



Ag for Life
PRESENTS

**AGRICULTURE
EDUCATION
TEACHERS'
SYMPOSIUM**

NOVEMBER 24, 2017

**Cochrane RancheHouse
101 RancheHouse Rd., Cochrane, AB**

Schedule of Events

8:30am - 8:45am	Registration and Continental Breakfast
8:45am - 9:00am	Introduction and Ag-in-AB Overview
9:00am - 10:00am	Keynote Address - Dr. Frank Robinson, University of Alberta
10:00am - 11:00am	Journey 2050 and Seed Survivor
11:00am - 11:30am	Networking and Trade Show
11:30am - 1:15pm	Lunch, Panel Discussion and Prizes
1:15pm - 2:15pm	Breakout Session #1
2:15pm - 2:30pm	Break
2:30pm - 3:30pm	Breakout Session # 2
3:30pm - 4:00pm	Closing Comments

Breakout Session 1

1:15pm - 2:15pm

The Role and History of Genetically Modified Organisms in a Growing World

Dow AgroSciences

The Real Dirt on Farming

Nichole Neubauer

The Ins and Outs of Soil Health

Mike Dorian

Bees and Agriculture

Bees Matter

Cows, Fish, Cattledogs, and Kids - Gameshow!

Cows and Fish

Sustainable Cattle Ranching **CANCELLED**

Kaley Segboer

Breakout Session 2

2:30pm - 3:30pm

The Role and Safety of Pesticides in Agriculture

Dow AgroSciences

Young Farm Workers Safety Training Program and the Green Certificate **CANCELLED**

Sarah Linde and Pamela Church

Careers in Agriculture

UFA

Education and Agriculture ~ Growing Together

Nichole Neubauer

An A-Z for Vegetable Container Gardening

Calgary Horticultural Society

Session Descriptions

Breakout Session One 1:15pm - 2:15pm

The Role and History of Genetically Modified Organisms in a Growing World - Dow AgroSciences

Approximately 10,000 years ago humans started domesticating plants, and with that intentionally altering plants' genetics. To date, virtually all crops available have undergone genetic modifications influenced by humans. This presentation will review the history of plant breeding, from selective breeding to genetic editing, with the intention to demystify modern plant breeding techniques, including genetic engineering (GMOs).

The Real Dirt on Farming - Nichole Neubauer

Have you ever wondered how your fruit was grown, pondered on the origins of that loaf of bread, or mused about the environmental footprint of meat production? If so, then check out this session that will help to explain the intricacies of Canadian food and farming.

The Ins and Outs of Soil Health - Mike Dorian

The soil is very much alive and just because we walk on it every day doesn't mean we can't give it more respect. Soil doesn't like to be treated like dirt. What makes good soil? Let's talk about organic matter, water penetration, aerobic versus anaerobic, oh and all the little critters that call it home. This will give us a better understanding of soil's role to grow plants and feed most life on the planet. This session will include hands-on activities.

Bees and Agriculture - Bees Matter

Bees Matter is a partnership of agricultural organizations with a vested interest in honey bee health. The mission of the group is to provide a platform for conversation, dialogue and information sharing regarding modern agriculture and the importance of ensuring a healthy environment for honey bees, which play an important role in Canadian food production and agriculture. This session will cover honey bee health in Canada, share materials available for grade two and four science curriculum and share additional information available at www.beesmatter.ca

Cows, Fish, Cattle Dogs, and Kids - Gameshow! - Cows and Fish

How are Cows and Fish related? In this session you'll learn about riparian and wetland health, particularly as it relates to cattle ranching, as well as some fun activities you can do in the classroom with your elementary and junior-high students.

Sustainable Cattle Ranching - Kaley Segboer **CANCELLED**

In this interactive session, teachers will have a chance to sit down with an experienced cattle rancher. Participants will learn about the different ways that beef cattle are raised and cared for, from the cow/calf operation to feedlots to grass-finished cattle. Participants will also explore the impact that the Alberta cattle industry has on our environment, from greenhouse gases to water use, and will learn about some of the innovative steps ranchers are taking to lessen the impact.

Breakout Session Two 2:30pm - 3:30pm

The Role and Safety of Pesticides in Agriculture - Dow AgroSciences

Crop protection products have become a necessary tool in conventional and organic agricultural practices to ensure a safe and abundant food supply in our growing world. We will present an overview on pesticides, including their intended uses and what happens to them after they are applied to the plants, along with how Health Canada ensures that they are safe for humans, and the environment. We will also discuss how the use of crop protection products helps to reduce the environmental impact of food production.

Young Farm Workers Safety Training Program and the Green Certificate - Sarah Linde and Pamela Church **CANCELLED**

This session will allow teachers to explore and discuss farm safety issues and education in Alberta, and will introduce Ag for Life's Young Farm Workers' Safety Training program, which we offer to rural junior high and high schools, as well as the Green Certificate program in Alberta. As a bonus, participants will get a chance to explore our brand new Farm Safety Mobile Unit, which will be available to schools within the next school year.

Careers in Agriculture - UFA

Did you know that 1 in 8 jobs in Canada are in the agriculture and agri-food industries? And yet only 2% of those jobs are actual farmers and ranchers. In this session, led by UFA, you'll have a chance to explore what other careers exist in the agriculture and agri-food industries. This session will be mainly geared towards CALM, CTS, and CTF teachers and counselors, however there will be something of interest for teachers of all subjects and grades.

Education and Agriculture ~ Growing Together - Nichole Neubauer

This session will provide information on how Neubauer Farms has created educational benefit for visiting students. Specific examples and activities developed by teachers will be provided that could be adapted to be used on other farms or in the classroom. We will encourage teachers to make connections with farms in their area and suggestions as to how they could work in collaboration to develop unique, impactful education opportunities for their students.

An A-Z for Vegetable Container Gardening - Calgary Horticultural Society

FOR SOME gardeners, growing vegetables in containers is a necessity. Urban gardening makes use of rooftops, balconies, alleyways, sidewalks, or whatever little space the gardener has available. Property with difficult soil conditions (sand, stone, clay, permafrost...) makes growing vegetables especially challenging. If you are new to growing vegetables in containers, let us share some tips to help you succeed. *Participants will leave with a container large enough to plant potatoes in the spring for their classrooms. Bring your questions and get ready to garden in the K-12 classroom!*

Conference Details

HOW TO REGISTER:

Register online through the Calgary Regional Consortium
www.crcpd.ab.ca

WHERE TO GO:

Cochrane RancheHouse
101 RancheHouse Rd.
Cochrane, Alberta

WHO TO CONTACT:

Questions? Please contact the CRC Office
register@crcpd.ab.ca
(403) 291-0967

CONFERENCE COST:

\$100/person (fee includes continental breakfast & lunch)

PARKING:

Ample free parking is available onsite.

WEBSITE:

Agriculture for Life
www.agricultureforlife.ca

MAP OF CONFERENCE CENTRE

