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Jan./Feb. 2021



A collaboration between OMAFRA and the University of Guelph

Alliance Innovations

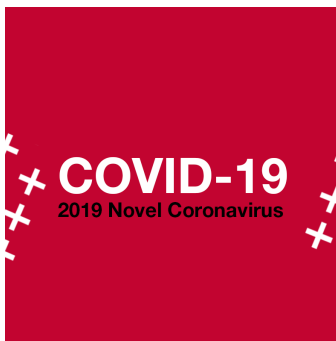
Stories of the Alliance people, places and programs generating impact in the agri-food sector in Ontario and around the world.

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In this issue:

- The Alliance launches *Growing Ontario Solutions*, our 2019-20 annual report summary
- KTT services and resources for researchers, U of G staff and students
- Blog series captures veterinary student externship experiences during COVID-19
- An HQP scholar's discovery that could help turn agricultural and food waste into fuel
- Upcoming events to hone your KTT skills, hear about research at the Ontario Beef Research Centre – Elora and stay current with rural research findings from U of G students
- News, media/publications and more

What's New?



COVID-19 updates from the Office of Research



KTT resources help get science "off the shelf"



Veterinary students blog their externship experiences

The Government of Ontario declared a provincial emergency and a stay-at-home order, effective Thursday, Jan. 14. Research is deemed essential business and is permitted (with limitations) under the stay-at-home order.

New resources on the website include case studies showcasing the impact of KTT in the agri-food sector and rural communities and a downloadable infographic-style reference of Best KTT Practices in Agri-Food and Rural Research.

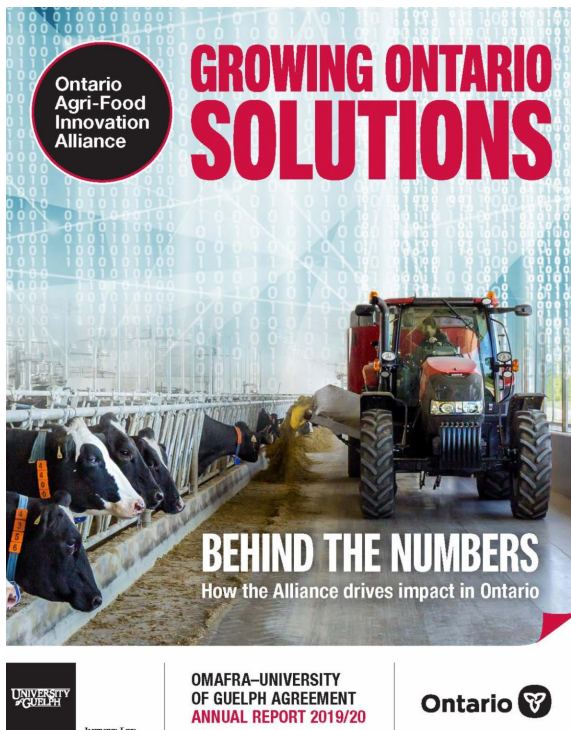
Go behind the scenes with veterinary students who completed placements. The externship is a component of the Veterinary Capacity Program, which is supported by the Alliance and places students in a mixed-animal veterinary practice that works with food animals.

[Read more >](#)

[Find KTT Resources >](#)

[Learn more >](#)

Driving Impact: The Ontario Agri-Food Innovation Alliance Annual Report



The Ontario Agri-Food Innovation Alliance creates impact by directing the efforts of our people, places and programs toward six key outcomes that support the agri-food and rural sectors—at home and around the world.

These outcomes are the focus of [*Growing Ontario Solutions*](#), the OMAFRA–University of Guelph Agreement annual report for 2019/20. *Growing Ontario Solutions* delves into the stories behind the numbers to demonstrate how the Alliance drives impact in Ontario.

Read about how Alliance-funded programs and research have:

- powered a long-term U of G–industry collaboration that has led to new products, processes and technologies in the craft brewing sector
- developed the skills of forward-thinking future agri-food leaders for Ontario
- contributed to a new on-farm pain management protocol to improve calf welfare

[Read Growing Ontario Solutions >](#)

Research and Program Highlights



HQP scholar plans to reduce greenhouse gas emissions by turning agricultural and food



waste into fuel

Omid Norouzi, a PhD candidate and Highly Qualified Personnel (HQP) scholar in the School of Engineering, aims to cut global greenhouse gas emissions from agricultural and food waste by converting that waste into fuel.

Waste generated from agriculture (e.g., from farm operations, manure, harvest waste) and food (e.g., non-edible parts of fruits) generates environmental pollutants, particularly greenhouse gas (GHG) emissions.

Norouzi says if his small-scale research at the Bio-Renewable Innovation Lab can be scaled up and implemented, it “could shrink our environmental footprint by reducing waste and create new revenue streams and new jobs by extracting value from the by-products we currently throw away.”

[Read the story >](#)

Publications

A selection of Alliance people, places and programs cited in popular and trade media

1. [Scholars join forces on dairy genomics](#) (Farms.com, Jan. 6, 2021)

This \$12-million international dairy genomics project is headed by Dr. Christine Baes, a professor in the Department of Animal Biosciences at U of G. University researchers will work with the dairy herd at the [Ontario Dairy Research Centre in Elora](#). Read more about the research that will take place there [starting in 2021](#).

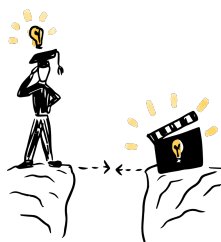
2. [Greenhouse vegetable growers working with Leamington community to mitigate nighttime light glow](#) (*Greenhouse Daily*, Dec. 12, 2020) and [North America's greenhouse capital passes light abatement by-law](#) (Hortidaily.com, Dec. 24, 2020)

These articles refer to a special initiatives project funded through the Alliance and led by Dr. Thomas Graham, a professor in the School of Environmental Sciences, and Dr. William Lubitz, a professor in the School of Engineering.

3. [Early Lessons from Ridgetown's Long-term Cover Crop Trial for Field Crops](#) (*Field Crop News*, Dec. 28)

Dr. Dave Hooker talks to OMAFRA specialist Jake Munroe about results from the long-term cover crop and tillage trials at the Ontario Crops Research Centres in Ridgetown and Elora.

Events



Skills for Research Impact workshop series continues Feb. 9

Join Lindsey Thomson from the Community Engaged Scholarship Institute for "Stakeholder Engagement" on Feb. 9 from 1-2:30 p.m. and reflect on how to engage your stakeholders through the research process to increase your impact.

[Learn more >](#)



Explore Research at the Ontario Beef Research Centre in Elora

Tune in on Tuesday Feb. 2, 10:30-11:30 a.m., for the third webinar in the "Exploring Research at Ontario's Agricultural Research Stations" series. This site facilitates the latest and most innovative beef-related research during all stages of production.

[Learn more >](#)



Register now: the 2021 Rural Research Symposium Is Feb. 11

Graduate students will present research at this free half-day event co-hosted by U of G's School of Environmental Design and Rural Development and OMAFRA. Researchers, policy analysts, and OMAFRA program staff are all welcome to attend.

[Learn more >](#)

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