



# Virtual Farm Tour Video Conference

**TECHNOLOGY IN AGRICULTURE**

Lambton Federation of Agriculture  
February 11 2021, 10:30am

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# Virtual Farm Tour Video Conference



## PRESENTERS:

- Bradey Couwenberg of **Wanstead Farmers Co-operative**
- Chuck & Justin Baresich from **Haggerty Creek Ltd.**
- Bill Gordon & family of **Gordon's Roxburgh Farms Inc Dairy Farm**

**TECHNOLOGY IN AGRICULTURE: Precision farming and robotics**

Thursday, February 11<sup>th</sup> from 10:30 – 12pm via Zoom

# PRECISION FARMING

Can precision technology pay?

- Soil Profiling / improving soil
  - Organic matter
  - Compaction
- Decreased inputs & waste
- Managing variability
  - Fertilizer, also seed & sprays
  - Proper placement and timing
- Yield measurements
- Data and feedback



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# ROBOTICS & AUTOMATION

## Autonomous farm implements

- DOT (large unit, interchangeable implements)
  - Fertilizer / lime cart
  - Planting, spraying
  - Initial mapping using an ATV
- RoamIO (smaller unit on tracks)
  - Soil scanning and testing
  - Seeding clover/hay in early spring
  - Cover crops
- Data and feedback

# ROBOTICS & AUTOMATION

## Automatic/Voluntary milking systems

- Initial training period for the cows
- Electronic tags / transponders
- Free up labour
- Improve quality of life for farmer and animals
- Collect valuable data and information
  - Individual cow milk production
  - Milk quality
  - Cow activity

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# INTERNET ACCESS

Towns have broadband & great cell coverage

- **In the country:**
  - Cell service fades
  - Wired or wireless internet options are limited
- **Telematics produced by farm equipment & robotics**
  - Have to be stored & pushed to the 'cloud'
- Network controlled automation / 5G
- Security systems / video
- Online technical advice and repairs

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# INTERNET ACCESS

**“Consumers who want well-sourced, sustainable food and a story behind it have little understanding what any of this technology means, or does, or even exists.”**

**“But if consumers knew about it, even a little bit, they might start realizing the need for better rural internet.”**

**“Consumers who want to reduce the carbon intensity of their food should advocate for better rural internet.”**

<https://farmtario.com/news/comment-universal-internet-access-helps-make-food-more-sustainable/>

# QUESTIONS & CONTACT

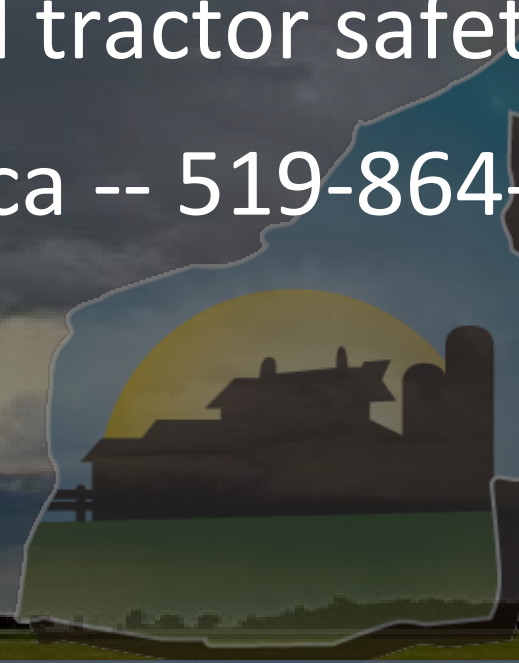
## SAVE THE DATE: Lambton Farm Safety

- **February 25:** LFSA Annual Meeting
- **March 31:** LFSA Special meeting on coping skills for your mental health, and tractor safety

info@lambtonfederation.ca -- 519-864-4224

Check out:

- [lambtonfederation.ca](http://lambtonfederation.ca)
- [locallylambton.com](http://locallylambton.com)



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