

The UMASH Connection Farms and People

A newsletter of the Upper Midwest
Agricultural Safety and Health Center



umash.umn.edu

Volume 21
Summer 2019

Upper Midwest
Agricultural Safety
and Health Center
University of Minnesota

umash.umn.edu

umash@umn.edu



Like us on Facebook



Subscribe to our
YouTube Channel



Follow us on Twitter

ONE HEALTH IN
AGRICULTURAL
SAFETY AND HEALTH



NOTHING VENTURED – NOTHING GAINED

English proverb (c. 1374)

The arrival of August can be bittersweet - the end of summer, the return of school and schedules and the shorter days of fall and winter on the horizon. We took time to reflect on our recent work, projects and relationships that will lead to more opportunities. One could say that UMASH **ventured out and gained momentum** to become a valued resource for the agricultural community.

UMASH and Farm Bureau Financial Services joined together at Farmfest 2019 to offer the **Wellness and Safety Pavilion**. This combined effort brought health screenings, live safety and rescue demonstrations and a tent of exhibitors providing relevant information directly to the agricultural community of farmers, farm families and farm workers. (see *article on page 2*).

Another venture for UMASH was to provide **resources for teachers to incorporate safety and health education into the classroom**. We know that safety and health education is not widely taught in the classroom. UMASH addressed this need by aggregating relevant curriculum, lesson plans, and resources along with tips for how to incorporate these into the classroom. This resource provides a “go to” plan for teachers to bring these important topics to the next generation of farmers and agricultural professionals

The agricultural community faces continued uncertainty, motivating UMASH to facilitate work around stress and mental health in agricultural communities. Three **partner projects** had an international reach into agricultural communities, with a focus on women and young adults. In addition to developing the “**Signs and Symptoms of Stress**” resources, the projects have focused on building community capacity and skills, and starting conversations around mental health and stress. Forty-eight states and 5 Canadian provinces have been reached, with additional international presence in the works.

We have several **new safety videos for swine producers and youth showing animals at fairs**. (see *page 3 for links*) As always, these resources are free to download and use for education and training.

More to come in the new year as we continue to move forward in an effort to provide resources and education to farmers, farm families and agricultural workers. Keeping in mind, **nothing ventured, nothing gained**.

INSIDE THIS ISSUE

UMASH Highlights	1
Minnesota Farmfest	2
Animal Handling Spotlight	2
Featured Resources	3
New Swine Videos	3
Opportunities	4
Publications and News	4
Upcoming Events	4

2019 UMASH ANNUAL FORUM

ANTIMICROBIAL RESISTANCE IN AGRICULTURE: IS IT A WORKER HEALTH ISSUE?

THURSDAY, SEPTEMBER 26
1-4PM • UNIV OF MN
Attend in person or online

Online Registration Now Open!

umash.umn.edu/2019-annual-forum

NATIONAL FARM SAFETY
AND HEALTH WEEK
SEPTEMBER 15-21



DAILY TOPICS

MONDAY: Tractor/Roadway Safety
TUESDAY: Farmer Health, Opioids, Suicide Prevention
WEDNESDAY: Youth in Agriculture
THURSDAY: Confined Spaces
FRIDAY: Women in Agriculture

Follow Us



GET INVOLVED @ umash.umn.edu/nfshw-2019



UMASH leads effort to bring health, safety and wellness to Minnesota Farmfest.

Agricultural safety and health resources were highlighted in a new exhibition area at this year's Minnesota Farmfest, which was held August 6-8 in Redwood County Minnesota. The **Farm Bureau Financial Services Wellness and Safety Pavilion** featured live farm safety and rescue demonstrations; up-to-date agricultural safety and health information from more than 20 exhibitors; and free health screenings offered by the Mayo Clinic Health System in Springfield, the HealthFair11 Healthmobile and the Masonic Cancer Center at the University of Minnesota.

While the idea of providing resources, health screenings or demonstrations at a farm show isn't entirely new, bringing all three activities together in one dedicated area at Minnesota Farmfest resulted in a health and safety focus not previously found at this farm show. After seeing these activities at other farm shows in the region, UMASH approached the Farmfest show organizer IDEAg with a plan. Ultimately, approximately twenty-five health and safety organizations were recruited and participated as exhibitors, demonstrators and health care providers at MN Farmfest.

OVER THE THREE DAYS OF THE SHOW, THE FEATURED ACTIVITIES INCLUDED:



SAFETY AND RESCUE DEMOS

36 live safety and rescue demonstrations that were watched by nearly 900 show attendees, including a grain bin rescue, tractor rollover rescue, ATV rollover simulator and power take off (PTO) safety demonstration



FREE HEALTH SCREENINGS

189 show attendees received free health screenings for blood pressure, body mass index (BMI), glucose, and cholesterol. In addition, 50 show attendees were screened for skin cancer



WELLNESS AND SAFETY

Over 20 exhibitors engaged with attendees to provide safety and health information on a range of topics such as healthy living, mental health and wellbeing, youth and families, business, equipment and roadway safety, and injury response.

The Wellness and Safety Pavilion was sponsored by **Farm Bureau Financial Services** with additional support provided by the **MN Department of Health** and the **MN Department of Agriculture**. Through UMASH's collaboration with the show organizers, sponsors, exhibitors, demonstrators and health care providers, Minnesota's farmers, family members and agricultural professionals were given ready access to information, resources, demonstrations and health screenings to keep themselves and others safe and healthy on the farm.

LEARN MORE AND SEE A FULL LIST OF EVENTS AND EXHIBITORS AT:

umash.umn.edu/farmfest

AG HEALTH AND SAFETY SPOTLIGHT

Calm handlers = Calm cows

Low stress or positive animal handling is a key initiative of UMASH.

UMASH Co-Director, Jeff Bender, was a featured speaker at the 2019 Upper Midwest Dairy Industry Association. His talk focused on calm, thoughtful working with cattle.

DR. BENDER STRESSED THREE MAIN POINTS WHEN WORKING WITH DAIRY COWS:

- ✓ reduction of injuries with low stress animal handling techniques,
- ✓ training programs for immigrant health workers, and
- ✓ typical injuries of dairy workers.



⇒ READ THE SPOTLIGHT STORY AT: umash.umn.edu/calm-handlers-calm-cows

FEATURED RESOURCES

Worker Protection Standard Farm Safety Check

Working with pesticides is a regular occurrence for many individuals involved with agriculture. While working with pesticides may be inevitable, incidental exposure and injury does not have to be.

The Worker Protection Standard (WPS) requires that both agricultural employers and workers take active steps to prevent incidents from occurring by complying with minimum safety requirements.

DOWNLOAD THE FARM SAFETY CHECK AT:

umash.umn.edu/farm-safety-check-worker-protection-standard



Ag Educator Resources

UMASH has compiled a list of resources to assist teachers with incorporating agricultural safety and health into the classroom during the academic school year.

Resources include lesson plans, awareness events, a planning template, and additional resources on a variety of topics.

ACCESS THE RESOURCES AT:

umash.umn.edu/AgEd



4H Videos on Food Safety and Biosecurity

UMASH, Minnesota 4-H, and the Minnesota Department of Health joined together to produce two new training videos for 4-H clubs on the topics of biosecurity and food safety when exhibiting and working at county fairs.



KEEP FOOD SAFE - 4H FOOD STAND WORKER TRAINING



6 TIPS FOR BIOSECURITY - A GUIDE FOR YOUTH LIVESTOCK EXHIBITORS

NEW! SWINE VIDEOS

UMASH worked with our partners at the National Pork Board, the College of Veterinary Medicine Swine Program and the Southern Research and Education Center at Waseca, MN to develop **two new training videos** addressing sow handling and biosecurity measures to prevent the flu.

These videos are available in English and Spanish and are designed as training tools for employees.

⇒ LEARN MORE AT:

umash.umn.edu/spotlight-keeping-pigs-and-people-safe



OPPORTUNITIES

Women in Sustainable Agriculture Conference

OCTOBER 17-19 • St. Paul, MN

Connect with women from across the country who work in sustainable ag to exchange ideas, discover resources, and network. Workshops cover leadership skills, personal growth, farm business success, and more.

⇒ mosesorganic.org/events/wisa-conference



**WOMEN IN
SUSTAINABLE AG
CONFERENCE**

Agricultural Safety & Health Council of America (ASHCA)

Raising Safety 2020: Cultivating a Culture of Safety

CALL FOR ABSTRACTS FOR POSTER SESSION

SUBMISSION DEADLINE: November 20

The ASHCA Poster Session will provide a forum for conversation and collaboration among researchers, educators, risk managers, and agriculture industry leaders.

⇒ ashca.org/2020-safety-summit



RECENT PUBLICATIONS AND PROJECT NEWS

Carrie Klumb receives 2019 SPH Emerging Leaders Award

Congratulations to Carrie Klumb, Epidemiologist with the Minnesota Department of Health, who was recently recognized by the School of Public Health and received the 2019 Emerging Leader Award. Carrie's work with UMASH has focused on surveillance and measuring the burden of disease with zoonotic pathogens. [LEARN MORE](#)

PUBLICATIONS

- » **Simulation of Hydrogen Sulfide Emission from Deep-Pit Manure Storage During Agitation.** Hongjian Lin, Weiwei Liu, Jing Gan, Yuchuan Wang, Bo Hu. *Transactions of the ASABE*. 61(6): 1951-1967.
- » **Economic Evaluation and Systematic Review of Publicly Available Workers' Compensation Practice Details and Mod Rate Calculators Applied to Upper Midwest Agriculture.** Bryan Weichelt, Anita Alves Pena, Jeffrey Joyce, Matthew Keifer. *Journal of Agromedicine*,
- » **Development of an Occupational Health Safe Return to Work Prototype Application and Ergonomics Dataset for Agricultural Tasks.** Bryan Weichelt, William Ray, Matthew Keifer. *Safety* 2019, 5, 40.

GET CONNECTED



Let's get social! Stay connected with UMASH on social media.



@umashcenter



@umash_umn



@umashcenter



Join Email List

UPCOMING EVENTS

Mental Health Awareness at
Dan Patch Park - MN State Fair

August 26
St Paul, MN

2019 National Farm Safety and
Health Week

September 15-21

2019 UMASH Annual Forum

September 26
St. Paul, MN (or online via Zoom)

Women in Sustainable Agriculture

October 17-19
St. Paul, MN

National FFA Convention

October 30 - November 2
Indianapolis, IN

Midwest Rural Agricultural Safety
and Health Conference (MRASH)

November 13-14
Marshalltown, IA

Minnesota Farm Bureau

LEAP Conference

January 31 - February 1
Bemidji, MN

Agricultural Safety and Health
Council of America (ASHCA)

March 19-20, 2020
Las Vegas, NV

Learn more and view full event list at:
umash.umn.edu/upcoming-events