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Welcome to ON Organic

Evan Elford, New Crop Development Specialist, OMAF & MRA

Spring is on its way! After a few previews of warmer temperatures and sunny days earlier this month it won't be long before the snow is gone and we have our hands in the soil.

This month we hope you enjoy the articles on free range poultry feeding and on-farm field trials to assist you with planning for the coming season.

Also, please note the survey by the Organic Federation of Canada (OFC) which is gathering information for a working group on the small scale certification decision making process.

As always we welcome your comments and any suggestions for topics in the newsletter.

Thank you once again to our contributing authors and to EFAO, OCO and others who pass along our newsletter on a regular basis.

Subscription to this newsletter is easy and free. For details go to the webpage:

<http://www.omafra.gov.on.ca/english/subscribe/index.html#organic>

The newsletter is also posted on the OMAF and MRA website at:

<http://www.omafra.gov.on.ca/english/crops/organic/news/news-organic.html>

The French version of these newsletters is available at:

<http://www.omafra.gov.on.ca/french/crops/organic/news/news-organic.html>

The OMAF and MRA Organic pages are linked from:

<http://www.ontario.ca/organic> and <http://www.ontario.ca/biologique>

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Free Choice Feeding for Free Range Meat Chickens

Ron Lackey, Feed Ingredients & By-products Feeding Specialist, OMAF and MRA

Introduction

The results of a recent research project support the idea of using a free-choice feeding system as an alternative way to provide feed for meat chickens raised in production systems that include access to the outdoors.

The most common type of feed used in commercial poultry production is a formulated complete feed usually presented to the birds in a pellet or a crumble form, or formulated, mixed and fed in a meal form. It is widely believed that this formulated complete feed will provide the birds with a better balance of the ingredients that provide the energy, protein, vitamins and minerals to optimize bird health and performance. In addition, formulated complete feeds make feeding poultry less complicated and easier to manage in automated feeding systems.

However, for poultry that are raised in a free range system where they have regular access to the outdoors, free choice feeding may offer some advantages and should be considered as a viable option. Free choice feeding is a method that offers birds separate feedstuffs (e.g. grains, protein concentrates, natural vitamin and mineral sources) from which they can self-select a diet suited to their needs which can vary in response to environmental and physiological conditions. It is reasonable to expect that free range raised birds will often encounter a greater range of environmental requirements than those raised in confinement. It has been suggested that chickens do not choose diets to maximize growth and efficiency; rather they self-formulate to enhance their well-being in their environment and for long-term survival benefits.

Animals are born with innate preferences for and aversions to particular feed ingredients. Poultry are having the ability to learn to select a diet that avoids deficiencies or toxic excesses. By providing essential feed ingredients in a free choice system, the birds are theoretically able to balance their own diets by selecting ingredients that supplement the nutrients obtained from their outside environment, such as forages or insects.

In addition to this ability to self-balance their own diets, poultry have a digestive system that is capable of processing whole grain. Because of this, it seems logical to reduce the energy and costs related to processing or pre-grinding by providing at least some of the diet as whole grain. However, it is important that oyster shell (grit) needs are provided for, in order to

enable the bird's gizzard to function effectively. Free choice feeding can reduce the need for formulation, grinding, mixing, pelleting and transportation potentially reducing the energy expenditure and costs associated with them.

Trial Outline

Researchers at the University of Arkansas set up feeding trial with 200 meat type chickens, (considered to be a slow growing hybrid) to determine the effect of free-choice feeding on the performance of free-range raised chickens. The one day old chicks were randomly assigned to pens of 20 birds each with 5 pens assigned to a treatment group where the feed was provided as a fully formulated crumble diet (FF) and the other 5 pens assigned to a treatment group where the feed was provided as a free-choice (FC) diet. During the brooding period (0-27 days) all birds were fed on the formulated diet which was a commercial no medicated starter/grower diet intended to be used for the entire life of the broiler. All birds were allowed outside every day after 5 weeks. From day 28-49 the FC group received both the fully formulated diet as well as the free choice diet. From day 49-83 the FC group received only free choice ingredients. The free choice feedstuffs offered were cracked corn, whole wheat, soybean meal, fishmeal, crushed oyster shell, kelp meal, bone meal, and trace mineral salt with all ingredients provided in separate feeders. From day 49-83 the FF group received the fully formulated commercial diet only. It was made up mainly of corn, soybean meal and fishmeal.

Results

The formulated diet contained 63.5% corn, 30.5% soybean meal and 2.5% fishmeal with an overall protein content of 20.75%, while the protein content of the free choice diet was lower and was calculated to be approximately 13.2%. By the end of the trial it was determined that the free choice diet was made up of 89% grain (37% whole wheat), 7% soybean meal and 1.2% fishmeal.

The final live chicken weights did not differ between treatments, however carcass yields were higher and as well, the breast yields were 7% higher for the formulated feed (FF) group. It was suggested that the higher protein levels and higher amino acids in the formulated feed likely contributed to the higher breast yields.

The NRC recommends an 18% protein diet for 6 to 8 week old broilers. While the FC group consumed a

Free Choice Feeding for Free Range Meat Chickens (Cont'd)

much lower protein level, it is possible that they may have consumed additional protein from forage plants and insects. Interestingly, researchers noted that there was less residual forage left in the paddocks of the FC fed birds and it is assumed that they consumed more forage than the FF fed group.

Feed intake was higher and feed efficiency was inferior for the FF fed group in the finisher period from day 49 to day 83. The feed conversion during that time period for the FF group was 5.6 to 1 and for the FC group the feed conversion was lower at 3.8 to 1.

In this study, where all feed ingredients were purchased, it showed that feed costs were less expensive for the free choice fed group (\$.07/kg) versus the formulated feed fed group (\$.08/kg).

Summary

The results of this study indicate that providing access to feed ingredients with a free choice feeding system can be a viable alternative option for feeding free range meat chickens. Formulated feeds may continue to be a more convenient way for many producers to

feed their chickens. However, in particular for producers who grow the majority their own feed, there may be an opportunity to reduce feed costs with a free choice feeding system by eliminating or at least minimizing the need for formulating, grinding, mixing, pelleting and transporting their feed ingredients. Free choice feeding also enables the feeding of whole grains which poultry are naturally able to process and make use of. Feeding a portion of a poultry diet as whole grain has been shown to enhance the development of the gastrointestinal tract which can improve the bird's ability to absorb nutrients from the various feed ingredients that are consumed as part of their diet.

References

Fanatic, A.C., V.B. Brewer, C.M. Owens-Henning, D.J. Donoghue, and A.M. Donoghue. 2013. Free-choice feeding of free-range meat chickens. *J.Appl.Poult.Res.*22:750-758
Hank, Y.L. and J.G. Dingle. 2002. Practical and economic advantages of choice feeding systems for laying poultry. *World's Poultry Science Journal*, Vol. 58, June 2002

Snake Oils – Waste of Money or Cure-All?

Sean Westerveld, Ginseng and Medicinal Herbs Specialist, OMAF and MRA

Organic growers, like all growers, are always looking for new products and practices to improve yield and quality and combat pests. Growers face numerous companies advertising a multitude of products ranging from fertilizers to pest control products to water treatment tools. There are also many blogs and websites promoting different practices and home-made products. How do you know what is safe to apply and will be effective on your crop? Do your research!

The term snake oil dates back to the 19th century when Chinese railroad workers brought snake oil, a traditional Chinese medicine, to North America. Eventually, shady salesmen sold imitation snake oils as a cure-all for human illnesses. The term "snake oil" is now used to refer to any product with exaggerated marketing but questionable quality or benefit. Once a product is proven effective, it is no longer a snake oil.

Before purchasing a product or implementing a new practice make sure it is legal to do so and is permitted by your certifying body. Any product with pest control

claims (including organic products) must be registered for use on each crop and pest by the Pest Management Regulatory Agency, a division of Health Canada. Each product must be proven effective before it can be registered. It is illegal to apply an unregistered pest control product. Almost all other products would be classified as fertilizers. Many fertilizers must be registered under the Fertilizers Act to be sold in Canada. There are exemptions for many common fertilizers like potash or organic materials like compost and manure. If a product is not registered, have the company provide proof that it falls under one of these exemptions.

Home-made products can also pose a health and safety risk to the grower or to the consumer, or could damage the crop. There are many natural chemicals that are highly toxic or allergenic. Furthermore, growers are responsible if any health or environmental issue occurred as a result of using a home-made product. Growers also need to confirm that it is legal to apply a home-made product by contacting the Pest

Snake Oils – Waste of Money or Cure-All? (Cont'd)

Management Regulatory Agency at <http://www.hc-sc.gc.ca/cps-spc/pest/index-eng.php>
or at 1-800-267-6315

For any commercial product, the best method for avoiding scams is to ask for research results proving that the product works. Research results should be from replicated, randomized and repeated experiments and should be statistically analysed. Without statistics you cannot have any confidence in the results. Experiments should also be done by a reputable research institution or government body. If the company stands by their product, they should be able to provide proof that it works. Do not trust a picture showing how well the product works unless it shows a side-by-side comparison of the product and a standard practice and is backed up by research results.

Make sure you know what is in a product before applying it. Some inert ingredients of products can be kept secret, but the active ingredients should be listed. Also, be wary of products that look too good to be true because they probably are.

If a product or practice looks promising but you are unsure about whether it is going to work, conduct a trial on your own farm. Make sure that it can be legally applied in the field before conducting any experiment. Trials do not have to be complicated. Always compare the new product to your existing practices by doing side-by-side comparisons on an area of your farm that has low natural variability.

Trials can range from simple strip trials (*Figure 1*) which can provide a good indication if the product or practice works to more complex statistical designs that are required for statistical analysis such as the randomized complete block design (*Figure 2*).

Keep in mind that it is not important to know whether the product works, but rather whether the product is more effective or cheaper than what you already do. Consequently, compare the product to your best management practices. Also be sure to test only one product or practice per treatment. If a treatment containing two products increases yield, you will not know which of the two products had the effect.



Figure 1. In a strip trial the new product is applied in strips through the field and the yield compared between the new product and the existing practice beside the strip. Areas of known variability such as the bare spots in the photo should be avoided. (Source: shutterstock.com)



Figure 2. A randomized complete block design involves multiple side-by-side comparisons with the treatments randomly placed within each comparison. This design allows the results to be statistically analysed and increases confidence in the results. (Source: shutterstock.com)

Snake oils can range from effective products that have not been properly tested to products that are completely ineffective or even harmful. By doing your research before applying any new product or practice you can take advantage of opportunities and avoid scams. As it turns out, scientific studies have now been done on snake oil proving some of its medicinal properties, so even snake oil is no longer a snake oil.

Organic Federation of Canada Working Group: Small Scale Certification

A working group to look at certification concerns and ideas around small scale and local organic farms and businesses has been set up by the Organic Federation of Canada as part of the review of the Canadian Organic Standards currently underway. The working group convener is long time organic farmer, Tony McQuail, who served as executive assistant to Ontario Agriculture Minister, Elmer Buchanan in the 1980's. The working group is made up of representatives of organic organizations from across Canada. The first effort of the working group is to gather information from small scale and local organic farms and businesses across the country.

A questionnaire has been prepared which is being distributed at various organic conferences and events this winter as well as being available on line by following a link at <http://organicfederation.ca/>. McQuail said they are gathering information about why people decide to certify or not and ideas for how to develop an organic certification process that is appropriate for smaller scale and local organic businesses. "Our current certification process is designed for maintaining the organic integrity of products in long supply chains which is appropriate for interprovincial and international trade. It appears that a number of local producers growing for farmers' markets, Community Supported Agriculture and other short supply chains feel the current system doesn't work for them." McQuail continued "Our goal is to come up with recommendations for a certification process that will support the local organic sector."

The working group will review the comments and suggestions received by April 11 and will use this information to draft recommendations which will be shared with the organic sector over the fall and winter of 2014-2015. Comments during this consultation period will form the final recommendations which will be presented to the Canadian General Standards Board as part of the Canadian Organic Standards review.

For more information contact:

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IPM Scout Training Workshops for 2014

Here are the updated IPM scout workshops available for those who will be scouting horticultural crops this year. To register contact: Agricultural Information Contact Centre at 1-877-424-1300

Workshop	Date & Time	Location	Workshop Leader	Materials needed	Follow-up field training
Introduction to IPM	Apr 30 8:30 am to 4:00pm	Boardroom 2 and 3 1 st Floor, 1 Stone Rd., Guelph	Margaret Appleby	Lunch on your own Handouts provided Have to pay for parking	
Tomatoes & Peppers	May 2 8:30 am to 1:00 pm.	Reek Building Room PS002 at Ridgetown Campus.	Janice LeBoeuf	Lunch on your own Handouts provided	
Lettuce, Celery, Onions, Carrots	May 9	Guelph or Woodstock	Marion Paibomesai	Handouts provided Lunch on your own Have to pay for parking (Guelph)	
Cole Crops	May 13	Guelph or Woodstock	Marion Paibomesai	Handouts provided Lunch on your own Have to pay for parking (Guelph)	
Tender Fruit & Grape	May 9 <i>Tender Fruit</i> : 9:00 am to noon <i>Grape</i> : 1:00 pm to 3:30pm	Vineland Rittenhouse Hall	Wendy McFadden - Smith	Handouts provided. Lunch on your own	
Apples	May 6 9:00 a.m. to 3:00 p.m. Following with orchard visit	Auditorium Simcoe OMAF and MRA Resource Centre	Kristy Grigg-McGuffin	Handouts provided If possible bring copy of Pub #360 & 310 Lunch on your own	
Strawberries and raspberry (blueberry training upon request)	May 14 9:00 am sharp to 3:00 p.m.	Auditorium OMAF and MRA 1283 Blueline Rd. Simcoe	Pam Fisher	Required: OMAFRA Publication #360 <i>Guide to Fruit Production</i> \$20 Lunch on your own.	Spotted winged drosophila ID training provided at workshop
Ginseng Scout Training	May 15 1 pm to 3pm	Boardroom OMAF and MRA 1283 Blueline Rd. Simcoe	Sean Westerveld Melanie Filotas		
Cucurbit Crops	May 20 9:30 to Noon	Ridgetown	Elaine Roddy	Lunch on your own	
Asparagus	TBA		Elaine Roddy		
Sweet corn, Peas and Beans	May 20 1:00 to 3:30 pm	Ridgetown	Elaine Roddy		
Potatoes	May 30 10:00 a.m. to 3:00 p.m.	Boardroom #3 1 Stone Rd., Guelph	Eugenia Banks	<i>Potato Scouting Manual Provided</i> <i>Recommended</i> : OMAFRA publication #823; <i>Potato Field Guide</i> Lunch on your own Have to pay for parking	Field training dates TBA

For more information please contact:

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Local Food Fund

The Local Food Fund is a three-year initiative with funding of up to \$10 million per year to support innovative local food projects that reduce barriers to regional economic development; result in sustainable regional economic development; and have a positive impact on the Ontario economy.

The Fund will support projects in four categories:

1. Regional and Local Food Networks
2. Enhanced Technologies, Capacity and/or Minor Capital
3. Research and Best Practices
4. Education, Marketing and Outreach

For more information and guidelines, please visit the OMAF and MRA website at: www.omafr.gov.on.ca/english/about/localfood.htm

Growing Forward 2 Funding Assistance Program for Producers, Organizations and Collaborations

Growing Forward 2 (GF2) is a federal-provincial-territorial program aimed at encouraging innovation, competitiveness and market development in Canada's agri-food and agri-products sector. In Ontario, farm, food and bioproduct businesses, collaborations and organizations can build their own plan and select opportunities to help grow their profits, expand their markets and manage risks.

Areas of Focus for GF2 Funding Assistance

Producers, organizations and collaborations can apply for funding assistance in six focus areas, with an emphasis on innovation:

- Environmental and Climate Change
- Assurance Systems (Food Safety, Traceability and Animal Welfare)
- Market Development
- Animal and Plant Health
- Labour Productivity Enhancement
- Business and Leadership Development

Capacity Building Funding Assistance

Cost-share is available to support eligible clients to acquire additional skills, to undertake in-depth assessments and audits, and to develop business plans.

Building capacity helps prepare clients to apply for further cost-share to implement a project. Applications for capacity building funding assistance will be accepted on a continuous basis.

Some examples of Capacity Building activities are:

- Cost-share fees for qualified consultants (e.g. Professional Engineer) to conduct an assessment.
- Produce a written report and plan that provides recommendations for implementing improved irrigation and fertigation management BMP's (e.g. field and greenhouse operations).
- Energy Use Assessment for existing farm buildings that will reduce the dependency on power and fossil fuels and reduce greenhouse gas emissions.
- Prevention plan for Wildlife Damage - help reduce crop, livestock or property damage caused by managed wildlife species.
- Market Assessment, Marketing Plan, Communication Material Design.
- Integrated Pest Management Planning.
- Cost of Production Assessment.
- Succession Plans, Expansion Plans, Human Resources Plan, Business Plan.

Implementation Funding Assistance

Clients may be eligible for cost-share for projects that help to achieve their business goals. Applications for project implementation will be reviewed and assessed based on merit. Having a detailed business and/or work plan, budget and applicable permits and approvals in place prior to submitting an application will increase your success in securing cost-share.

Individual farm businesses may be eligible to receive up to \$350,000 over the five-year program (April 1, 2013 to March 31, 2018)

Producers are strongly encouraged to attend a free capacity building workshop such as Canada-Ontario Environmental Farm Plan (New 4th edition) and Growing Your Farm Profits.

Please visit the GF2 website at: www.ontario.ca/growingforward2

OMAF and MRA have a full listing of programs and services for Ontario farmers on the website and in the Factsheet 'Programs and Services for Ontario Farmers'. For more information please visit: www.omafr.gov.on.ca/english/busdev/facts/progserv.htm or call the OMAF and MRA Agricultural Information Contact Centre to request a hard copy of the Factsheet at 1.877.424.1300.

Composting Workshop for Small to Medium Farms - Presented by EFAO

Date: Saturday April 12, 10:00 am - 4:00 pm

Location: Orchard Hill Farm St. Thomas, Ontario

Member Cost: \$50.00 **Non-Member Cost:** \$70.00

A central piece of ecological farming is building, and maintaining long-term soil fertility. Understanding how to produce high quality compost is part of the solution. This composting workshop is designed to provide an in depth look at all aspects of compost: how it benefits us as ecological farmers, how to produce it in large and smaller batches, and the relationship to the soil and crops health.

The workshop will cover:

- The composting process - stages of composting, composting methods etc.
- Locating and designing an agricultural composting facility – environmental considerations, space needed etc.
- Building a compost pile – materials, recipes etc.
- Equipment needed, from hand tools to agricultural equipment for field application.
- Process monitoring and quality assessment.
- Case studies, group exercises, and on-farm demonstration.

For more information and to register please visit:

<https://efao.ca/upcoming-events/>

1. Essential Tools & Techniques for the Small Scale Vegetable Grower

Date: Saturday, April 26, 10am -12pm

Locations: 10 am-12 pm - Holiday Inn Express Hotel Suites, 10 Nevets Rd, Brampton

Moving at 1:00 pm -3:30pm to the McVean Farm

Cost: \$95.00 (+HST) per person or \$171 (+HST) for two

This workshop will give you in-depth instruction with Jean-Martin Fortier of [Les Jardins de la Grelinette](#), his proven methods and techniques for farming smarter and better. The session will combine indoor presentation with outdoor demonstrations and lots of Q&A time. [The Market Gardener can be purchased at the FarmStart Store!](#)□

Topics will include:

- no-till vegetable farming, precision seeders

- how to operate a walk behind BCS tractor and rototiller
- weed control technology
- mulching & use of ground covers
- labor saving tools & devices

To register please visit the website at: <https://farmstart.ticketbud.com/handtools>

2. Weed Management for Small to Mid-Scale Organic Vegetable Production

Date: May 3, 1-5pm

Location: Volunteer Hamilton, 267 King St E, Hamilton, Ontario

Cost: \$55.00/person, \$110.00/farm team

Knowing how to control weeds is one of the most important skills needed for successful organic vegetable production. Organic vegetable farming requires a diverse and very proactive approach to weed control. You can avoid the constant scramble to save crops from weeds by understanding important concepts and techniques in weed control and by having a plan in place before you put the crop in the ground. Join co-owner and manager of [Cedar Down Farm](#) CSA Jeff Boesch for discussion of the terms, concepts and techniques for weed control in organic vegetable farming. Topics that will be covered include:

- stale seed bed preparation,
- cover cropping and crop rotation for weed control,
- a large selection of hand and tractor powered weed management tools,
- timing; weeding schedules in different crops,
- mulching,
- soil conditions and fertility in weed control,
- composting for weed control,
- weed identification,
- and much more....

To register please visit the website at: <https://ticketbud.com/events/7f027d38-9a53-11e3-8922-e7407f42dcbe>

3. Buying A Farm: Planning Ahead for Farm Ownership

Date: Saturday June 7, 1pm - 5pm

Instructor: Tarrah Young□

Location: Guelph Chamber of Commerce

Cost: \$65 (+HST) per person or \$110 (+HST) for two

Learning Opportunities (Cont'd)

Do you have the dream of buying a farm? If so, the earlier you begin to research and plan for it, the better! How should you begin your search? How do you find financing? How do you make an offer? These questions and lots more will be the focus of this workshop, geared towards first time buyers.

Topics to be covered will include:

- Setting priorities on what to look for in a farm, and where to look
- Financing: the process of getting approved for a mortgage, the role of a mortgage broker and the difference between a residential and agricultural mortgage
- The process of making an offer and learning the lingo (ex: signbacks, amendments, chattels)
- Who you need on your team (ex: mortgage broker, real estate agent, lawyer, home inspector)

This workshop will help demystify the process of purchasing a farm, and help you decide if this is the right choice for you.

Registration: Opens March 2014

4. The Dirt on Soil

Date: June 21, 2014 12:30 -4:30 pm

Location: Ebenezer Chapel & McVean Farm, Brampton

Instructor: Ian McCormick

Cost: \$55 (+HST) per person or \$110 (+HST) for two

The root of all life, including human life, is in the soil. In

this workshop, learn the basics of soil science in an accessible and hands-on way. Rather than relying on inputs for fertility, get ready for ideas on how to optimize your soil's health, and ultimately the health of your crops, by using the biological community to unleash the tremendous potential in your soil! □ Come prepared to spend time outdoors with boots, warm clothing and rain gear.

Registration: Opens March 2014

C.R.A.F.T. (Collaborative Regional Alliance for Farmer Training in Ontario) Internship Opportunities

Fulltime Seasonal and Other Organic Farming Internships in Ontario.

If you're ready for a full, hands-on experience that will immerse you in ecological farming then you've come to the right place. CRAFT Ontario is your gateway to a farming internship experience that will change your life. Whether your dream is to have your own organic farm one day or just want to learn some food growing and hands-on skills that can be applied in other careers and lifestyles, a farming internship is a powerful experience that will equip you with the tools and insights to make a real difference in the world. Each CRAFT farm operates independently and offers its own internship with individualized agreements around such things as living and eating arrangements, stipends, work hours, and training methods.

For more information please visit the website at www.craftontario.ca

Conferences, Meetings and Tours

EFAO Kitchen Table Meetings

There are numerous Kitchen Table Meetings taking place through the winter. Please visit the EFAO website **for more information** at www.efao.ca

1. Windsor-Essex Chatham-Kent- Farmer Meet & Greet

Date: Saturday March 22, 2pm – 5pm

Location: 20600 Morris Rd, Tilbury, Ontario

Hosts: Mike, Deb, and Rashel Tremblay of **Locally Germinated**.

2. Bokashi Composting with micro heroes!

Saturday March 22, 2014 1-3 pm

Location: 5996 County Rd 21, Utopia, ON L0M 1T0

Host: Vera Del Vecchio

3. Rural Homesteading KTM

Sunday, March 23 2014 2pm- 5pm

Location: 316337 Highway 6, Chatsworth, ON N0H 1G0

Host: Rob Campbell, Better Together Farm Attention

Links to ON Organic Information & Staff Contacts

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Mario Mongeon	Livestock Specialist (Bil)	613-679-0937
Albert Dam	Poultry Specialist	519-824-4120 x54326
Brian Lang	Dairy Cattle Prod Systems	519-537-8786
Doug Richards	Swine Grower-Finisher Specialist	519-482-3133
Ron Lackey	Feed Ingredient & By-product Specialist	519-271-7407
Vacant	Sheep & Goat Specialist	613-258-8299
Brian Tapscott	Alternative Livestock Specialist	519-846-3400
Chisptoph Wand	Beef Sheep & Goat Nutrition	519-824-4120 x53670
Brian Pogue	Beef Cattle Program Lead	519-826-5106
Nancy Noecker	Beef Cow/Calf Specialist	613-258-8476
Delma Kennedy	Sheep Specialist	519-846-3398
Steve Naylor	Aquaculture Specialist	519-826-3172
Tom Hamilton	Beef Cattle Production	705-647-2087
Jack Kyle	Grazier Specialist	705-324-5855

Links to Organic Agriculture Information

Organic Council of Ontario (OCO)

<http://www.organiccouncil.ca>

Canadian Organic Growers (COG)

<http://www.cog.ca>

OMAF and MRA Organic Agriculture

<http://www.ontario.ca/organic>

Ecological Farmers of Ontario (EFO)

<http://www.efao.ca>

Organic Agricultural Centre of Canada

<http://www.oacc.info>

FarmStart www.farmstart.ca

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