

Congratulations!

Kees de Lange Scholarship announced

68 donors have already stepped forward over the last year to rapidly raise \$150,000 in honour of a colleague, mentor, and friend.

[Full Article](#)

Making News

Robotics highlighted at international livestock exhibition

The 2018 SPACE event - an annual animal husbandry show in France - featured innovations aimed at making pig farming easier, with a special emphasis on robotics. More than 1,400 exhibitors from 42 different countries demonstrated innovations in flooring, feeding equipment and an automatic injection device.

[Full Article](#)

Algonquin College adds two new ag programs

Starting in the fall of 2019, the Perth campus of Algonquin College will offer two agriculture-related programs - a one-year certificate in business fundamentals and a two-year diploma in the business of agriculture. The programs were created with the help of Kemptville College Alumni and offer new practical programs for eastern Ontario after the University of Guelph closed its Kemptville campus.

[Full Article](#)

LRIC Update

Calls for Letters of Intent for Pork Research Currently Open Until October 25th.

Details on open calls for research proposals are available online. Log into LRIC's research management system by [clicking here](#)



Research and Innovation Driving Livestock Sector Success

Research Snapshots

Feed: Specialty feed additives are a growing industry

As the demand for quality meat products increases, there's a similar rise in the demand for specialty feed additives, especially in the Asia-Pacific region. Additives improve feed palatability and consumption, helping to reduce feed wastage and labour requirements.

[Full Article](#)

Poultry: New flu variations discovered

China introduced a new vaccine for chickens in 2017, in response to the avian flu pandemic that began in 2013. The vaccine has been effective in chickens, but researchers have discovered two new genetic variations of H7N9 and H7N2 subtypes in unvaccinated ducks.

[Full Article](#)

Poultry: Unchanged barn boots disrupt biosecurity

Researchers at the University of Guelph and University of Montreal have found the two most common biosecurity breaches are on the bottom of barn boots. Changing boots in the wrong area or not changing boots at all causes pathogenic contamination - and the underside of boots are still heavily contaminated after 10 steps.

[Full Article](#)

Swine: Monitor sow data and behaviour for a better ROI

Making a positive impact on the bottom line in a sow

Any questions can be directed to info@livestockresearch.ca

Coming events

Oct 22 - 24, 2018: Pork 101, Iowa State University,

[Details Here](#)

Oct 23 - 27, 2018: IUFoST 19th World Congress of Food Science and Technology, Mumbai, India,

[Details Here](#)

Oct 25, 2018: PIC annual general meeting, Guelph, ON,

[Details Here](#)

Oct 25, 2018: Grazing your cover crops field day, Omeme, ON,

[Details Here](#)

Oct 27, 2018:

Grazing your cover crops field day, Neustadt, ON,

[Details Here](#)

Oct 30, 2018: Managing the gut for health and productivity, LRIC and Arrell Food Institute, Guelph, ON,

[Details Here](#)

Nov 1 - 2, 2018: Ontario Sheep Convention, Alliston, ON,

[Details Here](#)

Nov 2 - 11, 2018: Royal Agricultural Winter Fair, Toronto, ON,

[Details Here](#)

Nov 5, 2018: 45th Ontario Junior Swine Show (RAWF), Toronto, ON,

[Details Here](#)

Nov 8 - 11, 2018: Dairy Sheep Association of North America symposium, Kansas City, MO,

[Details Here](#)

Nov 13, 2018: Atlantic Poultry Conference, Wolfville, NS,

[Details Here](#)

Nov 13 - 15, 2018: Poultry Welfare Auditor Course (PAACO), Guelph, ON,

[Details Here](#)

Nov 13 - 16, 2018: Euro Tier 2018, Hannover, Germany,

[Details Here](#)

Nov 14 - 15, 2018: Canadian Forage and Grassland Association annual conference, Calgary, AB,

[Details Here](#)

Nov 21, 2018: PIC Eastern Regional Poultry

herd involves looking at management practices from the animal's point of view, according to a US swine specialist. He recommends finding out what makes sows content, comfortable and productive by monitoring their behaviour, interpreting production and feed data, and adjusting feed practices.

[Full Article](#)

Swine: Growth rate tied to pen space

A new study by the Prairie Swine Centre found that nursery pigs that each have 7.7 square feet of space perform optimally. Piglets with less space showed behavioural changes, especially when it came to eating. The study examined about 1,200 piglets over five weeks and also found that as space allowance was reduced, animals spent less time eating and grew at a slower pace.

[Full Article](#)

Swine: Evaluating probiotics for piglets

With increasing global pressure to reduce the use of preventative antibiotics in farm animals, Chinese researchers looked more closely at a probiotic *Bacillus* strain in piglets to promote gut health. The strain - originating in soil - shows promise for increasing intestinal epithelial cell barrier and immune function.

[Full Article](#)

Swine: New global disease reporting tool

The University of Minnesota's spontaneous reporting tool provides the US swine industry with a near real-time monitoring system to submit information on outbreaks and epidemics around the world. Reports generated from the disease monitoring system will help keep the US pork industry informed of potential risks for global swine diseases.

[Full Article](#)

Beef: RFI ratings and pasture performance

University of Alberta researchers looked at the ability of residual feed intake (RFI) to predict an animal's performance on pasture. Genetic markers for RFI have been identified that correlate well with actual RFI in feedlot pens. However, there isn't a practical way to test for feed efficiency in a pasture setting where feed intake can't be accurately measured.

[Full Article](#)

Beef: New genetics test gives faster, more specific diagnostic results

Canadian researchers have developed a prototype

Conference, St Isidore, ON,
[Details Here](#)

Nov 27, 2018: Big Bug Day, Stratford, ON,
[Details Here](#)

Nov 27, 2018: Healthy Calf Conference, Stratford, ON,
[Details Here](#)

Nov 29, 2018: Healthy Calf Conference, Maxville, ON,
[Details Here](#)

Dec 4, 2018: Group sow housing and management seminar, Stratford, ON,
[Details Here](#)

Dec 5, 2018: Poultry Industry Council Producer Updates, Belleville, ON,
[Details Here](#)

Dec 12, 2018: Poultry Industry Council Producer Updates, Brodhagen, ON,
[Details Here](#)

Jan 8 - 10, 2019: Banff Pork Seminar, Banff, AB,
[Details Here](#)

Feb 6, 2019: Poultry Industry Council Producer Updates, Jordan, ON,
[Details Here](#)

Feb 12 - 14, 2019: International Production and Processing Expo, Atlanta, GA,
[Details Here](#)

Feb 19 - 22, 2019: 17th International Exhibition of Equipment & Technologies for Livestock Farming, Dairy and Meat Production, Moscow, Russia,
[Details Here](#)

Feb 20, 2019: Poultry Industry Council Producer Updates, Mount Brydges, ON,
[Details Here](#)

Feb 20 - 21, 2019: Beef Farmers of Ontario annual general meeting, Toronto, ON,
[Details Here](#)

Feb 20 - 22, 2019: Alberta Beef Industry Conference, Red Deer, AB,
[Details Here](#)

Feb 26, 2019: Poultry Industry Council Producer Updates, Mount Forest, ON,
[Details Here](#)

Apr 3 - 4, 2019: Canadian Dairy XPO, Stratford, ON,
[Details Here](#)

Apr 4 - 5, 2019: National Poultry Show, London, ON,
[Details Here](#)

Jun 19 - 20, 2019: Ontario Pork Congress, Stratford, ON,

for a new genetic-based diagnostic test to identify disease-causing microbes. The test is highly specific, expected to cost less than other genetic tests and is able to detect specific microbes in six to eight hours - much faster than traditional culture tests that can take one to two weeks.

[Full Article](#)

Beef: Engineered for warmer climates

Brazil has engineered the first Angus calf to be heat tolerant - a move that could open up beef production options in warmer climates.

[Full Article](#)

Dairy: Separate heifers for higher production

Heifers have the highest genetic potential in a dairy herd, but they can struggle to meet that potential when competing with older cows. A Dutch field study used sensors to follow heifers as they entered the milking herd. They found heifers need their own space to perform best, and separating first-calf heifers increased feed intake, lying time and milk production.

[Full Article](#)

Whatever next?!? A look at the weird and wacky

Americans pay more for insects on their cheese

A unique, artisanal Australian cheese is gaining popularity in the US. The local goat cheese is rolled in crushed green ants and sells for more than \$250 US a kilo.

[Full Article](#)

Cleaning up with cow dung soap

According to the ancient Indian science of life - ayurveda - cow milk, urine and manure have healing properties. A Mumbai microbiologist and MBA graduate has a growing business selling his Cowpathy Care line of beauty products to customers in more than a dozen countries. His product line includes cow dung soaps, cow milk creams and an under-eye gel made from cow urine.

[Full Article](#)

[Details Here](#)

Oct 5 - 9, 2019: Anuga, Cologne, Germany,
[Details Here](#)

Oct 8 -11, 2019: Process Expo, Chicago, IL,
[Details Here](#)

Quick Links to Our Partners, Friends & Members

[Beef Farmers of Ontario](#)

[Ontario Pork](#)

[Poultry Industry Council](#)

[Agricultural Adaptation Council](#)

[Agricultural Research Institute of Ontario](#)

[Agriculture and Agri-Food Canada](#)

[OMAFRA](#)

[University of Guelph](#)

[Turkey Farmers of Ontario](#)

[Ontario Sheep Farmers](#)

[OBHECC](#)

[Chicken Farmers of Ontario](#)

[Egg Farmers of Ontario](#)

[Veal Farmers of Ontario](#)

[Ontario Goat](#)

[Alberta Innovates](#)

[Poultry Health Research Network](#)

[Canadian gFARAD](#)

[PigGen Canada](#)

[Alltech](#)

