



SCIENTIFIC PROGRAM

Three days of knowledge sharing, collaboration, and innovation in rural, agricultural, and community health and safety.

*Schedule subject to change.

TUESDAY, JUNE 16

Opening Ceremony, Elder Prayer, & Keynote
8:15 - 10:15 AM

Centre/East Room

Panel - Farm Safety is Good for Business

- Jolly-Nagel, Cherilyn (moderator)
- Pickett, William
- Bendixsen, Casper
- Ulmer, Kendra
- Edwards, Amber

Coffee Break

Sponsored by: USask Communities and Sustainability Signature Area (CSSA)

10:15 - 10:40 AM

Concurrent Session
10:40 AM - 12:00 PM

Centre/East Room

Panel - First Nations

- Kachroo, Meera
- Karunanayake, Chandima
- Janzen, Bonnie
- Seesequasis, Warren
- Marchildon, Gregory

West Room

Occupational Hazards

- Coco, Laura - *Noise Exposure on Farms: An Overlooked Occupational Hazard*
- Ikram, Bisma and Gupta, Suvadra Datta - *Building the Canadian Uranium Workers Study Cohort: Integrating Seven National Databases to Advance Occupational Radiation Research in Canada*
- Milosavljevic, Stephan - *A scoping review of acute and chronic cognitive effects from exposure to whole body vibration in humans and animals*
- Dion-Provencher, Elise - *Observed risks in apple growers' practices - Beyond pesticide exposures*

South Room

Panel - The farmer mental health 'crisis': Ethical and methodological considerations

- Becot, Florence
- Meredith, David
- Massie, Merle
- Bjornestad, Andrea
- Firnhaber, Joseph

Concurrent Session 10:40 AM - 12:00 PM	Starlight Room	Safety Interventions <ul style="list-style-type: none"> • Wassermann, Jim - <i>Low-Cost ROPS Project for Older Tractors in Canada</i> • Issa, Salah F. - <i>Evaluate immersive VR training for improving safety awareness for Agricultural Technicians</i> • Yoder, Aaron - <i>Ingress Egress Safety for Agriculture Machinery: Refining Behavioral Observation and Classification Methods Using Computer Vision and Machine Learning</i> • Bouwman, Elijah - <i>Evaluating behaviors of non-employee visitors in public feed mills with computer vision</i>
	Lunch Sponsored by: USask Communities and Sustainability Signature Area (CSSA) 12:00 - 1:00 PM	
Concurrent Session 1:00 - 2:20 PM	Centre/East Room	Healthcare <ul style="list-style-type: none"> • Madigan, Dana - <i>Community Health Clinic presentations of of migrant and seasonal farm workers and their families in Illinois between 2017-2024</i> • Kosteniuk, Julie - <i>Rural-urban differences in primary care collaborations and resources for dementia care</i> • MacDonald, Mary - <i>Exploring Farmer Help-Seeking Behaviors in the United States</i> • Spence, Cara - <i>Syphilis/HIV Early Rapid Response (SHIVER): Community Driven Point-of-Care Testing (POCT) and Treatment Implementation Across Diverse Sites in Saskatchewan, Canada</i>
	West Room	Panel - Farmer Mental Health and Wellbeing: Updates on Research and Programming in Canada <ul style="list-style-type: none"> • Hagen, Briana • Jones, Andria • Pavloff, Michelle • Purc-Stephenson, Rebecca
	South Room	Ergonomics <ul style="list-style-type: none"> • Gorucu, Serap - <i>Ergonomic Assessment of Exoskeleton Assistance in Simulated Watermelon Harvesting</i>

<p>Concurrent Session 1:00 - 2:20 PM</p>		<p>Ergonomics (continued)</p> <ul style="list-style-type: none"> • Lang, Angelica - <i>Ergonomic exposures during conventional and remote telerobotic ultrasound: an occupational biomechanical analysis</i> • Jolly, Caroline - <i>Analysing professional practices of apple growers to facilitate the use and design of pesticides sprayers</i>
	<p>Starlight Room</p>	<p>Family Safety</p> <ul style="list-style-type: none"> • Becot, Florence - <i>The Role of Childcare in Farm Safety</i> • Jennissen, Charles - <i>A National Study of Rural Adolescent Attitudes and Use of Helmets While Riding ATVs</i> • Issa, Salah F. - <i>From Report to Response: Machine Learning-Based Analysis of Agricultural Incident Narratives for Proactive Farm Safety</i> • Jennissen, Charles - <i>A National Study of Rural Adolescent Bicycle Helmet Attitudes and Use</i>
<p>Coffee Break Sponsored by: USask Communities and Sustainability Signature Area (CSSA) 2:20 - 2:30 PM</p>		
<p>Concurrent Session 2:30 - 4:10 PM</p>	<p>West Room</p>	<p>Community Engagement</p> <ul style="list-style-type: none"> • Hawkins, Jenny - <i>Team Work Makes the Dream Work: Partnering with Communities to Advance Agricultural Safety through Emergency Preparedness</i> • Ulmer, Kendra - <i>Strengthening Farm Health and Safety Through Community-Based Networks: The Agricultural Health and Safety Network</i> • Jones, M. Susan - <i>Mobilizing Community Partners to Promote the Health of Farmers</i> • Robinette, McKayla - <i>Adapting "Psychological First Aid: Listen, Protect, Connect" for Agricultural Communities</i> • Hanschu, Jakob - <i>The Origination, Development, and Reception of an Online Agricultural Emergency Preparedness and Prevention Course for First Responders</i>

TUESDAY, JUNE 16

Concurrent
Session
2:30 - 4:10
PM

South
Room

Student Awards

- Welch, Alexandra - *Occupational, Physical, and Psychological Impacts of Alpha-gal Syndrome among Farmers and Ranchers*
- Sagen, Sara - *The Effects of Driving and Whole-Body Vibration on Upper Body Postures and Discomfort*
- Barnett, Kaleigh - *Work-Related Injury and Mental Health Among Veterinary Healthcare Team Individuals*
- Dupperon, Amanda - *“We are part of the pillars”: The Development and Implementation of the Dietitian’s Role in Rural Primary Health Memory Clinics*
- Insaurralde, Genesis Xiomara - *Measuring Mental Health in Agricultural Workers: Differences between Resident and Seasonal Workers in Illinois*

Starlight
Room

Children Safety

- Johnson, Angie - *Gearing Up for Safety: From a Youth Certification Program to a Classroom-based Educational Program*
- Khorsandi, Farzaneh - *Digital Safety Tool for Agriculture: Using AI and a Mobile App to Assess Youth–ATV Fit*
- Peden, Amy - *Evaluating the impact of co-designed, gamified farm safety education for adolescents: The Calm Your Farm experience*
- Reaves, Allison - *From the Classroom to the Farm Gate: Student Advocacy and Farm Safety Adoption*
- Jennissen, Charles - *Beyond Locks and Lectures: What Rural Parents Think Would Be Effective Firearm Safety Messaging and Programming*

Poster Reception (Centre/East Room)

5:00 - 7:00 PM

1:00 - 3:00 PM

Rayner Dairy Research and Teaching Facility

Depart 1:00 pm | Return approx. 2:30 - 3:00 pm

12:30 - 3:30 PM

Wanuskewin Heritage Park

Depart 12:30 pm | Return approx. 3:00 - 3:30 pm

7:00 - 9:00 PM

Cathedral Social
Hall

No cost. Each person is
responsible for own bill.


Childhood Agricultural Safety Network (CASN) Social

Dinner to socialize & network about childhood ag health & safety.

To reserve: Cassey Peltier at cassandra.peltier@sanfordhealth.org

Journal of Agromedicine Associate Editor’s Meeting

To reserve: Scott Heiberger at Scott.Heiberger@SanfordHealth.org

<p>Keynote Session 8:15 - 9:15 AM</p>	<p>Centre/East Room</p>	<p>Health, safety and wellbeing for the farming population – why is it still a global challenge?</p> <ul style="list-style-type: none"> • Lundqvist, Peter
<p>Concurrent Session 9:20 - 10:20 AM</p>	<p>Centre/East Room</p>	<p>Rural Health 1</p> <ul style="list-style-type: none"> • Shah, Tayyab - <i>Geospatial Analysis of Integrated Rural Healthcare Access Pathways in Saskatchewan</i> • Madigan, Dana - <i>Comparing Migrant & Seasonal Agricultural Worker Visits in Illinois Migrant Health Centers, 2017-2024</i> • Carr, Tracey - <i>Toward a Coordinated Saskatchewan Rural Healthcare Research Agenda: An Environmental Scan</i>
	<p>West Room</p>	<p>One Health</p> <ul style="list-style-type: none"> • Gibbs, Jenna - <i>Modeling New World Screwworm Infestation Scenarios and Their One Health Economic Impacts on Florida’s Livestock Industry</i> • Ludgate, Nargiza - <i>Modeling New World Screwworm Infestation Scenarios and Their One Health Economic Impacts on Florida’s Livestock Industry</i> • Purc-Stephenson, Rebecca - <i>From Field Observations to Practice: Translating One Health Indicators into Occupational Safety Tools for Animal Welfare Investigations on Farms</i>
	<p>South Room</p>	<p>Communications</p> <ul style="list-style-type: none"> • Girard, Matthieu - <i>Impact of a Dedicated Communications Strategy for the Canadian Centre for Rural and Agricultural Health</i> • McNamara, John - <i>Using Media to communicate OSH research findings to Farmers in Ireland</i> • Thompson, Katie - <i>A Communicator’s Perspective: The Importance of Using Visuals and Imagery in Knowledge Translation for Rural and Agricultural Populations</i>
	<p>Starlight Room</p>	<p>Animal Models</p> <p style="text-align: center;"><i>Sponsored by</i>  Agilent Technologies</p> <ul style="list-style-type: none"> • Chao, Daniel - <i>Occupationally Relevant Vibrations and the Brain: Frequency-Dependent Proteomics Signatures in a Rat Model</i>

<p>Concurrent Session 9:20 - 10:20 AM</p>		<p>Animal Models (continued)</p> <ul style="list-style-type: none"> • Das, Ankon - <i>Neutrophil elastase-derived angiotatin is a sensitive tool for detection of murine mitochondrial oxidative stress</i> • Wyatt, Todd - <i>Bacterial lung infection is enhanced in a murine model by co-exposure to organic dust and alcohol</i>
<p>Coffee Break Sponsored by: Parrish & Heimbecker 10:20 - 10:40 AM</p>		
<p>Concurrent Session 10:40 AM - 12:00 PM</p>	<p>Centre/East Room</p>	<p>Rural Health 2</p> <ul style="list-style-type: none"> • Clark, Olivia - <i>Promoting Healthy and Safe Aging on the Farm</i> • Skoczyński, Szymon - <i>Young women's awareness concerning asthma management during pregnancy in rural and urban areas</i> • Whyte, Erika - <i>Asthma - Neurodevelopmental and Mental Health Disorder (NMD) Multimorbidity in Canadian Children: A focus on rural dwelling</i> • Jennissen, Charles - <i>Infant Safe Sleep Practices of Rural Iowa Adolescents</i>
	<p>West Room</p>	<p>Panel - Addressing Tick-Borne Diseases as an Emerging Occupational Risk for Outdoor Workers</p> <ul style="list-style-type: none"> • Cross, Shaun • Sanderson, Wayne • Rautiainen, Risto
	<p>South Room</p>	<p>Panel - Creating Mentorship Opportunities for Agricultural Safety and Health Professionals</p> <ul style="list-style-type: none"> • Jepsen, Dee • TBD
	<p>Starlight Room</p>	<p>Stress</p> <ul style="list-style-type: none"> • Rudolphi, Josie - <i>Development and Validation of a Contemporary Occupational Stressor Instrument for Agricultural Producers</i> • Stallones, Lorann - <i>Empathy and occupational stress among dairy workers: Insights from a One Welfare perspective</i>



Concurrent Session
10:40 AM - 12:00 PM

Stress (continued)

- Becot, Florence - *Farmers' adaptation when facing financial and mental challenges*
- Proctor, Christina - *Migrant Farmworkers' Perspectives on Stress, Coping, and Their Relationship with Health*

Lunch

Sponsored by: Parrish & Heimbecker
12:00 - 1:00 PM

Concurrent Session
1:00 - 2:40 PM

Centre/East Room

Health and Safety Management

- Akula, Aryan - *Occupational Hazards in Resistance Management: A Practical Safety Framework for Agricultural Refugia*
- Carvajal-Suárez, Marcela - *Pilot evaluation of Tomando el Control: A chronic disease self-management intervention delivered online to Spanish-speaking cattle feedyard workers*
- Gracia, Gabriela - *"It's more efficient for us, and it's better for the workers...and makes the farmer's life easier:" Exploring Agricultural Labor Organizational Structures in Illinois*
- Poirier, Marion - *Occupational Safety and Health (OSH) in Very Small Enterprises (VSE) within the Agricultural Sector: Preliminary Findings from a Scoping Review*
- Leonard, Devin - *Developing a Successful Greenhouse Safety Program*

West Room

Air Quality in Livestock Housing

- Alluag, Angelo - *Evaluation of ionization-based air inlet protection systems for poultry houses*
- Godbout, Stéphane - *Air Quality in Next-Generation Canadian Livestock Housing Systems: Risks and Solutions in a One Health Perspective*
- Nonnenmann, Matthew - *Evaluation of a low-cost, miniaturized recirculating ventilation system (mRVS) to control bioaerosol in swine production*
- Adesina, Adepeju - *Comparing the performance of a novel high-volume virtual impactor sampler and traditional samplers for collecting swine influenza virus aerosols (SIV)*
- Recalde, David - *Evaluation of a lab-scale cold plasma system in decontaminating pig barns*

<p>Concurrent Session 1:00 - 2:40 PM</p>	<p>South Room</p>	<p>Incidents</p> <ul style="list-style-type: none"> • Rudolphi, Josie - <i>Public roadway safety behaviors of Central State Region farm vehicle operators</i> • Beauregard, Nancy - <i>Serious and fatal accidents in agriculture in Quebec: a content analysis of investigation reports (2016-2025)</i> • Issa, Salah F. - <i>Machine Learning–Based Prediction of Crash Severity in Agricultural Machinery Incidents</i> • Shipp, Eva - <i>Variables Associated with Higher Severity Single and Multi-Vehicle Log Truck Traffic Crashes in Texas</i> • Nichols, Sarah - <i>A National Study of Rural Adolescent Attitudes and Use of Helmets While Riding Motorcycles</i>
	<p>Starlight Room</p>	<p>Mental Health Interventions</p> <ul style="list-style-type: none"> • Charlier, Devon - <i>Partnering to Support Mental Health in Agricultural Communities: UMASH Emerging Issues Approach</i> • Denning, Maggie - <i>Strengthening Farm Communities: Integrating Mental Health, Caregiving, and Emergency Preparedness in Rural North Carolina</i> • Massie, Merle - <i>AgTalk: three years of insight into agricultural mental health in Canada</i> • Robinette, McKayla - <i>Turning the page on farm stress: A Virtual book club for mental health among women in agriculture</i> • Sweeney, Jack - <i>Farmer family preferences for mental health interventions</i>
<p>Coffee Break Sponsored by: Parrish & Heimbecker 2:40 - 3:00 PM</p>		
<p>Concurrent Session 3:00 - 4:00 PM</p>	<p>Centre/East Room</p>	<p>First Nations</p> <ul style="list-style-type: none"> • Anjum, Humaira - <i>Cultural Resurgence and Positive Self-rated Mental Health among on-Reserve First Nation Communities in Rural Saskatchewan</i> • Bowes, Briana - <i>Co-Developing a Community-Directed Virtual Care Needs Assessment: Engagement and Data Sovereignty with Saskatchewan First Nations Communities</i> • Chowdhury, Samiul - <i>Water and Wellness in the Northern Village of Cumberland House: Mental Health Impacts of the Water Crisis and the Benefits of Research Support</i>

WEDNESDAY, JUNE 17

Concurrent
Session
3:00 - 4:00
PM

West Room

Respiratory Exposures 1

- Mohanty, Barada - *Long-Term Grain Industry Exposure, Genetic Susceptibility, and Lung Function Decline Among Canadian Grain Elevator Workers*
- Jones, Alexander - *Antimicrobial resistance exposure study: Cross-shift changes in self-reported symptoms among livestock workers*
- Thompson, Brooke - *Sex Differential Inflammatory Response in mice following Agricultural Respiratory Exposures*

South
Room

Education

- Krekelberg, Emily - *Aging on the Farm: an Extension outreach program to promote safe, accessible aging in place*
- Head, Lindsey - *Advancing Agricultural Safety Through Extension Education in Correctional Facilities*
- Sheridan, Carolyn - *Empowering Tomorrow's Farmers: The Impact of Provincial Partnerships on the GearUp for Ag Health & Safety Program in Canada*

Banquet (Centre/East Room)
6:00 - 10:00 PM

12:30 - 3:00 PM

Case New Holland

Depart 12:30 pm | Return approx. 2:30 - 3:00 pm

1:00 - 3:30 PM

Black Fox Farm and Distillery

Depart 1:00 pm | Return approx. 3:00 - 3:30 pm

<p>Keynote 8:15 - 9:15 AM</p>	<p>Centre/East Room</p>	<p>The Joy of Doing</p> <ul style="list-style-type: none"> • Kirychuk, Shelley (moderator) • Dosman, James • Koehncke, Niels
<p>Concurrent Session 9:20 - 10:20 AM</p>	<p>Centre/East Room</p>	<p>Off-Road Vehicles</p> <ul style="list-style-type: none"> • Ferreira Lima dos Santos, Fernando - <i>Assessing the effects of load characteristics on Agricultural ATV dynamic stability</i> • Drey, John - <i>Rural Adolescent Attitudes and Use of Helmets While Riding Dirt Bikes: A National Study</i> • Nichols, Sarah - <i>Snowmobile Helmets: A National Study of FFA Adolescent Attitudes and Use</i>
	<p>West Room</p>	<p>Emerging Issues</p> <ul style="list-style-type: none"> • Thiam, Baye Bacar - <i>Impact of wildfires on the farmworkers' physical health: prevention and improvement opportunities</i> • Russell, Camellia - <i>The Application of Artificial Intelligence in U.S. Agriculture System</i> • Yu, Lin - <i>Preparing for Emergency: Climate Change and Emergency Preparedness</i>
	<p>South Room</p>	<p>Heat</p> <ul style="list-style-type: none"> • Hong, Minyoung - <i>Forecast-Driven XGBoost WBGT Prediction for Farmworker Heat-Illness Prevention</i> • Gorucu, Serap - <i>Assessment of Heat Index Exposure for Field Labor in Florida</i> • Mizelle, Elizabeth - <i>Designing and Implementing a Heat-Related Illness–Preventive Hydration Intervention for Farmworkers: An Integrated Approach to Safety, Adoption, and Acceptability</i>
<p>Coffee Break 10:20 - 10:40 AM</p>		
<p>Concurrent Session 10:40 AM - 12:00 PM</p>	<p>Centre/East Room</p>	<p>Mental Health 1</p> <ul style="list-style-type: none"> • Pipgrass, Kylee - <i>Centering Community Voice in Farmer Mental Health and Suicide Prevention</i>

Concurrent Session
10:40 AM - 12:00 PM

Centre/East Room	<p>Mental Health 1 (continued)</p> <ul style="list-style-type: none"> • Robinette, McKayla - <i>Structured Post-Disaster Debriefings as a Mental Health Intervention for Agricultural and Extension Professionals</i> • Massie, Merle - <i>Producer Self-Check in Tool: Aligning for National Action</i>
West Room	<p>Adolescence</p> <ul style="list-style-type: none"> • Gibbs, Jenna and Sheridan, Carolyn - <i>Normalizing speed: Evaluating how early onset of farm work shapes safety culture among the next generation of agricultural workers</i> • Drey, John - <i>A National Study of Rural Adolescent Attitudes and Use of Equestrian Helmets</i> • Swenson, Andrea - <i>Attitudes toward Farm Work among Adolescents in Wisconsin</i> • Peden, Amy - <i>Farm injury prevention for adolescents hampered by a lack of data disaggregation</i>
South Room	<p>Respiratory Exposures 2</p> <ul style="list-style-type: none"> • Datta Gupta, Suvadra - <i>Standardized Mortality Ratios for Lung Cancer in the Canadian Uranium Workers Study (CANUWS)</i> • Nonnenmann, Matthew - <i>Inhalable Dust Exposure Concentrations during Work Tasks in Broiler Production</i> • Duysen, Ellen - <i>Impact of a Personal Protective Equipment Kit and Educational Intervention on H5N1 Prevention Behaviors Among Backyard Poultry Owners</i>
Starlight Room	<p>Agricultural Worker Health</p> <ul style="list-style-type: none"> • Ramos, Athena - <i>Feasibility and acceptability of recruitment methods used in the Cattle Feedyard Worker Health Study</i> • Sousan, Sinan - <i>Assessing the Feasibility of Wearable Devices for Physiological Monitoring and Heat Risk Prediction in Outdoor Agricultural Workers</i> • Sweeney, Jack - <i>Research Priorities of Irish Farming Families</i> • Forst, Linda - <i>Intersection of Housing, Employment, Immigration, and Health for Hired Farmworkers</i>

Lunch
12:00 - 1:00 PM

Concurrent
Session
1:00 - 2:40
PM

Centre/East
Room

Mental Health 2

- Sweeney, Jack - *Mental health of Irish Farming Families*
- Stallones, Lorann - *Invisible Labor: Emotional Distress in Animal Agriculture and Veterinary Work*
- Bjornestad, Andrea - *Support for the financial and mental health of the agricultural sector: Perspectives from key informant interviews*
- Robinette, McKayla - *Mental Health Among Women on the Farm: A Community-Engaged Qualitative Study of Women Farmers and Farmworkers in North Carolina*

West Room

Qualitative Safety

- Jørgensen, Per - *Occupational Safety and Risk Acceptance in Agriculture: A Qualitative Analysis of Safety Culture*
- Pickett, William - *The lived experience of agricultural injury and injury prevention: a qualitative exploration of young adults raised on Canadian farms*
- Amnell, Christa - *Living With Risk: Organizational and Communicative Perspectives on Agricultural Workplace Safety*
- Beauregard, Nancy - *Strategic positioning in occupational health and safety and safety behaviours among farmers: A comparative study*
- Firnhaber, Joseph - *Profiling farmer's safety and engagement preferences: a cross-national cluster analysis of 1078 European farmers*

South
Room

Agricultural Injuries

- Rautiainen, Risto - *Surveillance of Non-fatal Agricultural Injury and Illness in the US Central States*
- Koehncke, Niels - *Trends in Fatal Farm Injuries, Saskatchewan, Canada: 2015-2024*
- Moore, Madison - *Discovering Agricultural Related Injuries from The OneFlorida+ Data Trust*

Concurrent
Session
1:00 - 2:40
PM

Starlight
Room

Agricultural Injuries (continued)

- Narasimhan, Gopinath - *Beyond Biological Sex: Deconstructing the Mechanisms of Farm Injury in Saskatchewan*
- Rautiainen, Risto - *Using agricultural injury and illness data to inform policy and practice: lessons from Finland*

Knowledge Mobilization at Scale

- Girard, Matthieu - *CANFARMSAFE&WELL – A national vehicle for agricultural health and safety knowledge translation*
- Perez, Jose - *Bridging the Gap: Cultivating Safety Leadership in Agricultural Operations*
- Yoder, Aaron - *From AI Chatbots to Chore Lists: Using Large Language Models to Support Agricultural Safety and Health Education and Training*
- Ulmer, Kendra - *Saskatchewan Farm Safety Plan Pilot Project – Building Safer Farms Through Phased Education and Provincial Expansion*

Closing Remarks (Centre/East Room)

2:40 - 3:00 PM