



November 27-29, 2018~Mid America Center, Council Bluffs, IA

<http://www.public-health.uiowa.edu/icash/2018-mrash/>

Stress is everywhere in agriculture. Farmers juggle the uncertainty created by falling prices, increasing interest rates, public policy, land transfer, employee issues and many other external factors with the day to day responsibilities of getting their crops and livestock to grow. Good business practices include attention to preventive measures- creating operating procedures to lessen the risk of financial, environmental or health and safety disasters.

People are the most important asset in any farming operation. When a farmer or farmworker suffers death or injury, the entire operation is affected. However, when considering farming improvements and practices, economic and convenience factors are often prioritized over health and safety. How can we do a better job of integrating prevention into best practices in farm management? We need to recognize the impact safety has on our bottom line.

Diversity of perspectives is a hallmark of MRASH Conference attendees. All come together focused on one goal – how to keep our farm families and farm workers safe and healthy.

Intended Audience: Please join us if you are a farmer, farm worker, health care professional, safety & health practitioner, educator, engineer, emergency services provider, ag organization or agribusiness representative, employer, advocate, media member, or policy maker.

Special workshops this year include a pre-conference workshop on immigrant farmworkers, a post conference workshop on anhydrous ammonia safety and a separate 3 hour anhydrous ammonia safety training specifically targeting EMS and firefighters on Wednesday evening.

Hosted by:



MRASH 2018 Conference Schedule

Tuesday, November 27, 2018: Immigrant Farm Workers Health & Safety

12:00 – 1:00	Registration and Lunch
1:00 – 2:00	Overview from 40,000 Feet: Mark Grey, Ph.D, <i>Director of The Iowa Center for Immigrant Leadership and Integration, University of Northern Iowa.</i>
2:00 – 3:00	Case Studies and Q&A Session – Dr. Grey
3:00 – 4:00	Panel of immigrants from several different cultures tell their stories followed by Q&A

Wednesday, November 28, 2018: Conference Full Day

8:00-9:00 am	Registration, Exhibit setup
9:00 – 9:15	Welcome
9:15 -10:15	Planning and Management, Keys to Reducing Stress and Improving Resilience in Agriculture. Dick Wittman, MBA, Idaho Rancher & Farm Business Consultant
10:15 – 10:45	Break
10:45 – 12:00	Panel: Perspectives on Planning and Management. Iowa farmers who have worked to incorporate safety & health into business practices: Brad Forristall, David Rosmann, Josie Rozum.
12:00 – 1:00	Lunch. Special lunch space for students and agricultural safety & health career reps.
1:00 – 2:00	First round of breakout sessions
2:00 – 2:15	Break
2:15 – 3:15	Second round of breakout sessions
3:15 – 3:30	Break
3:30 – 4:30	Third round of breakout sessions
4:30 – 6:00	Poster Session & Reception followed by dinner on your own
5:00	Flash Talks included during Poster Reception: <ul style="list-style-type: none"> • <i>My Wellbeing: What About Me?</i>, Barbara Fuller, ISU Extension • <i>Pesticide Drift Story Mapping Project</i>, Amy Kopale, University of Iowa • <i>Social Media Messaging; What Gets Viewers Engaged?</i> Melissa Ploeckelman, NFMC • <i>Safety in Agriculture for Youth: Maintaining a National Clearinghouse</i>, Aaron Yoder, UNMC
6:00 – 9:00	Workshop: Anhydrous Safety Training for Firefighters & Emergency Responders only

Thursday, November 29: Conference Final Day

8:00-8:30	Registration
8:30 – 10:30	Storytelling: How to Make Positive Changes When Lives Change: Stephanie Leonard, MS, Great Plains Center for Agricultural Health; Ellen Duysen, MPH, CAOH, Central States Center for Agricultural Safety and Health (CS-CASH); Scott Heiberger, Communications Manager, and Melissa Ploeckelman, Outreach Specialist, both from the National Farm Medicine Center; Leon Sheets, farmer storyteller; Delaney Howell, ag journalist.
10:30- 11:00	Break
11:00 – 12:00	Small Group Discussion Topics – Where do we go from here? Each topic will have a facilitator and recorder.
12:00-1:00	Awards Luncheon
1:00-2:30	Anhydrous Ammonia Safety Workshop: Dan Neenan, National Education Center for Agricultural Safety.

Breakout Session Presenters and Topics: Wednesday, November 28, 2018

	Room A	Room B	Room C
Session 1: 1:00-2:00 pm	<ol style="list-style-type: none"> Gear up for AG Health and Safety™ Ag College Program Implications for International Expansion and Examination of Student Data from Around the Globe. Carolyn Sheridan, RN, BSN, Ag Health & Safety Alliance Can You Hear Me Now? Hope So. Implementation and Evaluation of Hearing Conservation Outreach for Youth Working in Agriculture. Ellen Duysen, MPH, CAOH, CS-CASH 	<ol style="list-style-type: none"> Injury Surveillance: An Evaluation of Online vs. Mailed Surveys. Kelsie Musil, MS, University of Nebraska Medical Center (UNMC) Occ. Health Safety Indicators for Selected Greenhouse Production Facilities in N America for Sustainable Management & Implementation. Jaime Thissen, University of Illinois 	<ol style="list-style-type: none"> Creating Enduring Resources for Farm Safety Education. Bernard R. Geschke, Progressive Ag Foundation Ready to Farm: Engagement of Farm Women in Health and Safety. Linda M Emanuel, R.N., Agriculture Producer, Community Health Nurse
Session 2: 2:15 – 3:15	<ol style="list-style-type: none"> Effect of Nitrosamine (NNAT) on Embryogenesis: Evidence from a Study Using Avian Embryos Exposed to NNAT. Moses New-Aaron MPH, MLS (ASCP), UNMC Health Indicators among a Cohort of Midwest Farmers. Kelley J. Donham MS, DVM, DACVPM, University of Iowa Emeritas 	<ol style="list-style-type: none"> Protecting Farm Workers' Hearing through Personalized, Automated Training. Thomas Peters, PhD, CIH, University of Iowa Exposure, Crashes, and Deaths Related to the Use of All-Terrain Vehicles for Spraying. Charles Jennissen, MD, University of Iowa 	<ol style="list-style-type: none"> Enhancing Rural Nursing Practice Through Distance Learning. Charlotte Halverson BSN, COHN-S, AgriSafe Stressing Health and Safety to a Stubborn Audience. Kathy Leinenkugel, MPA, Iowa Dept. of Public Health
Roundtable Session 3: 3:30 – 4:30	Evaluation Methods to Measure Ag Center End Outcomes. <ul style="list-style-type: none"> Mary Wendl, MSA, BSN, COHN-S; CS-CASH Mary Cramer, PhD, CS-CASH; Fernando Wilson, PhD, UNMC; Annie Keeney, PhD; High Plains Inter-Mountain Center for Ag Health & Safety Kanika Arora, PhD, Great Plains Center for Agricultural Health 	Livestock Safety <ul style="list-style-type: none"> <i>Improving Safety and Health in the Cattle Feedyard Industry.</i> Dan Kent, UNMC <i>Occupational injuries among Latino immigrant cattle feedyard workers in the Central States region.</i> Athena K. Ramos, PhD, MBA, MS, CPM, UNMC <i>Establishing Best Practices to Improve the Health & Safety of Tribal Bison Workers.</i> Lucia Finocchiaro, UNMC 	Stress/Behavioral Health Roundtable. Christine Chasek, PhD, University of Nebraska, Kearney

Posters: *Poster abstracts will continue to be accepted through Nov 1. See conference website for details.*

I-CASH youth grant recipients 1998-2018. Ralph Altmaier, MS, University of Iowa.

MyD88 controls airway epithelial Muc5ac expression during TLR activation conditions from agricultural organic dust exposure. John D. Dickinson, PhD, MD, University of Nebraska Medical Center.

Development of a social media strategy for agricultural safety and health messaging. Jenna Gibbs, MPH, PhD, Great Plains Center for Agricultural Health.

Protein intake is associated with lung function in veterans with COPD. Corrine Hanson, PhD, RD, University of Nebraska Medical Center.

Telling the Story – Development of a Collaborative Outreach Project. Scott Heiberger, National Farm Medicine Center.

Implementing a monthly Farm Safety Check tool to promote prevention strategies and resources in the Upper Midwest region. Diane Kampa, BSB, Upper Midwest Agricultural Safety and Health Center.

Insufficient zinc intake enhances airway inflammation in response to agricultural organic dust exposure. Dr. Daren L. Knoell, UNMC, The Lewis E. and Antonia E. Harris Professor and Chair Department of Pharmacy Practice.

Pesticide drift story mapping project. Amy Kopale, MS Student, University of Iowa.

Summary of 2017 farm-related injuries and fatalities involving manure storage, handling, and transport equipment and facilities. Mahmoud Nour, MS, Purdue University.

Increased opportunities and collaborations by utilizing rural venues for a Midwest health and safety conference. Gayle Olson, MS, CHES, Iowa's Center for Agricultural Safety and Health.

The Farm Safety Champion: a farmer's perspective. Carol Peterson, Med, Upper Midwest Agricultural Safety and Health Center.

Social media messaging; what gets viewers engaged? Melissa Ploeckelman, BS, National Farm Medicine Center.

Review of targeted safety and health interventions for youth working in agriculture, 2010-2017. Diane Rohlman, PhD, University of Iowa.

Dietary exosomes amplify the inflammatory effects of agricultural dust exposure in mice. Debra J Romberger, MD, University of Nebraska Medical Center and Nebraska Western Iowa VA Healthcare System

Criterion validation of a mobile motion capture system in the rural farm for analysis of joint angles. Ka-Chun Siu, PhD, University of Nebraska Medical Center.

Organic dust induced lung injury and repair: bi-directional regulation by TNF alpha and Interleukin-10. Todd Wyatt, PhD, Central States Center for Agricultural Safety and Health.

A review of the national research and extension agenda for agricultural safety and health. Aaron Yoder, PhD, University of Nebraska Medical Center

Conference Purpose

To acquaint attendees with the multiple disciplines, emerging research, current programming and key organizations in rural and agricultural health and strengthen collaborative relationships among producers, farm workers, ag business, research, policy and agricultural health/safety partners.

Session Objectives:

Participants will be able to:

- List two challenges faced by agricultural immigrant workers in staying safe and healthy in their workplaces (Grey).
- Summarize the changing demographics of the Midwest, and discuss the implications of these demographic changes for the health of agricultural workers (Grey).
- Discuss strategies for working effectively in the public health field with immigrant and refugee agricultural workers (Grey).
- Identify best management practices that contribute to creating a culture of safety on the farm (Wittman et al).
- List examples of End Outcome evaluation methods (Wendl).
- Compare general health status of Iowa farmers with the general public (Donham).
- Discuss effective methods of delivering hearing conservation information (Duysen).
- Compare online and mailed surveys in terms of response rates and results (Musil).
- Explain how to integrate three public health campaigns to prevent farm-related risks among farm women (Emanuel).

- Describe best practices for reducing health & safety hazards encountered during bison handling (Finnocchiaro).
- Explain how to build a prop or utilize existing props for a farm safety demonstration (Geschke).
- Describe the AgriSafe Nurse Scholar program and identify four major areas of improved knowledge for Nurse Scholars working in rural communities (Halverson).
- Explain why spraying and carrying loads with an ATV is a particular risk for injury and death (Jennissen).
- List several questions that should be asked prior to committing to an outreach activity (Leinenkugel).
- Summarize evidence regarding the effect of nitrosamine on embryogenesis (New-Aaron).
- List three impediments to hearing protection use among farm workers (Peters).
- Describe occupational injuries experienced by Latino immigrant cattle feedyard workers in Central States region (Ramos).
- Identify methods of educating a new generation of workers in agriculture (Sheridan).
- Describe how to mitigate key hazards in a greenhouse environment in North America (Thissen).
- List hazards present in the feedyard industry and describe appropriate safety and health programming (Yoder).
- Discuss resiliency factors that are effective in coping with stress (Chasek et al).
- Explain how storytelling enables farmers to reach out and help others learn about safety without going through the traumatic experiences themselves (Leonard et al).
- Outline next steps to take as a result of attending this conference (group discussions).
- Explain hazards associated with nurse tank ruptures and methods for selecting correct personal protective equipment (Neenan).

Continuing Education Credit

Social Work: On October 5, 2005, the Iowa Board of Social Work Examiners changed the rules of social work CEUs. The Board no longer approves continuing education sponsors, and now directs its licenses to review the continuing education criteria established in the rules. Social work CEUs will be offered, but it is up to the participant to determine if this program is deemed appropriate for your profession. If you have questions, please contact the Iowa Board of Social Work Examiners.

CHES: This program qualifies for Category II CHEC credits.

General: The University of Iowa awards General Education Units for full-time attendance.

Nurse CEUs & EMS Continuing Education Hours may become available. Check the conference website for updates. www.i-cash.org/2018-MRASH.



The Heartland Center for Occupational Health and Safety located at the University of Iowa's College of Public Health provides graduate training, continuing education and outreach in the area of occupational health and safety. For more information on continuing education and graduate programs, visit <http://www.public-health.uiowa.edu/heartland/>

Optional Events: There are several optional events that have no additional charge, but we ask you to sign up on the registration in order to plan appropriately.

Student Luncheon. During lunch on November 28, students have the option to join a variety of mentors in a small group to explore a variety of career paths in agricultural safety and health.

Poster Session Reception. A poster session on the evening of November 28 will feature a number of research and project posters. Join us for light appetizers, music and an opportunity for networking.

In-depth Workshops. Conference participants, and area farmers and others are invited to attend one of the in-depth workshops being offered.

1. Immigrant Farmworker Health, Tuesday, November 27, 1 pm – 4 pm. Or join us for lunch at noon. Target audience: Conference attendees, anyone who hires, works with or serves immigrant workers. Many concepts apply to non-farm workers as well.
2. Anhydrous Ammonia Safety, Thursday, November 29, 1 pm – 2:30 pm. Or join us for lunch at noon. Target audience: Conference attendees, farmers, co-op personnel or anyone who works with anhydrous ammonia.
3. Anhydrous Ammonia Safety Specifically for firefighters & EMS personnel: Wednesday, November 28, 6pm – 9 pm, supper included. No charge. EMS Continuing Education Hours provided.

Venue and Lodging

Country Inn & Suites by Radisson

712-322-8282

17 Arena Way

Council Bluffs IA 51501 United States



The Country Inn and Suites by Radisson, connected to the Mid America Center, has a block of rooms set aside for MRASH attendees. Amenities include complimentary wi-fi and hot breakfast. The negotiated conference rate is \$79 per night for reservations before October 25. Advanced purchases and Radisson Rewards members may be able to get an even lower cost rate. To receive the conference rate, call the hotel at (712) 322-8282. Online reservations can be made at <https://www.countryinns.com/council-bluffs-hotel-ia-51501/iacbluff>.

Registration Information

Online Registration:

<http://www.continuetolearn.uiowa.edu/UIConferences/meetings.aspx?cnfcode=16-320-01>

OR

Paper Registration

Complete and mail the registration form on the last page of this brochure. The address is below.

Registration Fees:

\$190 Full Registration- Conference Track (Tuesday, Wednesday & Thursday)

\$95 Single Day Registration (Wednesday or Thursday)

\$150 Full Conference or \$75/day Student (must show student ID) or Independent Producer

\$10 Each Workshop only (Tuesday Immigrant Worker Health, Thursday Anhydrous Ammonia Safety)

Full Conference registration includes both pre and post conference workshops. The workshops are open to those who wish to only attend one of workshops, including lunch. **The registration deadline is Monday, November 15, 2018.**

Registration fees include all program materials, instruction, lunch, and refreshment breaks. Full registration includes both the pre-conference immigrant workers workshop and the anhydrous ammonia workshop on November 29. To attend only one of the workshops, the fee is \$10.

Meals are included in full or single day registration fees, but we need to know which events you plan to attend in order to have meals and the appropriate space reserved for you. **Please indicate on the registration form** which of the following events you plan to attend:

Tuesday, November 27 lunch

Wednesday, November 28 buffet lunch (regular or student careers)

Wednesday, November 28 poster reception

Thursday, November 29, Luncheon

Thursday, November 29, which workshop

Payment methods: check or credit card.

Mail to: UI Center for Conferences

250 CEF

Iowa City, IA 52242

FAX: 319-335-4039

Registration questions: Contact the Center for Conferences @ 319-335-4141 or conferences@uiowa.edu

Cancellation Policy

If your registration is cancelled before the November 5 deadline, the registration fee will be refunded, less a \$25 administrative fee. After November 15, please transfer your registration to another attendee or call the Center for Conferences at 319-335-4141 to donate your registration to a student attendee or non-profit organization.



Due November 15, 2018

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Name:		Profession:	
Degree:		Employer:	
Address:			
Phone:		Email:	
Type of CEU Preferred: <input type="checkbox"/> General <input type="checkbox"/> Nursing (applied for) <input type="checkbox"/> Other _____			
If Requesting CEUs:			
Employer type:		Last 4 digits of SSN	
Birth month:		Birth day:	
License number:		License state:	
Registration Fees:			
Conference Registration: (Tuesday, Wednesday, Thursday)		<input type="checkbox"/> \$190 Full Conference <input type="checkbox"/> \$95 Wednesday only <input type="checkbox"/> \$95 Thursday only	
Student (ID) or Independent Producer :		<input type="checkbox"/> \$150 Full Conference <input type="checkbox"/> \$75 Wednesday only <input type="checkbox"/> \$75 Thursday only	
Workshops: There is no additional charge for full conference attendees, \$10 charge per workshop if attending only the workshop and not the conference.		<input type="checkbox"/> Nov 27 Immigrant Farmworker Health Workshop noon. – 4:00 pm Tuesday, <input type="checkbox"/> Nov 29 Anhydrous Ammonia Safety Workshop. 1:00 –2:30 pm Thursday, <i>Each of these workshops cost \$10 unless attending full conference</i>	
The events/meals below are included in your registration fee, but we need to know which events you plan to attend in order to have meals and the appropriate space reserved for you. Please indicate which of the following events you plan to attend:			
<input type="checkbox"/> November 27 Preconference Immigrant Farmworker Health luncheon <input type="checkbox"/> November 28 Student Career Luncheon <input type="checkbox"/> November 28 conference luncheon <input type="checkbox"/> November 28 poster/exhibit reception <input type="checkbox"/> November 29 Awards luncheon/Anhydrous Ammonia Safety workshop and luncheon <input type="checkbox"/> Special Dietary Needs: _____			
Make checks payable to UI Center for Conferences		TOTAL = _____	
Credit card: VISA <input type="checkbox"/> Mastercard <input type="checkbox"/> Discover <input type="checkbox"/>			
Card No:		Exp Date:	CCID:
Name on card:			
Street Address:		City:	
State:	Zip code:	Signature:	
Mail registration form to: UI Center for Conferences 250 CEF, Iowa City, IA 52242 FAX to: 319-335-4039 Phone: 800-551-9029		Registration Questions? Contact UI Center for Conferences at 319-335-4141 or 800-551-9029 Program Questions? Contact Gayle Olson, gayle-olson@uiowa.edu or 319-931-1351	