cultiv8

YOUTH AGRICULTURE LEADERSHIP SUMMIT

OCTOBER 20 - 23, 2022 | OLDS, ALBERTA

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THANK YOU TO OUR 2022 PARTNERS

Canadian Agricultural Partnership – Innovate. Grow. Prosper.
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Alberta Innovates
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Land Stewardship Centre
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THURSDAY | OCTOBER 20

5:00 pm — REGISTRATION
ALUMNI CENTRE
Check in with Inside Education staff to receive your Welcome Package and to let us know you've arrived safely! Take some time to drop off your bags, find yourselves some dinner and settle in before the evening's festivities.

7:00 pm — BARN RAISING SUMMIT KICK OFF + MIXER
ALUMNI CENTRE
Get to know your fellow Cultivate participants through a fun and casual mixer led by Inside Education. Snacks will be provided!

FRIDAY | OCTOBER 21

7:30 - 8:30 am — BREAKFAST - *Alumni Centre*

8:30 am — WELCOME + AGRICULTURE 101
ALUMNI CENTRE
Dust off your boots and step into Cultivate 2022!
IDEA CULTIVATOR | *Inside Education*

9:00 am — ALBERTA'S AGRICULTURE STORY
ALUMNI CENTRE
What makes agriculture exciting besides the fact that it's Alberta's second largest industry? This session will set the stage for exploring Alberta's agricultural sector, food systems, and the innovations needed to feed a growing population while ensuring economic and environmental sustainability.
IDEA CULTIVATOR | *David Hill - The University of Lethbridge*

9:30 am

9:45 am — OLDS COLLEGE TOUR
Outside Tour
OLDS COLLEGE CAMPUS
Join us on a tour of Olds College to check out cutting edge technologies and research that are shaping the agriculture sector. This is also your chance to get a glimpse into post-secondary opportunities in agriculture education.
IDEA CULTIVATORS | *Olds College Faculty and Students*

11:45 am — LUNCH - *Alumni Centre*

12:30 pm — FARM TO TABLE - *AGRICULTURE EXPERTS ACTIVITY*
ALUMNI CENTRE
Put your critical thinking skills in action as you meet delegates from various commissions and associations representing a variety of areas in Alberta's agriculture industry. As you meet and interact with them, you'll earn puzzle pieces to help expand your field of knowledge.
IDEA CULTIVATORS
Debra McLennan - Alberta Pulse Growers | Stacy Zimmer - Alberta Wheat Commission/Alberta Barley
Makayla Gross - Alberta Sugar Beet Growers | Maria Leslie - Alberta Chicken Producers
David Webb - Alberta Egg Producers | Tara Baycroft - Alberta Canola | Ray Cochrane - Nutrients for Life
Corry Pepper - CAREERS | Margo Jarvis Redelbeck - Alberta Irrigation Districts Association
Kaleigh Watson - Alberta Water Portal Society

1:30 pm

1:45 pm — SUSTAINABLE DEVELOPMENT GOALS BREAKOUT SESSIONS
Explore the connection between agriculture, climate change, and the United Nations Sustainable Development Goals in this session. Each room will have two 30 minute presentations that will dive deeper into an element of sustainability related to agriculture.

Location	WATC 301	WATC 302	DMP 20	DMP 219
Theme	TRANSITIONAL ZONES ARE IMPORTANT FOR AGRICULTURE (SDG 15)	APPROACHES TO SUSTAINABILITY (SDG 2, 13 AND 15)	WATER AND ENERGY IN AGRICULTURE SDG 12 AND 13)	GRASSLANDS AND RANGELANDS (SDG 2, 13 AND 15)
Session 1 1:45 PM - 2:15 PM	**Ribbons of Green in Agriculture- Tying together Ag and the Environment** *Norine Ambrose - Cows and Fish* What are riparian areas, and how are they relevant in agricultural operations? Healthy riparian areas benefit us all, for sustainable environments and resilient communities.	**Farming Solutions = Climate Solutions** *Shiana Younger - Rural Routes to Climate Solutions* Many things that are climate solutions, are also solutions for common farming issues. We will look at some examples of what this means and how they can easily be adopted in current agriculture systems	**Biomass: Agriculture and the energy future** *Kari McDonald - Horse Lake Biorefinery* The Horse Lake First Nation has recently begun operating a self-sustaining biorefinery that turns agricultural waste and other biomass into heat and power for the community.	**The Potential of Perennial Grains in Alberta** *Amber Kenyon - Gateway Research Organization* Gateway Research Organization has been growing Kernza (Perennial wheat) and ACE 1 Perennial Rye for the last three years. Join in as we talk about the history of these two grains, what is currently happening with them and their potential for the future.
Session 2 2:15 PM - 2:45 PM	**What is Agroforestry** *Megan Andre - Agroforestry and Woodlot Extension Society* Innovative producers are looking at landscape level management tools like agroforestry to restore resiliency to rural living and to agriculture on the prairies. Learn more about the role of trees in sustainable water management, pollination, carbon sequestration and more.	**Nutrien's approach to environmental sustainability** *Mike Nemeth - Nutrien* Learn from Mike Nemeth, Sr. Advisor, Agricultural and Environmental Sustainability, about what sustainability looks like in Alberta's agriculture industry and how Nutrien is focused on the UN Sustainability Goals in all areas of their business.	**How much water is used for making fries?** *Alison Regana and Brie Nelson - WaterSMART Solutions* In Alberta we have potato farmers, fry processors, and lots of restaurants and supermarkets that sell fries. We will discuss all the ways that water is important to food supply chains.	**Home on the Range: Fundamentals to maintaining rangeland health and sustainability** *Dr. Edward Bork - University of Alberta* Range and pasture environments represent nearly 10 million hectares of land in Alberta supporting approximately 1.6 million head of beef cattle. Understanding these agroecosystems and how they respond to land use are critical to supporting proper rangeland management and sustainability.

2:45 pm — SNACK BREAK

3:00 pm — STUDENT PROJECT PLANNING SESSION
ALUMNI CENTRE
Reflect upon the first day of Cultivate and share your insights with other students! Build your own understanding of what agriculture projects mean to you and your team, and relate that to your Cultivate experience so far. Dig deep into your project planning by networking with industry experts and peers.
IDEA CULTIVATOR | *Inside Education*

TEACHER'S RESOURCE WORKSHOP
BELL E-LEARNING CENTRE 954/955
Kick back and relax in the teacher's lounge and learn about different resources that will help you bring agriculture education to your classroom.
IDEA CULTIVATORS
Inside Education
Tara Baycroft - Alberta Canola | Lynsay Beavers - Canadian Cattle Association
Kaleigh Watson - Water Portal Society | Melody Garner-Skiba - Alberta- Sugar Beet Growers
Alison Regan - WaterSMART Solutions | Debra McLennan - Alberta Pulse Growers
Corry Pepper - CAREERS | Ray Cochrane - Nutrients for Life | Patricia Ramsay - Project Agriculture
Jayde Roche & Daniela Seiferling - Rural Alberta Development Network

4:00 pm — FREE TIME - *Explore Olds, head back for a nap or chat with new friends - this time is for you to recharge!*

6:00 pm — CELEBRATION DINNER AND RODEO
ALUMNI CENTRE
Dinner with agriculture leaaders followed by a rodeo put on by the Olds College Rodeo Team.

SATURDAY | OCTOBER 22

7:30 - 8:30 am — BREAKFAST - *Alumni Centre*

8:30 am — THE HUMAN FUTURE OF AGRICULTURE PANEL
ALUMNI CENTRE
Alberta's future in agriculture is not just based on the technologies and innovations - it's important to think about who is putting in the hard work. Our panelists will help us uncover the current demographics in agriculture and where there will be growth in the future through upcoming careers opportunities.
IDEA CULTIVATORS
Colby Robertson - Canadian Agricultural Youth Council
B Pratyusha Chennupati - Farmers Business Network Canada, Inc.
Katelyn Duban - Wild Rose Farmer Inc.
Shaun Soonias - Farm Credit Canada

9:15 am

9:30 am — SUSTAINABLE DEVELOPMENT GOALS BREAKOUT SESSIONS
Explore the connection between agriculture, climate change and the United Nations Sustainable Development Goals in this session. Each room will have two 30 minute presentations that will dive deeper into an element of sustainability related to agriculture.

Location	WATC 301	Bell E-Learning Centre 947/948	WATC 302	WATC 305
Theme	USING LIVESTOCK TO REGENERATE LANDSCAPES (SDG 2, 13, 15)	SIMULATING SUSTAINABILITY (SDG 2, 13, 15)	WATER AND CATTLE (SDG 15)	URBAN AND COMMUNITY FARMS (SDG 2, 13)
Session 1 9:30 AM - 10:00 AM	**Regenerative Ranching** *Shiana Younger - Younger Cattle Co* Raising pastured beef, chicken, eggs and pork using solar, grazing and wind systems. This session will share how we got started in Regenerative Ranching and what our current goals are.	**Guardians of the Grasslands video game** *Lynsay Beavers - Guardians of the Grasslands/Canadian Cattle Association* Following a screening of the short documentary "Guardians of the Grasslands", participants will have a chance to play a demo version of the Guardians of the Grasslands game.	**A Tale of Two Rivers** *Brooke Kapeller - Bow River Basin Council* *Rosemarie Ferjuc - Red Deer River Watershed Alliance* Representatives from the Bow and Red Deer River Watersheds look forward to discussing water system management and contrasts between the two regions.	**The case of urban farming and water resources management** *Pablo Pina - SAIT* Agriculture and food systems can be at the forefront of helping build sustainable and resilient communities. In this session we'll look at water management in urban farming and why water management is integral to food systems across Alberta.
Session 2 10:00 AM - 10:30 AM	**Using Cattle to Preserve and Enrich Grasslands** *Ben Campell - Grazed Right Beef* This session will explore how cattle are a keystone species to maintain native pasture health and biodiversity. They are also critical in our fight against climate change by sequestering millions of tonnes of carbon long term in the soil.	**Journey 2050** *Megan White - Calgary Stampede* The Calgary Stampede Journey 2050 field school offers programming all about food security and feeding 9 billion people by 2050. We will also share how you can get $1000 to help support the implementation of a community action project focused on sustainable agriculture.	**Nutrients for Life** *Ray Cochrane - Nutrients for Life* Soil plays an integral part in food production. Join Nutrients for Life to uncover the importance of soil science in growing plants using the 4 R's of nutrient stewardship and how this is a fundamental part of sustainable agriculture.	**Urban Farms and you** *Patty Milligan - Edmonton Urban Farm* Learn more from the team from the Edmonton Urban Farm about how community foodscapes like farms and grow boxes can contribute to a healthy society.

10:30 am — GROUP PHOTO + SNACK

11:00 am — LEADERSHIP IS A CHOICE WITH SARAH WELLS
ALUMNI CENTRE
Obstacles don't scare Sarah Wells. As a 400m hurdler, Sarah earned a reputation for overcoming challenges and achieving the impossible. Outside of competitive sports, this athlete is coaching people to pursue their goals through the Believe Initiative, an organization founded on—fittingly—a message of resilience.

12:00 pm — LUNCH - *Alumni Centre*

1:00 pm — BOOTS ON THE GROUND FARM TOURS
Outside Tour
Make sure you have your outdoor gear as we will be outside!
What better way to learn about agriculture than taking a tour of a local farm? Grab your boots and get ready to spend some time meeting local agriculture heroes who are dedicated to their work and ensuring food security, sustainability, and diverse market options for all Albertans.
Participants will attend 1 of 3 tours. This year we're headed to:
1. Little Loaves Farm
2. Huntcliff Dairy Farm and Freshpal Farms
3. Van Der Gun Dairy Farm

4:30 pm — FREE TIME - *Explore Olds, head back for a nap or chat with new friends - this time is for you to recharge!*

6:30 pm — DINNER AND SOCIAL CELEBRATION
ALUMNI CENTRE
Join us for our celebration dinner and let loose on the dancefloor or on the games court with your teammates and new friends from across the province.
DINNER FOLLOWED BY DANCE/GAMES

SUNDAY | OCTOBER 23

8:00 - 9:00 am — BREAKFAST - *Alumni Centre*

9:00 am — YOUTH SHOWCASE
ALUMNI CENTRE
Luke Silinski is the founder and head of play at AgTechSTEAM, an educational kit developer who provides tools and activities for students and teachers to learn more about agriculture technologies. Students will have the chance to be inspired by this young entrepreneur and be led through some creative activities that inspire the kit that each school will be taking home following the program!
IDEA CULTIVATORS | *Luke Silinski - AGTechSteam*

10:30 am — YOUTH LEADERSHIP IN ACTION
ALUMNI CENTRE
You can grow healthy, biodiverse forests every time you fundraise for charity, student-powered projects, and school initiatives with Canada's Forest Trust (CFT). In this session led by Erika Bolliger, you will learn about the first-of-its-kind School Smart Forest program. Discover a fundraising platform that grows forests with every contribution made and receive personalized digital forest reports as your impact grows.
IDEA CULTIVATOR | *Erika Bolliger and Taylor Piotrowski - Canada's Forest Trust*

11:00 am — PROJECT PLANNING WORKSHOP + WRAP UP
ALUMNI CENTRE
Dig into project planning with your team and the help of Inside Education staff. Prepare to leave Cultivate and enhance agriculture literacy at your school by drawing from your team's summit experience, the creativity of your peers, and your own inspirations. By the end of the summit, you'll be set to make your project a reality!
IDEA CULTIVATOR | *Inside Education*

12:30 pm — DEPARTURE - *Bagged lunch provided*