1230
Rockwood . . . . . Connect Equipment Corp. . . . . 519-856-9512	Renfrew . . . . . Reis Equipment . . . . . 613-432-4133
Dresden . . . . . D.N.R. Outdoor Power Equipment. 519-683-6963	Alliston . . . . . Rentshop Inc. . . . . 705-435-3844
Belmont . . . . . Dale's Equipment. . . . . 519-644-0670	Listowel . . . . . Riverside Power Equipment. . . . . 519-418-3126
Gonarrague . . . . . Dan R Equipment. . . . . 613-381-5500	Chesley . . . . . Robert's Farm Equipment . . . . . 519-363-3192
Winchester . . . . . Dan R Equipment. . . . . 613-673-5830	Bienheim . . . . . Southwest Small Engine Sales . . . . . 519-676-8938
Elora . . . . . DeBoer's Farm Equipment . . . . . 519-846-5388	Warsaw . . . . . T.G. Quirk Holdings Ltd. . . . . 705-652-8758
Medford . . . . . Earth Power Tractors & Equip . . . . . 519-538-1660	Orangeville . . . . . Universal Rental Services . . . . . 519-941-1571
Stayner . . . . . Earth Power Tractors & Equip. . . . . 705-428-3132	Milbank . . . . . Zehr's Sales & Manufacturing . . . . . 519-595-7579

Rebates, special offers and promo pricing are in effect from Sept. 1, 2017 to Nov. 30, 2017.





[www.echo.ca](http://www.echo.ca)







**Anne Van Delst recommends that families complete tax planning at least five years in advance of any anticipated changes in ownership.**

ensure that the qualified farm properties will be eligible for the LCGE. Ninety per cent of the fair value of the assets must be used in active farming operations on the date of the sale to qualify.

However, the government's proposed rules for 2018 may endanger current tax strategies.

### Proposed adjustments

Allan Sawiak, Kingston Ross Pasnak LLP partner, Chartered Professional Accountant and Canadian Association of Farm Advisers (CAFA) member, outlined in a July release the multiple changes that could affect family farms.

The first main change involves the Capital Gains Deduction (CGD), which is an amount equal to 50 per cent of the LCGE that offsets net income when calculating taxable income. The second change relates to the practice of income splitting.

"After Dec. 31, under the tax proposals, using your child's CGD on eligible farm property will be subject to various restrictions," Sawiak said in his statement.

One of these restrictions requires

that the government carries out a reasonableness test on "all capital gains realized on farm partnership interests and shares in a farm corporation earned by an individual who is related to the farmer."

Any gains that fail this test will be subject to the highest tax rate.

For example, the highest personal tax rate in Ontario for 2017 is 53.53 per cent.

In addition, children under the age of 18 "will not be allowed to use their CGD on any property, including eligible farm property," said Sawiak.

Children will also be unable to utilize "their CGD on the appreciated value of eligible farm property that built up (prior to) their 18th birthday," he said.

Unfortunately, these proposed changes may cause difficulties for producers creating succession plans.

"The tax changes being proposed will make it easier and cheaper for farmers to sell their farm business shares to a stranger rather than to their own child or grandchild," said Van Delst.

"This (change) does not make sense if we want to see farms continue

to transfer to the next generation."

If the new tax laws are put into place, "any farmer who has incorporated his/her business will need to review his/her succession plan with (an) adviser to ensure (the current) tax plan makes sense under the new rules," she said.

Under the proposed rules, farmers will need to pay closer attention to the transactions and operational involvement of related individuals between the ages of 18 and 24.

While families with incorporated farms will be the first to be hit by the changes, they may not be the only group to face difficulties, according to Mark Wales, an OFA director.

"Formal partnerships may face difficulty in fully accessing the LCGE as well during an intergenerational transfer," said Wales.

"Typically, a farm couple who is preparing to transfer the farm assets will evolve (the operation) from a partnership or sole proprietorship to an incorporated (entity). Then, they will transfer shares gradually to the next generation."

In order to ensure the children aren't left with a large tax burden,



“farmers have (previously) been able to use their lifetime exemptions and some — or all — of the children’s exemptions,” said Wales.

However, under the proposed tax changes, “the use of the next generation’s LCGE during the transfer of farm assets or shares will be more difficult and may require a large increase in professional fees for things (such as) property appraisals every time (one) of the children (reaches the age of) 18.”

When succession planning, families may also want to consider discussing other farm investments.

If the proposed changes are approved, corporations with an AgriInvest account, for example, could face a tax of up to 70 per cent on the passive investment, Wales said.

“This program is about putting money away to deal with sudden downturns in farm income,” he said. “The government has encouraged farmers to assume (a larger) share of managing risk on the farm and now they want to further tax the money that you put into their program.”

So, while the transfer of farm assets will be subject to many restrictions, families may also want to discuss the future of investment planning.

### Where to start

As the situation currently stands, “farming income that is reported on personal income tax returns can be exposed to substantially higher tax rates, since all income is taxed on the farmer’s personal tax return,” said Van Delst.

“However, if you were to report income within a corporation, you would not need to pay personal tax on the entire amount — only on the amount you withdraw personally,” she explained. “If an individual earns more money each year than he/she needs for day-to-day living expenses, it may be time to consider incorporation.”

Farmers could retain the excess earnings in the farm corporation for them to be taxed at lower corporate rates, said Van Delst.

These decisions associated with

succession planning and finding the best taxation plans can be made by producers with the help of qualified professionals.

For producers who are interested in tackling their succession plans, Van Delst suggests having a professional team that includes “a tax accountant, a lawyer, a banker, an investment adviser and a life coach, (where applicable).”

Like all business owners, farmers

should consider using these specialists to assist in tax and business planning, she said.

“The CAFA website provides contact information for professionals across Canada who practice within the agricultural industry.”

Farmers should review the existing farm business structure with these advisers yearly, as small changes may need to be made as time goes on, Van Delst explained. **BF**



Work over 50 acres per hour with the new 52' model

## THE EFFICIENCY OF BLUE HIGH ACREAGE PERFORMANCE AT LOW COSTS WITH THE HELIODOR 9

The Heliodor 9 is your perfect choice for efficient stubble cultivation and residue management. The unique disc attachment provides a dual cutting angle that allows you to work shallow but also across the entire soil profile. The combination of mixing and leveling creates a seed-ready field after one pass.

- Integrated roller ensures precise depth control
- Individual attached leaf springs create disc vibrations for a self-cleaning effect and better crumbling
- Now available with full hydraulic depth adjustment

**Shawn Robinson**  
Ontario Sales Manager  
519-860-6618

 **LEMKEN**  
The Agrivision Company  
@strategicill | lemken.com

Now with **0%** Financing  
Offer ends November 30, 2017. Conditions apply.



by  
**MOE AGOSTINO  
& ABHINESH  
GOPAL**

# TRACKING THE IMPACTS OF HURRICANES

Severe weather can wreak havoc on crop quality and affect the ag markets.

Arlene, Bret, Cindy, Don, Emily, Franklin, Gert, Harvey, Irma, Jose, Katia, Lee, Maria and Nate! It's not surprising if you perhaps thought of this list as a rollcall.

Unfortunately, it's not from a school classroom. Rather, these are the named storms (as of Oct. 10) that raged in the Atlantic Ocean this year.

Some of the hurricanes attained Category 5 status, which is the highest category in terms of intensity and magnitude, at some point during their rampage.

Weather experts forecasted this year's Atlantic hurricane season to

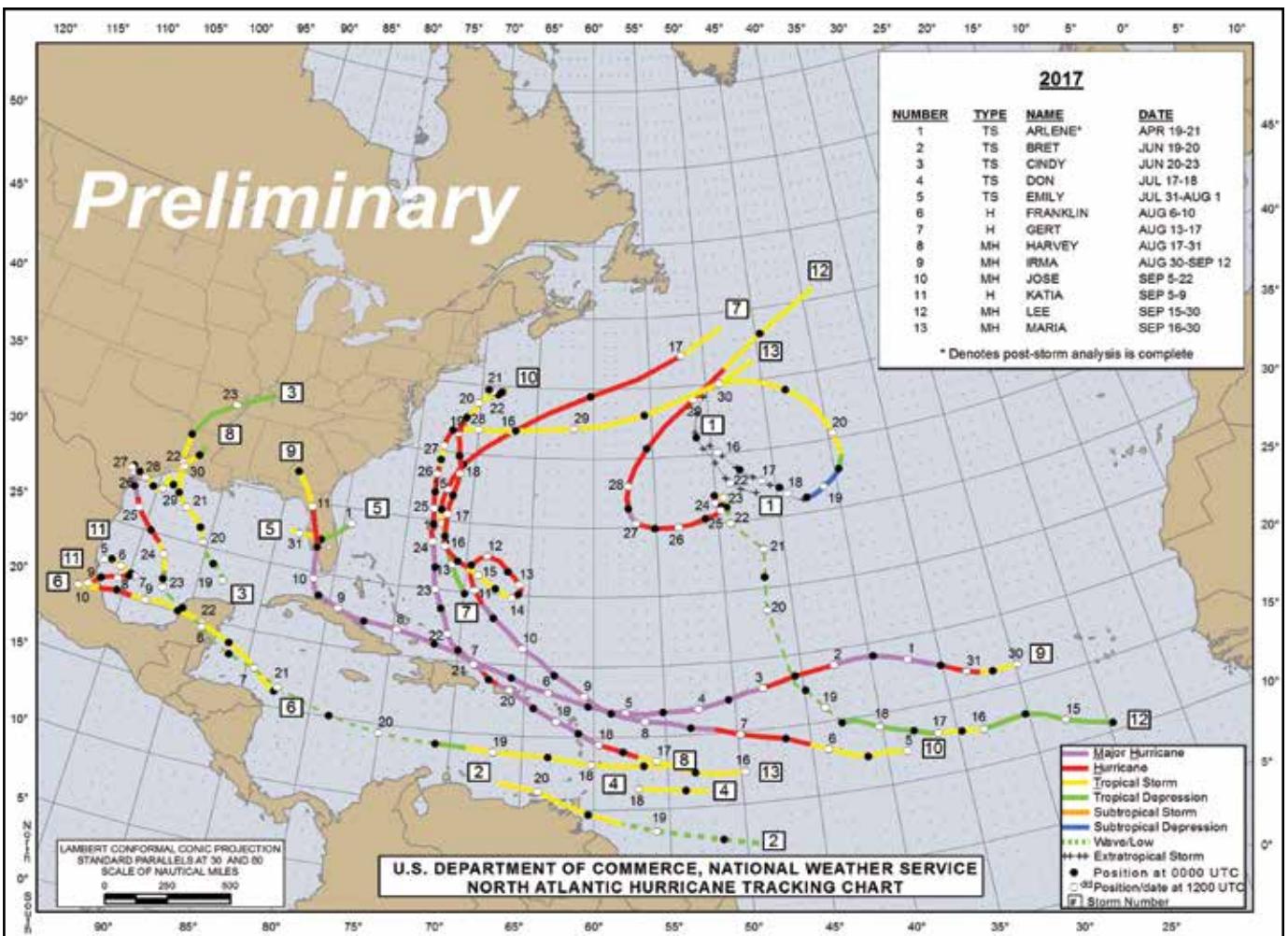
have more named storms than usual because of a unique combination of prior weather signals – weak vertical wind shear, weak El Niño weather pattern, and above average ocean surface temperatures. And this season is shaping up to be one of the most active on record.

As of Oct. 10, the Atlantic has seen 14 named storms, nine of which became hurricanes. In recorded history, only eight other years have generated seven or more Atlantic hurricanes by the same point in the season, experts say.

The Caribbean Islands were in the

eye (centre) of many of these latest storms but the hurricanes also inflicted pain on the American mainland. Notably, Hurricane Irma followed Hurricane Harvey – and both were “major” hurricanes that severely impacted the United States in the same year.

These occurrences caused the weather watchers to open up the history books as well. Hurricane Harvey, for example, was the first major hurricane to make landfall in the United States since Wilma in 2005, ending a record 12-year drought in which no major hurricanes made



This map shows the preliminary Atlantic tropical cyclone tracks as of the end of September.

Source: National Weather Service/National Hurricane Center



landfall in the country.

The financial markets – especially the agricultural markets – took keen notice of the severe weather. The economic impact of these two significant natural disasters, hitting in close proximity to one another, disrupted the regional economies in the affected areas. Typically, for example, when there's hurricane damage to local infrastructure, steel stocks are buoyed because people will need to rebuild.

In late August, Hurricane Harvey destroyed an estimated US\$150 million worth of cotton. This value may be small when compared to the total American production, which the nation's authorities estimate to be approximately 20 million bales.

Hurricane Irma left a trail of devastation in Florida's citrus and sugarcane producing areas. Orange juice futures, for example, spiked as the state's best-known agricultural export product suffered. Florida is the world's second-largest orange producer, behind only Brazil.

The most recent estimates of the

damage to Florida's orange trees put the state losses as high as 70 per cent. That devastation could lead to orange shortages, price hikes and, for farmers, lost harvests. These challenges are all on top of citrus greening, a debilitating plant disease, and a long-term national decline in orange juice consumption.

The fallout of the hurricanes also boosted raw sugar futures. (Florida sugar cane is responsible for a quarter of the American sugar production). Sugar prices are affected by oil and ethanol prices, which rise as a result of the severe weather damages. Heating oil futures spiked due to the anticipated demand-supply crunch for the commodity, due to the hurricane impact.

Hurricanes also disrupt livestock demand and logistics, which was the case with Harvey and Irma in the affected American areas. For example, in North Carolina, America's second-largest producer of hogs and turkeys, storm preparations led livestock operators to stock their grain bins with extra feed, in case the roads washed

out. These impacts, however, are usually temporary in nature.

Agricultural production losses due to the latest hurricane activity in the United States may be small in comparison to total production. Local farmers and communities, however, lose the most and all they can do is prepare for the worst and hope for the best.

Any near-term spike in futures, like those for cotton, orange juice or sugar, should be hedged when associated with hurricane activity, since they may not be long-lasting. For American agricultural supplies affected by hurricane damage, the major worry may be over quality rather than quantity. **BF**

*Maurizio "Moe" Agostino is chief commodity strategist with Farms.com Risk Management. Abhinesh Gopal is a commodity research analyst with Farms.com Risk Management. Risk Management is a member of the Farms.com group of companies. Visit [RiskManagement.Farms.com](http://RiskManagement.Farms.com) for more information.*

*A Great Lineup of*  
**CHEVY  
PICKUPS**

*Plus*  
**HUGE  
DISCOUNTS**  
*for OFA Farmers*

---

**BARRY CULLEN**




THE  
REGIONAL  
DEALER  
AND THE  
**SILVERADO  
SHERIFF**

*It's time to call the* **SILVERADO SHERIFF**

**519-824-0210**

**Guelph, Ontario**

[www.barrycullen.com](http://www.barrycullen.com) | [info@barrycullen.com](mailto:info@barrycullen.com)



**OFA** Ontario  
Federation of  
Agriculture



by  
**DALE  
COWAN**

# WEATHERING MOTHER NATURE'S IMPACT

**Temperature inversions and delays in CHU accumulations made the 2017 growing season one to remember.**

No matter where you go in Ontario, someone is sure to bring up a discussion of weather in any conversation – especially in the farm community, as everything we do depends upon the weather events that have occurred to date or that are forecasted.

Weather influences many areas of crop production. There are, however, two main areas where the influences are felt more. One is well known and documented, while the other is more of a phenomenon.

First, crop heat units (CHUs) are one of the more disciplined, well-defined and systematic ways to track accumulated heat and crop growth stages. The other area is temperature inversion, which has become more of a concern with the introduction

of the new formulations of dicamba, used on dicamba-tolerant soybeans.

### Tracking corn heat units

The 2017 growing season took us on quite a ride across Ontario. A promise of an early spring in late April soon turned into a cool, wet period through early May. As a result, our corn and soybean planting season extended all the way into June. For the balance of the year, we struggled to maintain a steady pace of CHU accumulations and we faced sporadic or sometimes intensive rain events.

We often talk about CHU accumulation but seldom do we appreciate or understand how these figures are calculated.

Most farmers start to think about CHU accumulation when they notice that crop development is slower than they anticipated, or when we have some really cold nights and

their concerns turn to the danger of a damaging frost. Then the question becomes: where are we on CHU accumulation versus last year? Are we further ahead or falling behind?

As we all know, corn is a warm season crop. Its rate of development is determined by how much heat we accumulate.

CHUs are calculated using the maximum and minimum daily temperatures. We use a separate calculation for daytime and nighttime temperatures. During the daytime, CHUs are calculated when the temperature falls between 50 F (10 C) and 86 F (30 C). The reason for the range is that corn does not grow at all when the daily temperature is 10 C or less, and growth slows when the temperature exceeds 30 C.

CHU calculations for the evening use a minimum of 39.9 F (4.4 C) and have no upper limit.

## MAR-SPAN



Residential • Commercial • Agricultural

- ✓ Engineered floor systems
- ✓ Truss designs up to 100'
- ✓ Take offs, estimating & design
- ✓ Specialized building supplies
- ✓ Pine, Cedar, Spruce & Pressure-Treated Lumber
- ✓ Complete line of delivery trucks

7873 Wellington Rd. 8 Drayton, ON N0G 1P0

**HH Building Centre:**  
**1-800-318-0724**  
**Mar-span Truss Inc.:**  
**1-877-379-5828**

Proud Supporter of



and its members

[www.marspan.com](http://www.marspan.com)



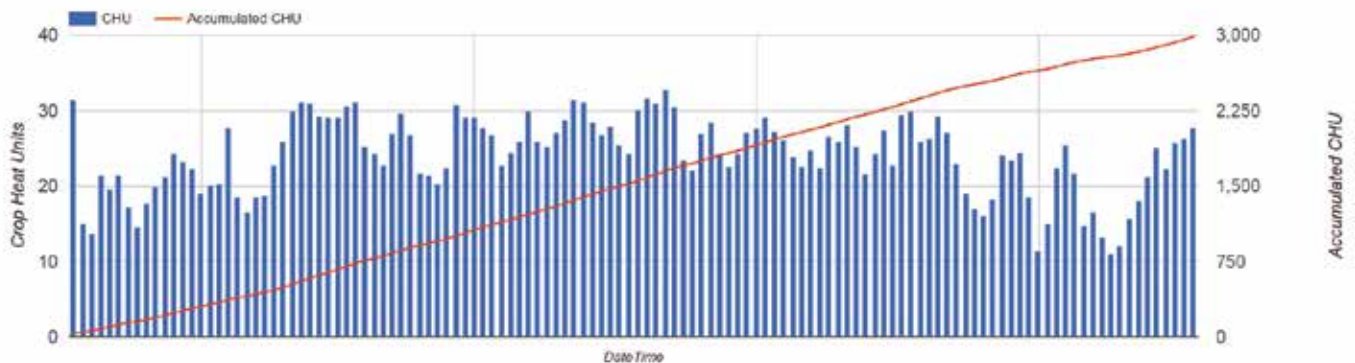
Temperature inversions occur when a layer of warm air forms on top of a cooler, dense layer of air near the soil surface.



## Crop Heat Units

Planting Date: May 18

\* CHU ends on first frost day (min temperature is -2 °C) of the year.



**Crop Heat Units are averages of the day and night temperatures in the respective ranges and threshold temperatures.**

CHUs are averages of the day and night temperatures in the respective ranges and threshold temperatures.

We certainly saw many nights in August when the temperatures fell below 10 C. Cool night temperatures cause a delay in crop growth. It may take an additional day for a corn crop to fully recover and resume normal growth after a chilly evening.

Certainly night temps below 4.4 C but above 0 C may cause a three- to four-day delay in crop recovery, regardless of the subsequent daytime temperatures. In a growing season where we are behind normal CHU accumulation, these cool nights simply cause further delays in maturity.

Farmers can turn to many sources to find the current CHU accumulations. Many commercial websites offer this content. Some sites even allow the farmer to enter planting dates and use growth models to track and predict each crop growth stage all year long.

For those who undertook this tracking, we could see crop maturity being pushed further back with each cooler daytime and nighttime temperature.

At the end of July, for example, we saw predictions of some fields reaching the R6 black layer on Sept. 9. As we got closer to end of August, with cooler weather, that prediction was pushed back to Sept. 15.

Subsequent dry down predictions were also delayed. Predictions of corn fields achieving a 25 per cent harvest moisture, for example, were delayed from mid-October to Nov. 3.

Farmers cannot do much in the case of cooler weather, other than to keep adjusting their harvest plans based on delays in maturity. Producers can, however, review the range of hybrid maturities they planted and the corresponding flowering dates in order to evaluate production risks.

### Understanding temperature inversions

While we regularly talk about weather and CHUs, especially towards the end of a growing season, we essentially never talk about temperature inversions in the spring.

Temperature inversions are not usually top of mind, likely because

we are busy performing spring field management operations and planting tasks in a very short operating window. However, with the introduction of dicamba-tolerant soybeans and the use of the new, low volatility dicamba herbicide compounds, temperature inversions must become top of mind if we are to avoid off-target movement and damages to sensitive crops.

These inversions occur when a layer of warm air forms on top of a cooler, dense layer of air near the soil surface. This situation, in effect, puts a lid on the lower, near-surface atmosphere, trapping the cooler, dense air underneath it.

Under this lower layer, it is dead calm with no wind or turbulence.

Temperature inversions begin to form in the late afternoon, after a warm day followed by rapid cooling. These inversions strengthen overnight

## LAND CLEARING

### AG & COMMERCIAL

- Field Stone Crushing • Raking & Picking
- Cement & Pavement Grinding
- Mulching – Trees, Brush, Woodlots, Stumps, Trails
- Self Propelled & Excavator Mounted Mulchers
- Commercial Snowblowing • GPS Guided
- New & Late Model Equipment • Year Round Service

Since 2008

## MGM FAMILY ACRES

Mike Schill 519-321-9834






**We cannot change the weather but we can respond and adjust our risk management options where and when we can.**

and will dissipate in the morning, after the sun rises and warms up the ground. Wind speed usually increases as the morning progresses, which mixes the air layers and removes the inversion.

At night, most people will notice the effects of an inversion without necessarily realizing the significance of it. For example, you can hear your neighbours – who live half a mile away – talking, as if they were on your back deck. The sound waves bounce off the near-surface layer of air, rather than dissipating. The smoke from a campfire moves horizontally a few feet above ground instead of spiraling upward. A thin layer of fog hanging over the field in the early morning is another telltale sign of an inversion.

Why is it important to be able to recognize a temperature inversion?

Most notably, we need to understand this phenomenon for those situations when we are waiting for wind speeds to go down before spraying herbicides to decrease potential for physical drift. If we opt to spray in the evening when the

wind goes down, we may actually be spraying into a developing temperature inversion.

In such an inversion, we do not have the necessary wind speed to cause fine particles to mix and fall onto the target plants. A minimum wind speed of three miles per hour (five km/hr) is required to ensure that variously sized spray droplets are subjected to enough turbulence to fall onto the target.

Under a temperature inversion, the near-surface layer of dead calm air will cause finer particles to stay suspended for hours. This phenomenon increases the likelihood of fine herbicide particles drifting into sensitive crops when the wind speed gradually increases the following morning.

Proper application timing is critical to manage the risk surrounding the use of low-volatilization formulations of dicamba.

In Ontario, the agricultural community introduced the use of this product as a pre-plant burndown mixed with residual chemistry. There were two main reasons behind that

implementation strategy.

Our first concern was for good stewardship practices through the use of multiple modes of action for weed control. We did not want to use a single mode of action to control resistant weeds. (Hopefully everyone remembers how we got resistant weeds.)

Secondly, the pre-plant herbicide application usually ensures we target the weeds when they are smaller, ensuring more effective control, and when the weed vegetation is not very dense, thereby reducing the potential for volatilization losses.

Even with the new formulations of dicamba, the risk of volatilization – although low – increases when spraying herbicides on full crop canopies.

Most importantly, in May, we observed only five temperature inversion events in southwestern Ontario. In June, in contrast, we experienced 23 events. Every day in July, we experienced a temperature inversion.

As a result of promoting pre-plant burndown, the chance of particle or vapour drift caused by temperature inversion is essentially reduced to extremely low levels. Spraying in-crop in June greatly increases the risk of applying herbicides during temperature inversions.

In addition, the product labels are very prescriptive in detailing how to apply the products. The labels specify boom height, nozzle type, as well as ground and wind speed, which lowers the risk of off-target movement and supports a positive product user experience for everyone.

We cannot change the weather. But we can respond and adjust our risk management options where and when we can.

We need to appreciate how weather events influence our management decisions and resulting outcomes. **BF**

*Dale Cowan, CCA-ON, 4R NMS, is a senior agronomist with AGRIS Co-operative Ltd. and Wanstead Farmers Co-operative Ltd.*



# WE'RE PRODUCING PROSPERITY FOR ONTARIO

When Ontario goes to the polls next spring, OFA wants to ensure MPP candidates know the vital role Ontario farmers and our rural communities play in the economic wellbeing of the entire province.

Our election messages are focused on ***Producing Prosperity*** as we advocate for effective public policy that distributes economic development across the province to ensure our farms and rural communities can continue to produce prosperity.

Expanding economic development beyond urban centres will benefit all Ontarians with:

- ✓ Smart growth and sustainable farms
- ✓ New opportunities for good paying jobs
- ✓ Affordable housing for families in growing communities
- ✓ Less commuting, carbon and grid lock
- ✓ Relief for urban housing and transportation issues

Watch for election messaging updates at [ofa.on.ca](http://ofa.on.ca) and follow **#producingprosperity** on OFA social media channels.

**OFA: Rural Ontario is producing prosperity across the province.**



by  
**PATRICK  
LYNCH**

# BURYING UNDIES FOR SOIL HEALTH

Yields indicate the health of soil, which is shaped by parent materials, nutrients, disease and organic matter.

CNH Industrial photo



I have not seen worm pickers in no-till fields with a corn-soybean-wheat rotation.

The Ontario Soil and Crop Improvement Association is carrying on a project to put a focus on soil health.

The project involves burying underwear and seeing how much they break down by the end of the season.

This project focuses on soil health. But the condition of underwear at the end of the season is not the whole story of soil health.

In fact, I would argue that the condition of the underwear at the end of the season has no more measure of a soil's health than of the person who owns the underwear.

There are similarities between human health and soil health.

Personal health can be defined as living a long life with minimal health issues. Soil health can be defined as the ability to produce good crops consistently.

With human or soil health, everything may not be as it seems. I know there are many researchers looking at soil micro-organisms and people selling products to improve soil health. These efforts are all good but I argue the ultimate test of soil health is yield – just like the ultimate test of a healthy person is a long life with few physical discomforts.

One of the biggest factors with human health is genetics. If your parents have certain genetic factors, such as a heart condition, these issues will likely affect you as well.

Similarly, the parent material of a soil and the soil type are big factors in determining soil health. Silt loams tend to be healthier than heavy clays, as the latter tend to build up the soil diseases that affect roots. The specific nature of the soil is the main reason why you cannot produce high corn

yields in two successive years on a clay soil.

Sand soils tend to have other problems, such as the inability to hold water.

In crop production, yield is a combination of genetics and environment. The way these factors interact affects final yield.

The same is true with human health. If you have good genes, but live with a smoker or live in a country where food is scarce, your life span is likely to be shortened.

Beyond environment and genetics, the biggest factor in human health is nutrition. You can look at the undernourishment of some people in developing countries and find a correlation to lifespan. You can look at the obesity of some North Americans and see that poor nutrition affects human health.





Soil health is measured by yield.

Similarly, nutrition is big with crops. The wrong nutrients, or insufficient levels, will affect yield.

And still many people are out of shape and many farmers do not conduct soil tests.

Another factor in human health is diseases. You may have a healthy lifestyle but contract a harmful disease. Similarly, you may have great soil but, if it is loaded with mould or phytophthora because of too many years of soybean production, it is not very healthy.

We all unfortunately know of people who appear to be in perfect health but suddenly learn they have cancer.

One of the “cancers” of soil is resistant weeds. These weeds can be controlled but certainly affect the ability of your soil to produce a good crop.

And people can have good genetics and appear to be healthy but still be out of shape. This situation, while unhealthy, can generally be corrected.

The comparable factor in soil is organic matter. You can have a soil that should be producing well but, be-


# SALFORD BUILT FOR SOIL PRODUCTIVITY

**EARLY ORDER PROGRAM IS ON NOW. PLACE YOUR ORDER TODAY FOR BEST PRICE.**


**NO INTEREST. FOR UP TO 6 MONTHS. NO PAYMENT FOR UP TO 1 YEAR.\***

\*Terms and conditions apply. See dealer for details.


**5200 ENFORCER**



TANDEM DISC



HIGH CLEARANCE COMPOUND ANGLE BLADES



FOUR ROWS OF BLADES ON A DEEP FRAME

**SALFORD 5200**

**8 MPH 25 ACRES / HOUR**

STANDARD TANDEM DISC

**5.5 MPH 17 ACRES / HOUR**

## NEW 5200 ENFORCER

**TOTAL TILLAGE** - Four rows of disc blades completely incorporate residue and reduce soil density the same as running two passes with a tandem disc.

**HIGH SPEED & ADDED CLEARANCE** - Patent pending independently mounted disc blades on a deep frame provide more clearance than a compact disc. High speed, high clearance operation with less risk of plugging.

**STAY ENGAGED & LEVEL** - The 5200 Enforcer's first three rows of blades are tipped under to hold the machine in hard ground and angled out to move more soil. The fourth row is set back and less aggressive to begin leveling before the HD harrows.

\* High Speed Operation based on a 29ft tool. Results may vary.

### SALFORD GROUP ■ TILLAGE ■ SEEDING ■ APPLICATION

<p><b>CALL YOUR ONTARIO SALFORD DEALER TODAY!</b></p>	<p><b>HALNOR EQUIPMENT</b> Waterford, 519-443-8622 halnor.com</p>	<p><b>MCGAVIN FARM EQUIPMENT LTD</b> Walton, 519-887-6365 mcgavinequip.com</p>
<p><b>ANDERSON EQUIP. SALES</b> Belleville, 613-969-6246 Picton, 613-476-6597 andersonequipment.ca</p>	<p><b>HUB INTERNATIONAL LTD.</b> Lindsay, 705-324-6136 Port Perry, 905-982-1500 hubinter.com</p>	<p><b>O'NEIL'S FARM EQUIPMENT LTD</b> Binbrook, 905-572-6714 oneils.ca</p>
<p><b>C.L. BENNINGER EQUIPMENT LTD.</b> Chatham, 519-352-8070 clbenninger.com</p>	<p><b>HYDE BROTHERS FARM EQUIPMENT</b> Hensall, 519-263-2605 hydebros.com</p>	<p><b>REIS EQUIPMENT CENTER</b> Carp, 613-836-3033 St. Isidore, 613-527-1501 Winchester, 613-774-2273 Renfrew, 613-432-4133</p>
<p><b>E.S.M FARM EQUIPMENT LTD.</b> Wallenstein, 519-669-5176 esmfarmequipment.com</p>	<p><b>J &amp; H SALES &amp; SERVICE</b> Chesley, 519-363-3510 jhsales.com</p>	<p><b>STRATFORD FARM EQUIPMENT</b> London 519-659-0429 New Hamburg 519-662-2702 Stratford 519-393-5152 Woodstock 519-423-6264 sfe-sales.com</p>
<p><b>G.J.'S FARM EQUIPMENT</b> Burgessville, 519-424-9374 gjsequipment.com</p>	<p><b>KUCERA FARM SUPPLY</b> Arlinston, 519-898-2961 kuceras.com</p>	<p><b>YURKE SALES &amp; SERVICE LTD</b> Comber, 519-687-2209 yurkesales.com</p>

Call your Salford Dealer today, or visit [salfordgroup.com](http://salfordgroup.com)  
Ontario & Manitoba, Canada 1-866-442-1293





If you grow forages, you will have so many earthworms that pickers will pay big money to harvest these worms.

cause of poor cropping habits, it has lower organic matter levels. This situation can happen, for example, in vegetable fields and fields where producers do not add organic matter in the form of forage crops and corn stalks.

So, where does tillage enter into soil health?

This factor is very minor. Whether you practise no-till, use conservation tillage or mould board plough has little influence on soil type, diseases,

fertility or organic matter.

If you no-till and have earthworms, for example, that situation is good. If you grow forages, you will have so many earthworms that pickers will pay big money to harvest these worms. And this situation occurs in fields where farmers plough before establishing alfalfa.

I have not seen worm pickers in no-till fields with a corn-soybean-wheat rotation.

In summary, soil health is mea-

sured by yield. The main factors which affect soil health are soil type, balanced soil fertility, and organic matter, as well as freedom from diseases, nematodes and resistant weeds.

You can improve the health of your soil with crops that include forages and cover crops. And soil testing. **BF**

*Consulting agronomist Patrick Lynch, CCA-ON, formerly worked with OMAFRA and Cargill.*

### Trait Stewardship Responsibilities Notice to Farmers

**Monsanto Company is a member of Excellence Through Stewardship® (ETS).** Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. These products have been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from these products can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for these products. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

**ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** Roundup Ready 2 Xtend® soybeans contain genes that confer tolerance to glyphosate and dicamba. Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate, and those containing dicamba will kill crops that are not tolerant to dicamba. Contact your Monsanto dealer or call the Monsanto technical support line at 1-800-667-4944 for recommended Roundup Ready® Xtend Crop System weed control programs. Roundup Ready® technology contains genes that confer tolerance to glyphosate, an active ingredient in Roundup® brand agricultural herbicides. Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate.

**Acceleron® seed applied solutions for corn (fungicides only)** is a combination of three separate individually-registered products, which together contain the active ingredients metalaxyl, prothioconazole and fluoxystrobin. **Acceleron® seed applied solutions for corn (fungicides and insecticide)** is a combination of four separate individually-registered products, which together contain the active ingredients metalaxyl, prothioconazole, fluoxystrobin, and clothianidin. **Acceleron® seed applied solutions for corn plus Poncho®/VOTIVO™ (fungicides, insecticide and nematocide)** is a combination of five separate individually-registered products, which together contain the active ingredients metalaxyl, prothioconazole, fluoxystrobin, clothianidin and *Bacillus firmus* strain I-1582. **Acceleron® Seed Applied Solutions for corn plus DuPont™ Lumivia® Seed Treatment (fungicides plus an insecticide)** is a combination of four separate individually-registered products, which together contain the active ingredients metalaxyl, prothioconazole, fluoxystrobin and chlorantraniliprole. **Acceleron® seed applied solutions for soybeans (fungicides and insecticide)** is a combination of four separate individually registered products, which together contain the active ingredients flupyrroxad, pyraclostrobin, metalaxyl and imidacloprid. **Acceleron® seed applied solutions for soybeans (fungicides only)** is a combination of three separate individually registered products, which together contain the active ingredients flupyrroxad, pyraclostrobin and metalaxyl. **Visivio™** contains the active ingredients difenoconazole, metalaxyl (M and S isomers), fludioxonil, thiamethoxam, sedaxane and sulfoxaflor. **Acceleron®, Cell-Tech®, DEKALB and Design®, DEKALB®, Genuity®, JumpStart®, Monsanto BioAg and Design®, Optimize®, QuickRoots®, Real Farm Rewards™, RIB Complete®, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, Roundup Transorb®, Roundup WeatherMAX®, Roundup Xtend®, Roundup®, SmartStax®, TagTeam®, Transorb®, VaporGrip®, VT Double PRO®, VT Triple PRO® and XtendiMax®** are trademarks of Monsanto Technology LLC. **Used under license. BlackHawk®, Conquer® and GoldWing®** are registered trademarks of Nufarm Agriculture Inc. **Valtera™** is a trademark of Valent U.S.A. Corporation. **Fortenza® and Visivio™** are trademarks of a Syngenta group company. **DuPont™ and Lumivia®** are trademarks of E.I. du Pont de Nemours and Company. **Used under license. LibertyLink® and the Water Droplet Design** are trademarks of Bayer. **Used under license. Herculex®** is a registered trademark of Dow AgroSciences LLC. **Used under license. Poncho® and VOTIVO™** are trademarks of Bayer. **Used under license.**



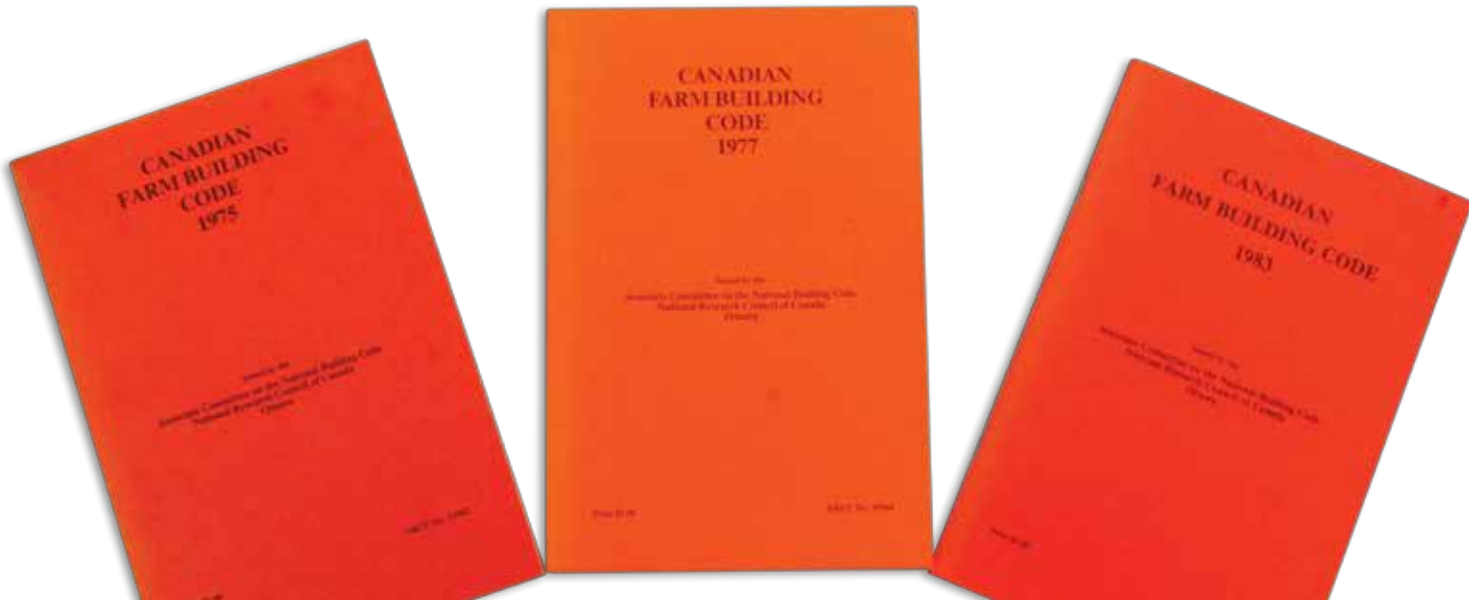


# UPDATES TO CANADIAN FARM BUILDING CODE REQUIRED

by  
**RALPH  
WINFIELD**



The Code allows some leniency for low human occupancy farm buildings and is important for the ag community.



Early Canadian Farm Building Codes were effective documents but not attractive.

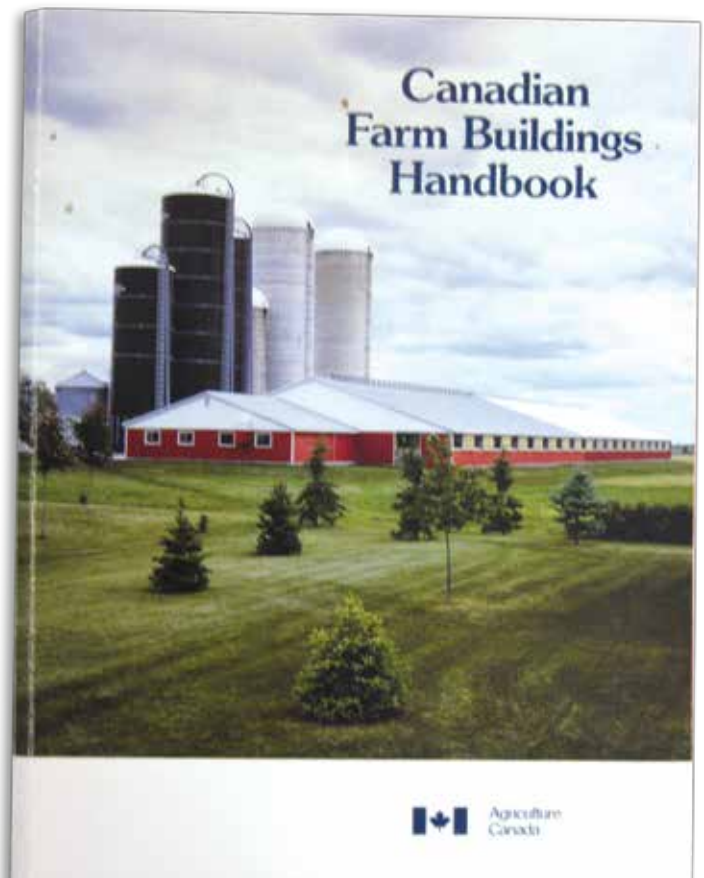
In the event of building failure due to snow loading, wind or fire, most farm structures have a much lower risk to human life than commercial buildings. This reduced risk can be attributed to the fact that farm buildings, with the exception of residences and on-farm market areas, have fewer people in them than commercial buildings.

In light of these decreased risks, the Associate Committee on the National Building Code (NBC) released the first issue of the Canadian Farm Building Code (CFBC) in 1964. The CFBC allowed for slightly higher stress levels in structural components, as well as increased distances between exit locations.

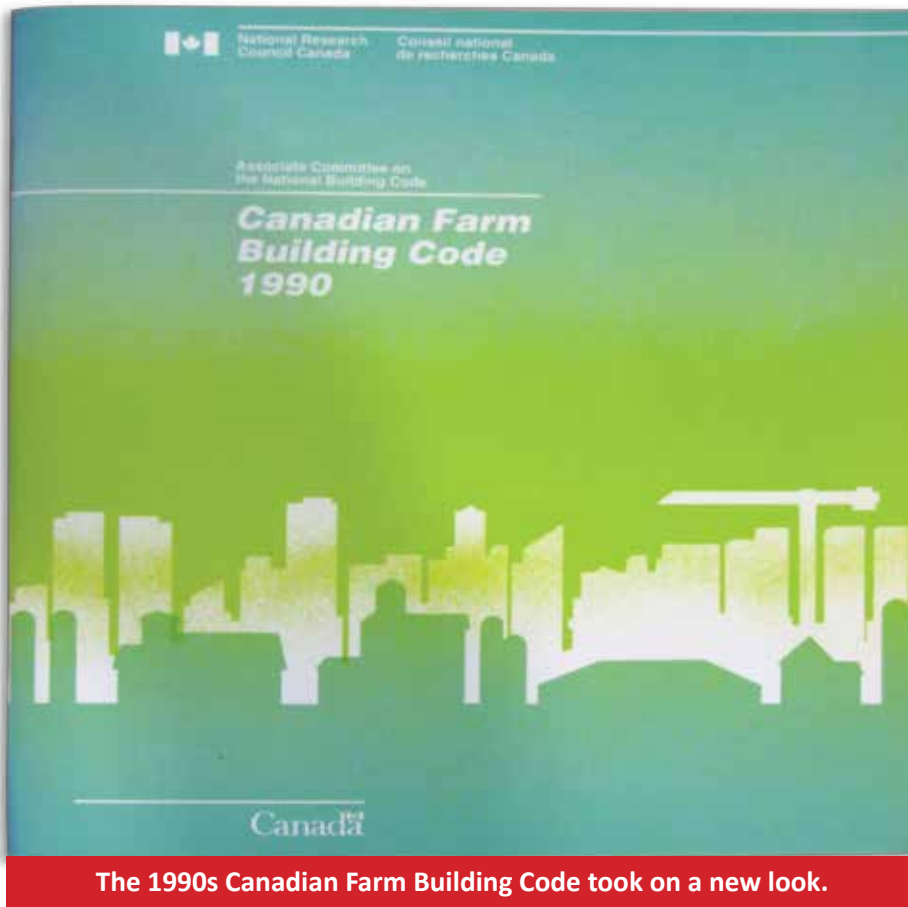
The code adjustments decrease building costs significantly, while ensuring a relatively safe environment for farm animals and poultry. The CFBC was never applied to farm residences which still had to be designed to the requirements of the NBC, as with residences built in towns and cities.

During the 1970s, the CFBC contained a significant amount of design criteria that engineers and building contractors could use directly. For example, the CFBC even specified the distance between lighting fixtures along litter and feed alleys.

By 1983, the content/extent of code detail was greatly reduced at the request of the Associate Committee, while the opportunity for reduced structural integrity was maintained. Unfortunately, these newer codes became less useful to farm building contractors as well as to municipal building authorities, i.e. inspectors. Conse-



The 1988 Canadian Farm Buildings Handbook was very comprehensive, informative and well illustrated.



The 1990s Canadian Farm Building Code took on a new look.

quently, contractors and inspectors started to apply the NBC to farm buildings.

### The Canadian Farm Buildings Handbook

As a result of the design detail cutbacks to the CFBC, the Research Branch of Agriculture Canada produced a very comprehensive book – *Canadian Farm Buildings Handbook* – in 1988. The book was a 155 pages (full letter sized), containing all the information needed to lay out most farm buildings, and also providing environmental control information for livestock, poultry, and produce.

Unfortunately, with staff cutbacks in the Research Branch of Agriculture Canada, this information has not been updated.

### Newer farm building codes

In 1990 and 1995, the Associate Committee adopted a new format for the CFBC. The code included part, but certainly not all, of the design criteria included in the previous handbook.

### Standing committee on farm buildings

Most of us who worked diligently on the CFBC with employer support have retired. Newer staff members with the freedom and desire to participate in code committees are not as readily available.

I was appointed and encouraged to serve on the committee when I started working for Ontario Hydro in 1969. R. Winfield is still included in the 1990 list of the Standing Committee on Farm Buildings. Many of the other named committee members are now deceased.

### Private enterprise must step up

Engineers from Agriculture and Agri-Food Canada, provincial departments of agriculture, and other associated groups are no longer available or encouraged to work on code committees.

Representations from farm builders associations and consulting engineering firms dedicated to designing and building farm buildings must step up to fill the void. I spoke recently with

## Visit your local STIHL Dealer for more information!

- Alliston • New Tec Recreation • 705-435-5206
- Ancaster • Brother's Equipment Rentals • 905-648-4489
- Barrie • Richview Lawn Equipment • 705-722-8400
- Belleville • Deerhaven Farm & Garden Ltd. • 613-962-5021
- Belmont • Dale Equipment Centre • 519-644-0670
- Brampton • Green Tractors • 905-846-2511
- Brantford • Brant Tractor Co. • 519-449-2500
- Brantford • Northgate Rent All • 519-759-8910
- Burlington • Mount Nemo Sales & Service • 905-335-3434
- Brockville • 1000 Islands Sales & Rentals Ltd. • 613-345-2753
- Campbellford • Wm. J. Thompson Farm Sup. Ltd • 705-653-3540
- Casselton • Lafleche Sales & Service • 613-764-5406
- Chatham • Chatham Outdoor Power • 519-354-3990
- Dresden • D.N.R. Outdoor Power • 519-683-6963
- Dundalk • Highland Supply • 1-800-265-9154
- Dundas • Marsh Brothers Tractor • 905-627-9281
- Dundas • Windmill Power Equipment • 905-628-3055
- Dunnville • Peter's Engine & Rental Centre • 905-774-7615
- Earlton • Green Tractors • 705-563-2134
- Elmira • Martin's Small Engines Ltd. • 519-669-2884
- Erin • Ed Stewart's Equipment Ltd. • 519-833-9616
- Exeter • Becker Power & Leisure • 519-235-2757
- Fergus • Universal Rental Services • 519-843-4570
- Fonthill • Pic's Motor Clinic • 905-892-3041
- Forwich • Boyd's Farm Supply • 519-335-3539
- Formosa • Lloyd Kuntz Sales & Service • 519-367-2913
- Glencoe • Fulline Farm & Garden Equip. Ltd. • 519-287-2840
- Goderich • Argyle Marine & Small Engines • 519-524-5361
- Godrey • L.D. Power Sports • 613-374-5604
- Halton • Green Tractors • 905-878-2121
- Hanover • Bruce Service Sales & Rentals • 519-364-6345
- Ingersoll • Ingersoll Rent-All • 519-485-4231
- Kemptville • Kemptville Building Centre • 613-258-6000
- Kitchener • Connect Equipment Corporation • 519-696-2568
- Kitchener • Hobden's Small Engines • 519-570-0162
- Kingston • Green Tractors • 613-541-3912
- Langton • Sinnaeve Equipment Centre • 519-875-4439
- Leamington • Economy Rental Centre • 519-322-2319
- London • Hyde Park Equipment Ltd. • 519-471-1400
- Lucknow • Robert's Farm Equipment • 519-529-7995
- Medina • Turf Care Products Canada • 519-349-2400
- Madoc • Madoc Farm Supply • 613-473-4227
- Meaford • Rice's Home Hardware • 519-538-3830
- Metcalfe • Allan Johnston Repair & Sales • 613-821-4263
- Milverton • Albrecht's Chainsaw Service • 519-595-2579
- Mitchell • Wighty's Repairs Inc. • 519-348-0404
- Mount Forest • Robert's Farm Equipment • 519-323-2755
- Neustadt • The Windmill • 519-799-5342
- Nobleton • Green Tractors • 905-859-0581
- North Bay • Arnstein Lawn & Garden • 705-472-8500
- Ormelee • Green Tractors • 705-799-2427
- Orangeville • Henry's Lawn & Garden Equip. • 519-941-0980
- Oshawa • Durham Kubota • 905-655-3291
- Peterborough • Heming Lawn & Garden Equip. • 705-742-6249
- Petrolia • Podolinsky Equipment Ltd. • 519-844-2360
- Plantagenet • Dan R. • 613-673-5129
- Port Perry • Green Tractors • 905-985-9701
- Prescott • Beach Home Hardware • 613-925-4286
- St. Catharines • St. Catharines New Holland • 905-688-5160
- Stayner • Stayner Rental Ltd. • 705-428-0131
- Strathroy • Tadgell's • 519-245-1103
- SW Ontario • Premier Equipment • [premierequipment.ca](http://premierequipment.ca)
- Tillsonburg • Chesterman Farm Equipment • 519-842-5977
- Tupperville • Lambton-Kent Farm • 519-627-3434
- Wallenstein • E&F Sauder Sales • 519-669-2192
- Waterdown • Weeks Hardware • 905-689-6618







## HOWITWORKS

Will Teron of Tacoma Engineers in Guelph. He is leading the charge to get the most recent (1995) Canadian Farm Building Code updated. He hopes that farm buildings will continue to be identified as a “distinct class of building” within the National Building Code.

If the updates do not happen, Ontario will probably follow the lead of Manitoba and drop the Canadian Farm Building Code. The result of this change would create a serious financial burden for Ontario producers planning to build new farm buildings, as these structures would be classed as commercial buildings at a higher cost.

Unfortunately, many new construction concepts that were developed by visionaries like J.E. (John) Turnbull will be lost. My newer shop, built in 1998, has a diaphragm ceiling that Turnbull developed when he worked at Ridgetown and later in Ottawa.

The diaphragm ceiling concept eliminated the need for much of the diagonal bracing that was unsightly



This newer diaphragm ceiling provides building stability, is low-cost and looks attractive. Note the self-tapping screws at 12-inch intervals along the steel ceiling sheet overlaps, and at the ceiling/wall junction.

# X6 SERIES

BUILT FOR AGRICULTURE

The new X6 Series tractors from McCormick are designed from the ground up to work hard on your farm. Ranging from 101 to 128 PTO horsepower, these machines are built to be powerful, versatile, and reliable. See your local McCormick dealer for information.

[www.McCormickNA.com](http://www.McCormickNA.com)

HALLVILLE - B&G LOUGHLIN TRACTORS  
613-989-3839

COLDWATER - BEARD'S FARM SUPPLY  
705-325-3133

SARSFIELD - BOURBONNAIS EQUIPMENT  
613-835-2623

BURGESSVILLE - G.J.'S FARM EQUIPMENT  
519-424-9374

BELLEVILLE - HAWLEY'S GARAGE  
613-969-5525

CHESLEY - J&H SALES AND SERVICE  
519-363-3510

ALMONTE - M&P FARM EQUIPMENT  
613-253-4957

LINDSAY - MARK MCCABE TRACTOR SALES  
705-879-8882

CHATHAM - PROFOTA'S FARM EQUIPMENT  
519-354-5100

DUNNVILLE - R.E. EGGER TRUCK & MACHINE  
905-774-1060

COMBER - YURKE SALES & SERVICE  
519-687-2209

ATHENS - FEENSTRA'S EQUIPMENT  
613-924-2805







Many unlined farm buildings, such as machinery storage or loose housing livestock buildings, needed significant diagonal bracing for wind loading transfer.

but previously necessary to ensure the structural integrity of stud frame buildings.

The diaphragm ceiling does, however, still require sound engineering principles to transfer wind loading from the sidewalls to the

stiffened end walls. We had to incorporate two vertical box beams into the wall of my shop that included a wide overhead door.

It is my hope that Teron and his team can bring about an updated version of the 1995 CFBC and get it

approved by the Associate Committee on the National Building Code in a timely manner before Ontario follows Manitoba's lead. **BF**

*Ralph Winfield is a retired professional engineer, farmer and technical writer.*



Get first class forage harvesting with the complete line of mowers, rakes, tedders and balers from CLAAS. Reliable technology, seamless operation and robust machinery makes for outstanding performance. Ask your dealer about the complete line of CLAAS balers and hay tools. Special financing offers available through CLAAS Financial Services.



**Connect Equipment**  
Chepstow 519-366-2325  
**DeBoer's Farm Equipment**  
Elora 519-846-5388  
**Elliott's Farm Equipment**  
Pembroke 613-638-5372  
Carleton Place 613-253-3344

**G.J.'s Farm Equipment**  
Burgessville 519-424-9374  
**Ken Brownlee & Sons Equipment**  
Earlton 705-563-2212

**Reis Equipment Centres**  
Carp 613-836-3033  
Winchester 613-774-2273  
St. Isidore 613-527-1501  
**Sunova Implement**  
Lakeside 519-349-2075

**CLAAS**



claas.com

©2017 CLAAS of America Inc. Subject to credit approval through CLAAS Financial Services. See participating dealer for details and great financing rates. 0% financing available through December 31, 2017. Product and specifications subject to change without notice.



# SHEPHERDING NEW LEADERS IN ONTARIO

**The Master Shepherd Education Program helps established lamb producers strengthen their operations.**

What began as a grassroots education program for Ontario lamb producers quickly transformed into leadership development for the future of Ontario's sheep industry. And the future is looking good, according to Jennifer MacTavish, Ontario Sheep Marketing Agency's (OSMA) general manager.

The 18-month Master Shepherd Education Program began as a classroom and industry tour training model for sheep farmers. This unique, hands-on program set out to provide professional development training and business planning, giving producers the tools and knowledge they need to expand their flocks, improve flock health and reduce production costs.

The program quickly spanned into solid friendships, an organic support network and the development of lasting leadership qualities.

"We're seeing a new injection of energy into Ontario's sheep industry," says MacTavish. "This (energy) is a direct result of the Master Shepherd Program. We've seen participants take on new leadership positions, diversify their sheep farms and expand their production. These farmers are shaping the future of our industry and leading by example."

The program was originally created to support lamb producers who had been farming for roughly three to five years and were interested in expanding their operations or seeking professional development opportunities. OSMA first ran a similar program in the 1990s and some of these original graduates became predominant leaders in the sheep industry.

The Master Shepherd Program ran through 2014 and 2015.

"Farmers who have been in business for three to five years don't have the same support system that new entrants have access to. That's why we targeted the program to (the



Ontario Sheep Marketing Agency photo

**"The Master Shepherd Program has created a lot of excitement in Ontario's sheep industry, and it's rewarding to see so many young farmers integrating the program into their own farm operations and becoming the next generation of industry leaders," says Jennifer MacTavish.**

former) group in an effort to provide the latest production training and business planning, and to connect them with farmers in similar situations," says MacTavish.

The program included industry tours and classroom modules on every aspect of lamb production, including biosecurity, health, handling, reproduction, nutrition and genetics. Participants were required to present a business plan and some have already implemented changes to their farms as a result of the program.

"The program dialed me in to all the potential issues and opportunities for improvements in our farm and overall business," says Sandi Brock, a Master Shepherd Program participant.

The program accommodated 22 participants per module, and 18 farmers completed the full program and business plan requirement.

Participants continue to be engaged in industry events and issues as a result of their new network and program completion, MacTavish says.

"The Master Shepherd Program has created a lot of excitement in

Ontario's sheep industry, and it's rewarding to see so many young farmers integrating the program into their own farm operations and becoming the next generation of industry leaders," she says.

Industry succession wasn't something MacTavish and her team considered when they began planning the program. But it's become clear that the program's influence will be reflected in participants staying in business, growing their farms and engaging more in the Ontario sheep industry overall.

Interested farmers are inquiring about the next program. Planning is underway for the next Master Shepherd Program that is expected to launch in 2018.

The Master Shepherd Program was awarded the Premier's Award for Agri-Food Innovation Excellence.

The project was funded in part through *Growing Forward 2 (GF2)*, a federal-provincial-territorial initiative. The Agricultural Adaptation Council assists in the delivery of *GF2* in Ontario. **BF**



## REDUCING MANURE ODOUR WITH PLANT MATTER

The pungent odour of manure may become more manageable with the help of biochar – a charcoal-like material that acts similarly to a sponge.

This carbon-rich material has the ability to absorb compounds and trap gases, including ammonia – one of the culprits behind manure’s strong odour, according to an August release from the **American Society of Agronomy**.

In fact, researchers at **Oregon State University** determined that biochar can reduce ammonia levels by 72 to 80

per cent.

The scientists found that biochar is more effective than a straw cover at reducing odours from liquid dairy manure.

**Brian Dougherty**, a scientist who worked on the project, says that biochar would be beneficial as a lagoon cover.



Biochar’s chemical charge allows it to attract and hold nutrients, such as nitrogen, phosphorus and potassium. This discovery means that the biochar could also be used as a high-value fertilizer after being used in lagoons.

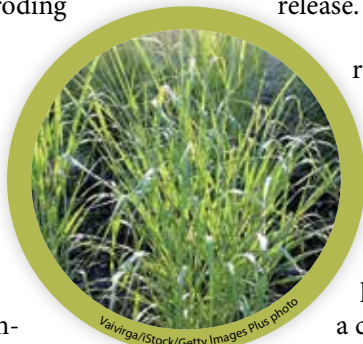
The researcher’s findings are published in the *Journal of Environmental Quality*. **BF**

## SWITCHING IT UP TO HELP THE ENVIRONMENT

Researchers at the **University of Illinois** may have found a way not only to conserve the eroding land of **China’s Loess Plateau** but also to improve the country’s air quality.

The answer? Switchgrass.

As the Chinese government looks to implement more sustainable and erosion-reducing cropping systems, American researchers are recom-



mending the use of switchgrass, according to a September university release.

“When we’re looking at revegetation, ideally we’re (looking to plant) something that can bring in revenue for farmers. Switchgrass produces a lot of biomass that can be harvested and burned as a cleaner source of energy,”

**D.K. Lee**, an agronomist at the University of Illinois, said in the

release.

Switchgrass, which would hold the soil in place, can also reduce air pollution if it is burned instead of coal for energy, Lee explained.

The stress-tolerant crop can produce large amounts of biomass, even if producers limit irrigation and fertilizer applications.

Researchers’ next step will be to select appropriate varieties of the crop to plant in different geographic areas, given the varying elevations, latitudes and moisture levels throughout the Plateau. **BF**

## LEAF WAX ACTS AS LIP BALM FOR PLANTS

Scientists are one step closer to developing drought-resistant crops.

Plants that protect themselves with a thicker layer of wax on their leaves may be more resistant to drought, according to **Sarah Feakins**, a scientist at the **University of South California**, and a team of researchers at **Texas A&M University**.

This wax coating, produced by all

plants, provides protection from insects and the elements, such as heat and low precipitation, Feakins said in an August release.

Winter wheat varieties that grew in Amarillo, a dry, high elevation area of Texas, had higher concentrations of wax on their leaves than those varieties



that grew in Winter Garden, a less-arid area of the state, researchers found.

The study can be found in the *Organic Geochemistry* journal. **BF**

## FARMING ALLIANCES: ANTS BENEFIT CROPS

While it has been known for years that ants are attracted to plants that secrete nectar, researchers at **Aarhus University** in Denmark have discovered that these ants give back to plants in return.

Urine and feces excreted by the ants onto the plant leaves



contain amino acids and urea, which are often commercially applied to plants as fertilizers, according to an August university release.

“This (finding) has great ecological importance,” **Joachim Offenberg**, senior scientist at Aarhus University, said in the release.

“The ants, which primarily feed on insects in the trees, digest the insects and hand the nutrients on a silver platter to the plants. You can almost say that the plants receive the nutrition intravenously exactly where they need it.”

In addition to providing nutrients, ants also remove some insects that can damage plants.

The study can be found in the *Journal of Ecology*. **BF**

CALL YOUR REP TODAY TO CONNECT WITH CLASS-A FARMS!



**Jeff McKee**  
1.888.248.4893 x917



**Samantha Renaud**  
1.866.519.4302 x257



**Jennifer Stewart**  
1.888.248.4893 x256



**Scott Farhood**  
1.866.519.4302 x277

"The phone is ringing off the hook today. Mostly people reading our ad in **Better Farming.**"



**TOTAL ON-FARM READERS: 90,410 ONTARIO ADULTS**

### Cattleman's Choice Feeder Wagon



- Easy clean out features
- Also available with skis

### "Dr Hoof" Trimming Crate



- Heavy duty automatic
- Exceptional leg control
- Bi-fold side opening

### Live Stock Shelters



### Matador Chute

With Auto Catch Headgate and Hydraulic Pullback. Call for Special Fall Pricing.



### Triple Crown Horse Feeder



For large square or round bales

### Double Bar Hay Feeder



Various sizes for round or square bales

**DELIVERY AVAILABLE 1-800-825-4961** Napanee Area Rep: **Bob Clancey (613) 378-2552**  
1769 Listowel Rd.R.R.#4 • Elmira, ON N3B 2Z3 • P:519-669-8884 • [weberfarmserv@hotmail.com](mailto:weberfarmserv@hotmail.com)



## I HELP FARMERS GET FARM LOANS



My name's Andre Ouimet. My grandpa was an apple farmer. One season he had a bad harvest. The bank he was loyal to for years turned its back on him. He lost the farm and moved our family to the city. To this day, my dad still chokes up as he tells the story of how the bank seized our ancestral home. I know how hard farmers work. I know how hard my grandpa worked. It was NOT his fault. He needed a temporary helping hand and no one was there to help him. Because of my family history, I wanted to do something to help farmers, so I became a licensed Mortgage Agent with **EXPERT MORTGAGE**. Now I can help farmers **ACROSS ONTARIO** better than the banks can because I don't follow **BANK RULES**. I specialize in agricultural lending. With over 200 private lenders to back me up, I **SET THE RULES!**

Even if you have **BAD CREDIT & NO PROOF OF INCOME**, I can still help you

**FARMOWNERS! Call NOW for FAST, EASY CASH!**

## I REPRESENT OVER 200 LENDERS

Many provide 1st, 2nd and 3rd mortgages **even with:**

- Horrible Credit
- Bankruptcy
- Unemployed
- Mortgage Arrears
- Property Tax Arrears
- Power of Sale
- Self-Employed
- Pension & Disability

CALL ANDRE NOW  
to put your mind  
at ease

Call me 7 DAYS A WEEK for  
a confidential consultation  
Toll Free Across Ontario  
1-888-982-7954  
Andre Ouimet - Mortgage Agent



## Does your bank offer payments **THIS LOW?**

Mortgage Amount	Monthly Payment	Bi-weekly Payments
\$200,000	\$922.95	\$425.98
\$250,000	\$1,153.69	\$532.48
\$300,000	\$1,384.43	\$638.97
\$350,000	\$1,615.16	\$745.47
\$400,000	\$1,845.90	\$851.96
\$500,000	\$2,307.38	\$1,064.95
\$600,000	\$2,768.85	\$1,277.94
\$700,000	\$3,230.33	\$1,490.93
\$800,000	\$3,691.80	\$1,703.92
\$1,000,000	\$4,614.75	\$2,129.90

Rates as  
of November,  
2017, OAC

Most banks underwrite loans using standard commercial lending guidelines that don't make any sense for farms. Coming from a farm family, I understand the farming community.

Talk to me if you'd like to...

- Buy more land or new equipment
- Repair or construct new buildings
- Refinance your existing debts
- Buy quota

I can offer qualified farmers...

- Up to 80% of FULL farm value
- Up to 30 year amortization
- Operating lines of credit

## CALL ME EVEN IF EVERYONE ELSE HAS SAID NO!

With over 200 lenders at my disposal I can get you a mortgage even with...

- Bad credit
- Power of sale
- Tax arrears
- Poor cashflow
- Mortgage arrears
- No financials

Send me a question online at [www.iHelpFarmers.ca](http://www.iHelpFarmers.ca) or email me at [andre.ouimet@expertmortgagebroker.com](mailto:andre.ouimet@expertmortgagebroker.com)



New 48' Vertical Tillage - Turbo-Max®



50' Heavy-Duty Min-Till Drill



# TILL IT — and — DRILL IT

- **Hydraulically-Adjustable Gang Angle from 0-6° On-the-Go** – Sizes and covers residue in the fall at 3° to 6° and prepares the ultimate spring seedbed at 0°.
- **Exclusive Maintenance-Free Bearings** – Reduce maintenance time and extend life of bearings.
- **Hydraulic Weight Transfer is Standard** – Creates an even and constant down-force across the entire width of the implement, assuring uniform penetration.
- **Rolling Spike and Reel Rear Attachment** – Tines split the Turbo Coulters to ensure thorough mixing of soil and residue and provide a smooth, uniform seedbed for optimum planter performance.

- **Active Hydraulic Down Pressure** – Keeps openers in uniform contact with soil in uneven conditions and varying soil types. Maximizes opener ground-hugging capabilities by independently applying down pressure at both ends of the subframe.
- **Extra-Large Main Seed Box** – Minimizes fill time to keep you in the field longer. Waterproof lids maximize seed protection.
- **Offset Opener Blades with Leading Edge** – Much more aggressive and similar to a single-blade style. Heavy weight ensures clean cutting and easy penetration.
- **Full-Length Seed Tubes with Trailing Flap** – Guide seed through the opener, placing it in the bottom of the trench to ensure consistent depth.

See your local Great Plains dealer for more info or visit: [www.GreatPlainsAg.com/AgSolutions](http://www.GreatPlainsAg.com/AgSolutions)

**DEBOER'S FARM EQUIPMENT**  
Elora 519-846-5388  
[www.deboersequipment.com](http://www.deboersequipment.com)

**MINTO AG**  
Harriston 519-338-5751  
[www.mintoag.ca](http://www.mintoag.ca)

**ONEIDA NEW HOLLAND**  
Caledonia 905-765-5011  
[www.oneidanewholland.com](http://www.oneidanewholland.com)

**STRATFORD FARM EQUIPMENT**  
London 519-659-0429  
New Hamburg 519-662-1780  
Stratford 519-393-6162  
Woodstock 519-423-6264  
[www.sfe-sales.com](http://www.sfe-sales.com)

**WEAGANT FARM**  
Winchester 613-774-2887  
[www.weagantfarm.com](http://www.weagantfarm.com)



© Great Plains Mfg., Inc. 1572L-GPM

# MetalCor

BUILDING SYSTEMS.

Your Metal Building Solution



For a quote or weekly specials,  
call 844-481-8881

### This Month's Metal Clear-Span Building Specials

- |              |               |
|--------------|---------------|
| 50'x80'x14'  | \$31,735 CAD  |
| 70'x140'x18' | \$76,658 CAD  |
| 80'x200'x24' | \$146,780 CAD |

**Includes:**

- (1) Framed Opening
  - (1) 3070 Standard Walk Door, Complete with hardware
  - 1:12 Roof Pitch
  - Coloured Walls and Trim
  - Galvanume Plus Roof
  - Fast delivery to job site!
- Call for details on freight cost
  - Foundation by others
  - Applicable Tax NOT included

#### Design

#### Manufacturing

#### Build

- |                        |                     |
|------------------------|---------------------|
| • Riding Arenas        | • Sheds             |
| • Agricultural Storage | • Warehouse         |
| • Dairy Barns          | • Maintenance Shops |
| • Cattle Barns         | • Self Storage      |
| • Hay Storage          |                     |

YOU DREAM IT. WE BUILD IT.



844-481-8881 | www.metalcorbuildings.com

### ADD-A-VALVE



- Adds one set of hydraulic remote outlets
- 15 GPM per outlet 3000 PSI
- Works on any tractor, open or closed center
- Easy to mount
- One handed operation
- Aluminum body construction
- Commercial grade sealed switch
- Optional lock on switch available for continuous operations
- Couplers not included

### QUICK HITCH



Changes your lift arm to a hook type.

- Installs over the end of each lift arm. Category 1 or 2
- No more back straining or pinching fingers to position implements
- No more removing and installing of hitches that companies call quick.
- Faster and safer hook ups and releasing of 3 point implements
- Works on all makes and models of tractors and implements
- Bought a new tractor? No problem. Just remove & install on new one.

## MOHAWK

EQUIPMENT LIMITED

Over 150 dealers in Ontario

519-753-3164 mohawkequipment@bellnet.ca  
www.mohawkequipment.ca

“Not today boys,  
it's a Diamond Bar.”



### Keep your livestock in check with a Quality Gate by Diamond Bar.

Open up to excellence with Diamond Bar Gates, Corrals and Feeders. Featuring welded unibody strength, durable powder coated finish and an innovative chain-latch, a Diamond Bar Gate easily installs on your existing post or hinges. Call us today to learn more.

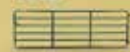
#### FEEDER PANELS



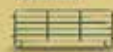
#### HAY FEEDERS



#### GATES



#### CORRALS



1.866.589.8147  
www.diamondbargates.com  
MADE IN CANADA

EECI13796-S01-01



**OFA**

Ontario  
Federation of  
Agriculture

OFA Members

**SAVE UP TO \$13,700**  
from General Motors PLUS Dealer Discounts.

**GMC**



CHEVROLET



**GMC**  
TRUCK MONTH



**OVER  
250 TRUCKS  
AVAILABLE**

**WE HAVE YOUR TRUCK!**



**GUS REVENBERG**

CHEVROLET • BUICK • GMC

10150 TECUMSEH RD. EAST  
WINDSOR, ONTARIO

1-800-291-1117

customer@gusrevenberg.com  
www.gusrevenberg.com





**AG & TURF POWER SERVICE**  
Grimsby - 905-945-4848

**ALLAN JOHNSTON REPAIR & SALES**  
Metcalfe - 613-821-4263

**ARMSTRONG MOTORS**  
St. Marys - 519-229-6233

**BLUE SKY MARINE**  
New Hamburg  
519-662-1461

**CARLETON PLACE MARINE**  
Carleton Place  
613-257-1772

**DOUG'S SMALL ENGINES**  
Castleton - 905-349-3027

**E&F SAUDER SALES & SERVICE**  
Wallenstein  
519-669-2192

**ED STEWARTS GARAGE & EQUIPMENT**  
Erin - 519-833-9616

**FARM POWER EQUIPMENT**  
Delhi - 519-582-3800

**G.C. HUDSON SUPPLY**  
Brockville 613-342-4578

**KINGDEM TRAILER & MOTOR SPORTS**  
Flamborough  
905-627-0100

**LEFEBVRE SMALL ENGINES**  
Alexandria 613-525-3151

**MCINTOSH MOTORS**  
Stirling 613-395-3757

**NORTH WELLINGTON CO-OP**  
Durham - 519-369-2415  
Hanover - 519-364-4777  
Harriston - 519-338-2331  
Mt. Forest - 519-323-1271

**PARTNER AG SERVICES**  
Tara - 519-934-2343

**RIVERSIDE POWER EQUIPMENT**  
Listowel - 519-418-3126

**PROFOTA'S FARM EQUIPMENT**  
Chatham - 519-354-5100

**SPRINGER HILL LOGGING SUPPLIES**  
Aylmer - 226-884-8300

**TWEED RECREATIONAL SPORT & LAWN**  
Tweed - 613-478-3138



**WE MAKE THE WORK AND THE SAVING EASY.**

You've got a job to do, and Husqvarna has the chainsaws to get it done. State-of-the-art ergonomics, rugged construction and innovative features, backed by industry-leading warranties, that's how we do it. And with so many ways to save this season, you can get it done for a lot less.

Ask us for complete details and qualifying models. Offer valid Sep. 15 - Dec. 30, 2017 only at participating local independent Husqvarna dealers.

HUSQVARNA 135  
FROM  
**\$271.99**  
MSRP \$319.99



**SAVE NOW**

X-Torq® engine • Air Injection™ • Quick-release air filter  
Ergonomic rear handle • Low Vib® • Inertia chain brake

HUSQVARNA 450  
FROM  
**\$437.99**  
MSRP \$514.99



**SAVE NOW**

X-Torq® engine • Air Injection™ • Quick-release air filter  
Three-piece crankshaft • Low Vib® • Smart Start®

HUSQVARNA 455  
Rancher  
FROM  
**\$509.99**  
MSRP \$599.99



**SAVE NOW**

X-Torq® engine • Air Injection™ • Side-mounted chain  
tensioner • Ergonomic grip • Low Vib® • Smart Start®

For more information visit your local  
Husqvarna dealer or [husqvarna.ca](http://husqvarna.ca)  
and connect with us online.



READY WHEN YOU ARE

**AGCO PARTS**  
**DIY**  
**MAINTENANCE**  
**SALE**

**Get your machine ready for harvest! Save on AGCO maintenance, wear and repair parts. Offer runs October 1 to December 31, 2017.**

**SAVE 8% ON PURCHASES \$3,000 TO \$5,999**

**SAVE 12% ON PURCHASES \$6,000 AND OVER**



Tires, flat Wags, Apparel and Toys do not qualify for this offer. Other product restrictions may apply. Ask your dealer for details. AGCO reserves the right to rescind or change this offer at any time.

AGCO, the AGCO logo, and FieldStart are trademarks of AGCO Corporation. © 2017 AGCO Corporation. All rights reserved.

**DAN R. EQUIPMENT**  
Winchester, Plantagenet, Gananoque

**HAWLEY'S GARAGE**  
Belleville

**HYDE BROTHERS FARM EQUIPMENT**  
Hensall

**MAPLE LANE FARM SERVICE**  
Mount Forest

**SHANTZ FARM EQUIPMENT**  
Alma

**W.J. LAMBERT & SONS**  
Beaverton

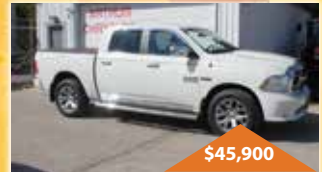


Your Agriculture Company



# PRICES FALLING

GREAT DEALS • LOW PRICES  
GET THEM BEFORE THEY'RE GONE



**\$45,900**  
2016 RAM 1500 LIMITED 4X4  
84,718 km, Eco Diesel  
#85386A



**\$47,900**  
2016 RAM 2500 SLT CREW 4X4  
6.7L Cummins, 66,172 km  
#470041A



**14,987 km** **\$35,900**  
2016 RAM 1500 SLT 4X4 CREW  
5.7L Hemi, V8, 14,987 km  
#85265



**\$43,500**  
2016 RAM 1500 LARAMIE CREW 4X4  
V6 Eco Diesel, 88,420 km  
#470564A



**\$34,500**  
2015 RAM 1500 SPORT 4X4  
5.7L Hemi, 50,963 km  
#470589A



**19,438 km** **\$36,900**  
2016 RAM 1500 SLT CREW 4X4  
5.7L Hemi, 19,438 km  
#85253



**\$34,900**  
2015 RAM 1500 BIGHORN 4X4  
Eco Diesel, 81,842 km  
#470586A



**\$54,900**  
2014 RAM 2500 LONGHORN CREW 4X4  
Cummins Diesel, 84,794 km  
#470370A



**\$25,900**  
2012 RAM 1500 LARAMIE QUAD  
Hemi, 124,128 km  
#85390A



**\$58,900**  
2015 RAM 2500 LONGHORN CREW 4X4  
CUMMINS, 108,311 KM  
#470620A



**\$23,995**  
2013 RAM 1500 SLT QUAD 4X4  
V6, 108,401 km  
#470671A



**\$42,900**  
2017 EP GRAND CHEROKEE LAREDO  
75th Anniversary Edition, 44,179 km  
#85298



**\$26,900**  
2015 DODGE CHALLENGER SXT  
V6, 31,010 km  
#85154



**\$34,900**  
2012 RAM 2500 SLT CREW 4X4  
Cummins, 165,825 km  
#470558A



**17,461 km** **\$26,900**  
2016 CHARGER SXT SEDAN  
3.6L, 17,461 km  
#85372



**\$19,995**  
2017 DODGE GRAND CARAVAN  
33,170 km, V6  
#85333



**\$27,800**  
2017 DODGE JOURNEY GT  
31,421 km  
#85395



**\$24,900**  
2016 GRAND CARAVAN SXT  
29,113 km  
#85304

IT'S WORTH THE DRIVE TO ARTHUR!



Admin included + HST OFA Program Specialists - Call for Info.



7976 Wellington Road 109, Arthur, ON

1-800-263-5382

www.arthurchrysler.com



## VICTORIAN SERIES ROOFING

www.victorianseries.com

### Tile Appearance Metal Roof



- Full length sheet, considerable less waste and less joints to leak.
- Most common residential colours with textured no glare finish in stock.

### Standing Seam Metal Roof



#### Enjoy benefits of a portable rollformer

- Considerable less waste, roll out what and when you need it.
- No loading, unloading, transport of finished product damage.
- No need to order extra product to be sure to have enough to do the job.
- Cross cut angle saw for various angles on hips and valleys etc.
- 16" Coverage with no external screws.
- We will roll it off for do it your self or professional contractors.
- No shipping and packaging and waste to dispose.

Matching trims and accessories made in house. Manufactured in central Ontario using Canadian coil stock. 40 year warranty on paint, Lifetime warranty on steel. Large network of contractors to cover Ontario. Feel free to call for competitive rates today.

#### LINWOOD INDUSTRIAL CORP



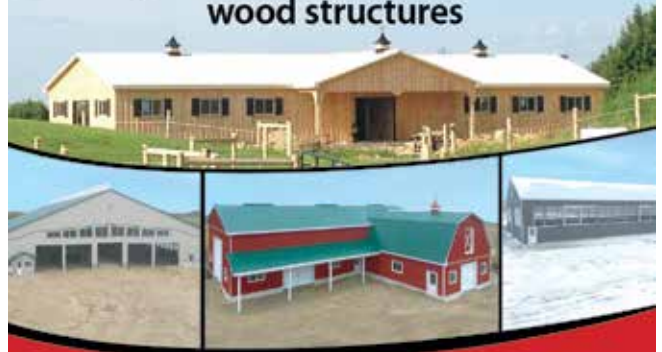
153070 Southgate Side Road 15,  
Proton Station ON  
1-519-923-9995  
orders@linwoodcorp.com



## ShanRidge construction

Formerly owned by MAYROSE

Agricultural and commercial  
wood structures



### Calvin Shantz

C: (226) 622 0042

Fax: (519) 356 2546

calvinshantz94@gmail.com

5680

Line 75, RR#1

Atwood, On

NOG 1B0

## Handles all crops with power and efficiency

### FERTILIZER & CROP TRANSPORT AUGER

- Sturdy removable plastic hopper fits under standard hopper wagons
- Hydraulic top drive
- 3-stage telescopic down spout — adds to your filling convenience
- Easy to tow



6 Models

CTA 6" x 21' | CTA 8" x 21'

CTA 6" x 26' | CTA 8" x 26'

CTA 6" x 31' | CTA 8" x 31'

### UTILITY AUGERS

Available in  
3 1/2, 4, 5, 6 and  
8 diameters



866-638-2104

**WEBERWAY Inc.**





# LS Tractor

Get more tractor for your money.  
LS Tractor - Excel in Your Field.



**New 6 year limited powertrain warranty available.  
See dealer for details.**

Winner of "2015 & 2016 EDA Dealer's Choice Award"  
presented to the highest ranked Tractor Manufacturer  
category in the annual Dealer-Manufacturer Relations Survey.



**XG3000 Series  
25, 35 & 40 HP**

## Dealers

[www.LSTractorusa.com](http://www.LSTractorusa.com)

**B & G Loughlin Tractors Inc.**  
Mountain 613-989-3839

**John's Equipment Sales & Service**  
Frankford 613-398-6522

**Bourbonnais Equipment Inc.**  
Sarsfield 613-835-2623

**March Road Motorsports**  
Mississippi Mills 613-256-6686

**Bromley Farm Supply**  
Douglas 613-649-2457

**Rusty's Power Washing**  
Courtright 519-332-9821

*Excel in Your Field™*



**VIEW  
BEAUTIFUL  
FALL  
COLOURS**



AND LEARN MORE ABOUT NATIVE CANADIAN MAPLES

PLEASE WATCH OUR VIDEO AT  
[WWW.MLFVIDEO.COM/BETTERFARMING](http://WWW.MLFVIDEO.COM/BETTERFARMING)



MAPLE LEAVES  
FOREVER





**NORMAND**  
HITCH YOUR TRACTOR TO HIGH PERFORMANCE


**HE+ SERIES**  
WITH SCRAPER BLADE

ECONOR PLUS    COMMERCIAL    FULL TYPE COMMERCIAL    INDUSTRIAL

Designed & built to offer a high-quality snowblower that proves to be robust & reliable, thus delivering extraordinary performance & durability.

[www.cienormand.com](http://www.cienormand.com)    [www.facebook.com/cienormand](https://www.facebook.com/cienormand)  
1 888 666-7626


**Diversify Your Farm Income**  
with a low maintenance orchard crop



**HAZELNUTS**

- trees produce for 60-100 years
- Ontario has ideal growing conditions
- mechanized harvest
- highly profitable crop
- increasing demand for sales within Ontario and for export

Hazelnuts are a profitable crop with low inputs and light management...call us today to learn more.



Ernie and Linda  
905-934-6887  
Nut.trees@grimonut.com  
[www.Grimonut.com](http://www.Grimonut.com)



**KIOTI**  
Kioti.com

**Experience the power of KIOTI TRACTOR**    **CK10SE Series**

**0%** UP TO **72** Months Financing\*    **OR**    UP TO **\$3300** Cash Back\* (T-L-B)

**Bromley Farm Supply Ltd**  
Douglas 613-649-2457

**Coleman Equipment Inc**  
New Dundee 519-696-2213

**Doug's Small Engines**  
Castleton 905-349-3027

**Feenstra Equipment Ltd**  
Athens 613-924-2805

**Kerby Independent Tractor**  
Sterling 613-395-2176

**Regional Tractor**  
Frelton 905-659-1094

\*Offer available October 1, 2017 - December 31, 2017. Cannot be combined with any other offer. Offer based on the purchase of eligible equipment defined in promotional program. Additional fees may apply. Pricing, payments and models may vary by dealer. Customers must take delivery prior to the end of the program period. Some customers will not qualify. Some restrictions apply. Financing subject to credit approval. Offer available on new equipment only. Prior purchases are not eligible. Offer valid only at participating Dealers. Offer subject to change without notice. See your dealer for details. Pricing in USD.









The Best Price, The Best Readership, The Best Value! Better Farming! • Call 519-848-1112 to place your \$1 per word ad!

**BARN DEMOLITION**

**S&J BARN DEMOLITION** - We pay the most cash to remove your old barn. Fully insured. WSIB. 1-800-291-BARN or 1-519-800-3681. canadianantiquelumber@outlook.com.

**BUILDING SUPPLIES**



**EASY LIFT DOORS LTD**  
We'll make any door an 'Easy Lift' for you!

- Prompt Service
- Large Volume of Stocked Inventory
- Well Equipped Service Trucks
- All Materials 3ft. to 40 ft. Wide
- Dock Seals/Dock Levelers
- High Quality Standards
- Attention to Detail
- On Site Consultations

515 James St. S., St. Marys  
**1-800-667-3845 • 519-349-2355**  
[www.easyliftdoors.com](http://www.easyliftdoors.com)

AGRICULTURAL • RESIDENTIAL  
INDUSTRIAL • COMMERCIAL

**POWERLIFT HYDRAULIC DOORS**  
The **SUPERIOR** quality hydraulic door ... since 1992

Safe, Strong, Zero Maintenance!  
We work with you *every step of the way* to build, deliver and install your new **Powerlift door!**



**POWERLIFT DOORS OF ONTARIO**  
**519-871-7368**  
[WWW.POWERLIFTDOORS.COM](http://WWW.POWERLIFTDOORS.COM)

**BUSINESS FOR SALE**

**BUSINESS FOR SALE** Value added process and growing business. Operating for 35 years. Age and health are reasons for sale. Turnkey operation which includes: growing, harvesting, processing, retail equipment, customer list, suppliers & training. Call Steve 519-428-7622.

**CONSTRUCTION**

**ASB INC. AG BUILDER** - Drivesheds, additions, renovations, dairy, equine, poultry. Dependable. Experienced. Serving Southwestern & Southcentral Ontario. Free Estimates. 519-424-3348. Cell 519-532-4760 john@asbinc.ca [www.asbinc.ca](http://www.asbinc.ca)

**WE POUR:** liquid manure tanks, bunker silos, foundations & pads. All are 100% Engineered. Serving Ontario since 1968. De Jong & Sons Ltd. 519-348-0523.

**DRAINAGE**



**KUEPFER Farm Drainage**

- \* 2013 Bron Plow
- \* Surveys
- \* Maps
- \* GPS
- \* Plastic
- \* Clay
- \* Cement

Since 1968 **519-595-4545**  
Newton, Ont.

**Schmidt's Farm Drainage**  
1990 Ltd. Harrison

Specializing in Farm Drainage, Backhoeing & Excavating, GPS includes: mapping grade control & surveying

**GPS Grade Control**  
Tel: 519-338-3484 • Cell: 519-323-6335

**DRAINAGE**

check with us for your **Farm Drainage needs**

- FAMILY OPERATED SINCE 1967
- QUALITY WORKMANSHIP
- COMPETITIVE PRICING
- BURY YOUR MONEY IT PAYS!
- WE DO DRAIN LEVELING



**AWF CONTRACTORS LTD.**  
AWF Contractors, Ltd., Elmira, ON  
Ph: 519-669-2256 or 519-577-9411

**MARQUARDT FARM DRAINAGE LTD.**  
Established 1968



We provide: • Free estimates • Competitive pricing  
• Personal Service • GPS mapping & guidance • Excavator & backhoe work • Drainage knowledge & expertise

49 years of experience in providing professionally designed & installed drainage systems

**Toll Free: 1-800-534-0393**  
Steve Cronsberry (Owner)  
Office: 519-343-3233 Home: 519-338-2373



**Martin DRAINAGE**

2 work crews

Drains levelled for your convenience!

- Your Total GPS Contractor
- Since 1921

**1-877-669-1440**

**Peter Neill Water Management Systems Inc.**



Specializing in Agricultural Drainage

**613 623 8802**  
Arnprior, Ontario  
[pneillwms@gozoom.ca](mailto:pneillwms@gozoom.ca)

**FLAG POLES & FLAGS**

**FLAGPOLES & FLAGS** - Ontario Flag & Pole specializing in "Titan" telescopic flagpoles & all your flag needs including custom flags. 1-888-596-0040. [www.ontarioflagandpole.com](http://www.ontarioflagandpole.com).

**DRAINAGE**

**WILLIAMS DRAINAGE INC.**

**MATT WILLIAMS**  
LISTOWEL  
**519-291-0767**  
**1-800-565-6478**  
[williamsdrainage@xplornet.com](mailto:williamsdrainage@xplornet.com)  
Quality Farm Drainage Systems

**D.L.G. FARM DRAINAGE (2007) LTD.**  
ELMVALE, ONTARIO

40 years of actual HANDS ON EXPERIENCE in tile drainage and erosion control

Get a head start on planting and increase your yields! Up to date drainage & excavation equipment. GPS & laser controlled, GPS mapping, fence row, rock & tree removal, demolition. Installation of pumping stations.

PLEASE CALL FOR A FREE QUOTE TODAY  
**GREG GRAHAM (OWNER/OPERATOR)**  
705-623-0211 (CALL OR TEXT) 705-322-9292  
Email: [dlgfarmdrain@hotmail.com](mailto:dlgfarmdrain@hotmail.com)

**EQUIPMENT**

**STAINLESS STEEL HAMMER MILL**



from \$2995

**Dwyer Manufacturing Ltd.**  
RR#1, #3209 Summerhill Road, Dublin Ont, Canada N0K 1E0  
Fax [519]527-2562 Ph [519] 527-2285

**MAY-BRIDGE HARROWS**



- 1/2" Hard Teeth
- Equine/Landscape
- 5 ft. width

**519-843-1959** Belwood, ON  
[www.MaybridgeHarrows.com](http://www.MaybridgeHarrows.com)

**HAY & STRAW**

**HAY & STRAW** - Top quality hay and also hay with low potassium. All prices quoted. Delivered. Call Paul at Deer-Run Farms 519-848-3442.



**EQUIPMENT****Automatic  
PTO Roller Mills**

Auger & blower discharge  
with capacities from 40 -120 tonnes/hr.  
» Buy • Sell • Rent • Service «

Midwest Farm Systems Inc. • 519-656-2352  
calvin@mwisilo.com • www.mwisilo.com

**End Greasing Frustration**

Grease goes in  
not on, the machine!



(603) 795-2298

Order Online

www.locknlube.com

**FOR SALE**

**USED PLYWOOD SHEETS** - \$17 sheet, 5'x5'x1-1/4", approx. 80 lbs. Each. Good condition. Ideal for strengthening barn floors. Loretto area. Call Bob 905-729-2420.

**HELP WANTED****JOIN OUR TEAM** Currently Hiring People

- Sales, Service, Hardware and Software Installers
- Technical Assistance, Data Processing and Management
- Office Administration Personnel
- Social Media Co-ordinator

Send Resume to: morley@gpsontario.ca  
Contact: Morley J. Wallace 613-489-2932

"Your Local Guidance Counsellors"

**Wanted**

Service manager  
Ontario and Western Canada

Dealers for Ontario  
Territories available

Contact Yves Daoust

Tel : 450 377-0956

e-mail : yves.daoust@deutzfahr.ca

**LIVESTOCK - BEEF**

**LIMOUSIN** - Double & homo polled, thick, well muscled, quiet breeding bulls available. Select now. Delivery included. Posthaven Limousin. John Post 519-766-7178. www.posthavenlimousin.com

**LIVESTOCK - POULTRY**

**PULLETS** - ready to lay, new and used equipment, etc. No order too small. Pullets Plus Inc., RR 4, Elmira. clarence@pulletpus.com 519-669-2225.

**MANURE STORAGE**

**CRONIN Poured Concrete Ltd** - Since 1976. Liquid manure tanks to 200'. Heights of 8'-14' (1-pour). All jobs engineered specifications/inspections - guaranteed. BEST firm quote in Ontario. Mark Cronin, 519-348-9062. Cell 519-274-5000.

**NURSERIES**

**NUT TREES** - English walnuts, sweet chestnuts, Hazelnuts, Heartnut, Edible nut pines (12 varieties), 15 other varieties. Valuable woods. 40+ yrs experience. Catalogue www.nuttrees.com. Rhora's Nut Farm & Nursery, 33083 Wills Rd., RR1, Wainfleet, L0S1V0 905-899-3508.

**BARE ROOT FRUIT TREES** for your orchard or backyard. Many varieties suitable for organic production and hard cider. Call 519-804-6060 or visit www.silvercreeknursery.ca and request your free catalogue today.

**PAINTING**

**TOWNSLEY BARN PAINTING** - All farm buildings & houses, seamless eaves troughing, liquid rubber coatings, waterproofing, metal, concrete, wood, foam, and bin flooring sealing. Serving Ontario since 1955. Call 519-859-0097 or 519-871-0300.

**SUPERIOR**  
  
**BARN PAINTING**

- ▶ Seamless Eavestroughing
- ▶ Roofs & Walls
- ▶ Elevator Legs
- ▶ Air Blasting
- ▶ Pressure Washing
- ▶ Fully Insured
- ▶ Free Estimates

888-253-3756 www.barnpainting.ca

**PARTS & ACCESSORIES**

**BYERS TRACTOR SUPPLY** - New & used tractor parts. All makes & models. 1-800-510-5505 or 613-448-3015. Open: Mon-Thur 8-5, Fri 8-4. Closed Sat/Sun.

**TEESWATER AGRO PARTS - USED PARTS** - Looking for a used part for your tractor or agricultural equipment? We have wrecked over 1000 units in many makes and models. @ 519-392-6111 or email: parts@wightman.ca Website: www.teeswateragroparts.ca

**FOR SALE AFFORDABLE NEW TRACTOR PARTS** & Engine Rebuilt kits for most makes & models. Also clutches, carburetors, crankshafts, manifolds, radiators, turbo chargers, starters, water pumps, rims, electronic ignitions & much more. Service & owners manuals & decal sets. Our 43rd anniversary. www.diamondfarmtractorparts.com 1-800-481-1353.

**PEST CONTROL**

**SGS**  
Pest Management

Specializing in on Farm Pest  
Management Serving  
Southwestern On,  
Golden Horseshoe, GTA

Email: sgscris@ciaccess.com  
519-692-4232  
www.sgspestmanagement.ca

**RATS! MORE RULE CHANGES!** - SGS Pest Management agricultural pest control specialists. Service & supplies. 1-800-736-9747 www.sgspestmanagement.ca

**SHOP HEATING**

**USED OIL FURNACES & BOILERS** Clean burn 'used oil' furnaces & boilers. Free heat for shops & garages. 9 models available. Call 1-800-824-4115 Web: www.deonsupply.com

**STORAGE TANKS**

**USED STORAGE TANKS:** - Steel & fiberglass. Vertical & horizontal, cone bottoms. 500 gallons to 25,000 gallons. De Jong & Sons Ltd. 519-348-0523.

**TIRES**

**TRACTOR TIRES** - 16.9-30, 18.4-34, 14.9-24, 13.6-28, 9.5-24 and many other sizes. Call or text Jimmy 416-804-1262 or please visit www.jeffyjeffsales.com

**TRACTORS**

**DEALERS WANTED** - India house imports is distributor for Solis brand of tractors made by ITL India. Solis tractors are available with cabs and front loaders from 24 hp, 35hp, 50 hp, 90 hp and 110 hp. Please call Jimmy Singh 416-804-1262 www.jeffyjeffsales.com

**TRAILERS**

**PJ**  
**TRAILERS**  
Built to Last

www.pjcanada.com  
1-866-822-9662

**TRAVEL**

**RURAL & CULTURAL TOURS 2018** - Australia, New Zealand, Costa Rica, Panama Canal, Galapagos, Peru, Brazil, Argentina, Chile, India, Tanzania, Zambia, Egypt, Jordan, Vietnam, Cambodia, Thailand, Portugal, Spain, Romania, Hungary, Danube River Cruise. For details: 1-800-661-4326 www.selectholidays.com email: emails@selectholidays.com

**AG-VENTURE TOURS** to Brazil (Jan) & Chile (Feb) Visit Ag and Tourist sites with other farmers. May be tax deductible. Ph 519 701 2391 Email: bobmargethomas@gmail.com (Payment to Peerless Travel TICO # 4274452)

**TREE TRANSPLANTING**

**TRANSPLANTING TREES** up to 10" trunk diameter w/10,000 lb. root ball. 44", 80", 90" & 100" tree spades. Transplant on your property or we have 100ac. of trees up to 25' tall for sale. OXFORD INSTA-SHADE, Burgessville. 1-800-387-0246. Jan Veldhuizen. Email: jan@oxfordinstashade.com www.oxfordinstashade.com

**WOOD HEATING**

**CENTRAL BOILER OUTDOOR FURNACES** Ask us about the up to \$550 "FALL REBATE". Call for more information. Wood Heat Solutions, Frankford & Bancroft locations 613-398-1611 www.chesher.ca

**NEWEST** European true WOOD CANDLE GASIFICATION BOILERS/Furnace Orlan/ liepsnele/absbiomass possible domestic hot water savings Orlan Canada 1-514-714-8980.

**WOODLOTS**

**DO YOU LIKE TREES?** hHow about the Native Maple Tree? Watch a video of Beautiful Fall Colours and learn more about Native Maples! Visit mlfvideo.com/bf

**ALL STANDING TIMBER** quality selective cutting, free quotes, guaranteed workmanship & payment before harvesting. Joe Lucan, Langton Timber Harvesting. 519-847-5710.

**STANDING TIMBER** hardwood and softwoods. Quality workmanship guaranteed. B. Kropf Forestry Service Ltd., Bruce Kropf, RR 1, Shakespeare, ON, NOB 2P0. 519-748-7422.

**SAWMILLS FROM ONLY \$4,397** MAKE MONEY & SAVE MONEY with your own bandmill - Cut Lumber any dimension. In stock ready to ship. FREE Info & DVD: www.NorwoodSawmills.com/432 1-800-566-6899 #432

**SAWMILLS** - Canadian made, quality SMG portable sawmills, many models to choose from, starting at \$4,895 including freight; available at Clark Code Repairs, 905 Sanderson Road; Oxford Mills, ON (613) 258-3829; stop in for a demo.



# 150 YEARS OF CANADIAN CHEESE

by RYAN PARANYI

One hot summer afternoon, 151 years ago, James McIntyre, a local furnituremaker and poet, delivered his latest verse to an Oxford County crowd:

*We'rt thou suspended from balloon,  
You'd cast a shade even at noon,  
Folks would think it was the moon  
About to fall and crush them soon.*

McIntyre and his audience had gathered in Ingersoll on Aug. 23, 1866 to witness the latest craze in the Canadian dairy industry: the mammoth cheese. As McIntyre delivered his humorous *Ode on the Mammoth Cheese Weighing over 7,000 Pounds*, the cheese in question – a wheel 3 ft. (0.9 m) thick and 7 ft. (2.1 m) in diameter – was loaded on a railcar to begin its mission.

The mammoth cheese made a splash at fairs and exhibitions in the United States and Canada, before making the voyage to Britain to proclaim the good news: the Canadian cheese industry was open for business. The cheese's tour was a great success and helped spark one of 19th-century Canada's most lucrative export trades.

The country's cheese industry was in its youth when Oxford County producers banded together to make the mammoth cheese. The first factory was built in Norwich in 1864 by Harvey Farrington, a former New York dairy farmer. By 1867, the year of Confederation, there were over 200 factories in Ontario alone.

Dairy producers never forgot the success of the mammoth cheese in promoting their industry. In preparation for the 1893 Chicago World's Fair, Lanark County factories produced the "Canadian Mite," a 22,000-pound (9,979 kg) cheese that was the largest the world had ever seen at the time. **BF**



biofack27/Stock/Getty Images Plus photo



Farmall 806

## IN THE SHOP WITH RACHEL THE EVER-POPULAR FARMALL 806

by RACHEL GINGELL



The Farmall 806 is a great buy – check this model out if you are looking for lots of power at a low price. The Farmall (row-crop) and International (standard-tread) versions of this tractor are some of the best tractors ever produced by International Harvester.

The 806 is a full-featured modern tractor. It boasts 94 horsepower (PTO) and is available in diesel, gasoline and LP-gas versions. The six-cylinder engine has lots of torque.

Over 40,000 of these tractors were produced between 1963 and 1967. The model was a very popular addition to the Farmall line when it was introduced and its popularity continues to this day.

If you are looking to purchase a Farmall 806 or an International 806, here are a few things to check.

First, check the shifting on the tractor. The transmission in this model is reliable. When the tractor reaches the end of its natural lifespan, however, the transmission will be the first area to show wear. Try shifting into all of the gears, paying special attention to the shift into and out of reverse.

Next, examine the hitch. The 806 came with an option of a three-point hitch or a two-point hitch. If you buy a tractor with a two-point hitch, you will either need to get an adapter (which works but is clunky) or you'll be limited in the equipment you can use. I'd look for a three-point hitch from the factory.

The final thing to check is the remotes. These tractors did not come standard with dual remotes – they were an option and not every farmer shelled out the extra cash to get them.

If you purchase an 806 without dual remotes, plan to spend around \$1,200 to add a second remote. Of course, if you aren't interested in running equipment that requires dual remotes, then you can ignore this piece of advice and get an even better deal.

The hydraulic system is particularly fabulous on this tractor and the engine is solid! Pick the options (hitch and remotes) that are right for you and you will be all set. **BF**

*Rachel Gingell works alongside her father, repairing and re-selling tractors.*



# Making the most of your OFA membership

**Better Farming** is your trusted source for insight, analysis, and investigative reporting on Ontario agriculture.



## RATES AT A GLANCE

One-year subscription for non-OFA members

**\$41**

Your OFA member subscription cost per year

**\$0**

**Better Farming**

Member of the **Farms.com** Group of Companies.





“To the consumer,  
**our story doesn't  
exist until we tell it.**”

Andrew Campbell, Advocate  
Dairy Producer


Be somebody who **does something**.  
Be an **advocate**.

Learn more at [AgMoreThanEver.ca](http://AgMoreThanEver.ca).



  
**Agriculture**  
*more than ever*



A woman with long brown hair, wearing a denim shirt, is sitting on the bed of a silver pickup truck. She is holding a green baseball cap with a white Pioneer logo. In the background, there is a large agricultural machine, possibly a combine harvester, under a clear blue sky. The scene is set in a rural, agricultural environment.

Here's to farmers  
*who don't believe  
in man's work.*



At DuPont Pioneer, we believe in growth. Growth of crops, people and the communities we're proud to be part of. Here's to all the men and women who never stop growing.

#neverstopgrowing