



Protecting the People Who Feed the World



TOTAL FARMER HEALTH™



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 **Facebook:** www.facebook.com/agrisafe.network/

 **Twitter:** @AgriSafeNetwork

 **LinkedIn:** www.linkedin.com/company-beta/8860591

AgriSafe is dedicated to training health and safety professionals who are prepared to serve the unique health care needs of farmers. We utilize innovative technology to deliver the best training by experts in the field.



Protecting the People Who Feed the World

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info@agrisafe.org



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A photograph of Neil Mylet, a man with short brown hair, smiling. He is wearing a black and white jacket. He is standing in front of a red piece of machinery, possibly a combine harvester, in a field at sunset. The sun is low on the horizon, creating a warm orange glow.

Neil Mylet, Chairperson

Founder/CEO, LoadOut Technologies, LLC

A graphic consisting of a green background with a white and blue arrow pointing to the right.

A MESSAGE FROM THE EXECUTIVE DIRECTOR & CHAIRMAN



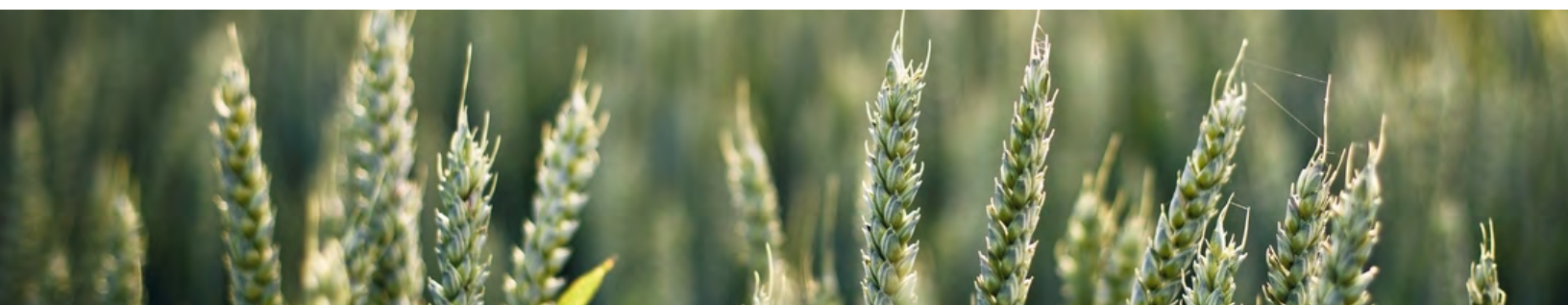
Natalie Roy, MPH
Executive Director

2016 was a year of growth, exploration and innovation for the AgriSafe Network. People say it takes a village to raise a child. We believe it takes a village to ensure *Total Farmer HealthSM*. Our accomplishments were realized because our “village” expanded and included young adults.

The AgriSafe Young Advisors Council (AYAC-page 9) was launched with representation from young adults across the country. They were formed to remind us that our work must hit the mark for the generation we expect to impact. Since so much of our programming in 2016 was geared for the young farmer, it

was logical to formally engage them in our work. For example, our interns (highlighted on page 18) provided valuable insight and energy to help us reach our goals of promoting *Total Farmer Health* and advancing our trainings to rural nurse practitioners.

Youth can be dramatic “change makers” when matched with meaningful causes. AgriSafe welcomes volunteers who believe that they can be positive agents of change. Our hope is that you will connect with us and raise our ability in “Protecting the People who Feed the World.”



BOARD OF DIRECTORS



Denise Andress RN

Director
ND Western Area AHEC



Olga Reuvekamp

Director
MN Agriculture & Rural
Leadership (MARL)
SW Minnesota State University



Amy Liebman MBA, MPA

Director
Environmental &
Occupational Health
Migrant Clinicians Network



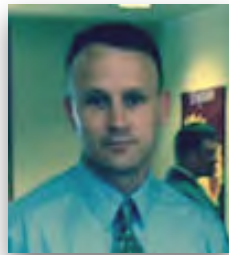
Debra McCallum, PhD

Treasurer
Sr. Research Scientist Director
Institute for Social Science
Research
University of Alabama



Risto Rautiainen,

Professor, College of
Public Health
Nebraska Medical Cntr
University of Nebraska



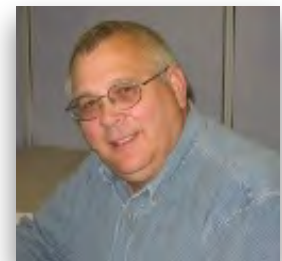
Heath Woockman

Major
US Air Force Health
55th Aerospace
Medicine Squadron



Allison Cassidy MPH, PMP

Program & Outreach Manager
High Plains Intermountain Center
for Agricultural Health & Safety
Colorado State University



William "Lee" Hipp, BS, AS

Engineer
Farm Safety & Loss Prevention
AgriServices Agency



Teresa Andrews, MS

Education & Outreach
Specialist
Western Center for Ag
Health & Safety
University of California



Ann K. Carruth, DNS, RN

Dean And Professor of Nursing
College of Nursing and Health
Sciences
Southeastern Louisiana
University



Anne Marie Heiberg

Drammen Area, Norway



Mike Keenan, CHST

Vice-Chairperson
Consultant
Loss Control / Safety Services
Gallagher / Grace Mayer
Insurance



Shari Burgus, M.ED, EdS

Secretary

Date

TOTAL FARMER HEALTHSM



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TOTAL FARMER HEALTHSM

AgriSafe launched Total Farmer HealthSM August 2016, as a campaign to recognize the unique challenges producers and ranchers face. The Total Farmer HealthSM approach demands attention to occupational hazards as well as individual, social and mental health components that could impact a farmer's health and well-being. Our goal is to assist in the proper training of health professionals in Total Farmer HealthSM, so that they are well positioned to serve the occupational health needs of farmers. Areas of impact may include: reduction in rates of hearing loss, pesticide exposures, respiratory health conditions, skin cancer and zoonotic disease. AgriSafe has always been ambitious in advocating for a workplace that can also be a safe, healthy and rewarding .

NIOSH Total Worker Health® Affiliate Program

This collaborative agreement was made between the National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC), U.S. Department of Health and Human Services, and the AgriSafe Network for the purpose of engaging in mutually beneficial activities to advance the goals of the NIOSH Office for Total Worker Health® and promote the safety, health, and well-being of workers.

AgriSafe was recognized by NIOSH as an affiliate of Total Worker Health in August 2016.



TOTAL FARMER HEALTHSM

TOTAL IMPACT

Stronger Together



50+ PARTNERSHIPS

- National Education Center for Agricultural Safety (NECAS)
- USDA, NIOSH, and HRSA
- Agribusiness
- Media
- Universities
- Extension
- Rural clinics
- NPOs
- Farm media

TRAINING IMPRESSIONS

- 1088 webinar participants
- 104 AgroMedicine Course-professionals
- 778 Onsite trainings of Employers and Employees



97% of the people who completed the post-webinar evaluation indicated they learned something new.

TOTAL REACH

DIGITAL FOOTPRINT

- ▶ 11,859 Users visited our website
- ▶ 7,737 New users to our website
- ▶ 2,499 Read AgriSafe in Action Newsletter (154% increase)



421
2015



757
2016

AGRISAFE YOUNG ADVISORS COUNCIL



ADVISORS FROM: ALABAMA, KENTUCKY, PENNSYLVANIA, NEW YORK, SOUTH CAROLINA & TEXAS

2016 -2017

Young Advisors

Alexis H.
New York

Ben G.
New York

Hannah M.
Kentucky

Jacob K.
Pennsylvania

Jagger M.
Alabama

Katelyn H.
Texas

Lillian N.
South Carolina

The AgriSafe Young Advisors Council (AYAC) are rural leaders between the ages of 16-23, who volunteer with an interest in representing perspectives of youth in agriculture.

AYAC is charged with assisting AgriSafe to design and launch educational initiatives that can reduce farm



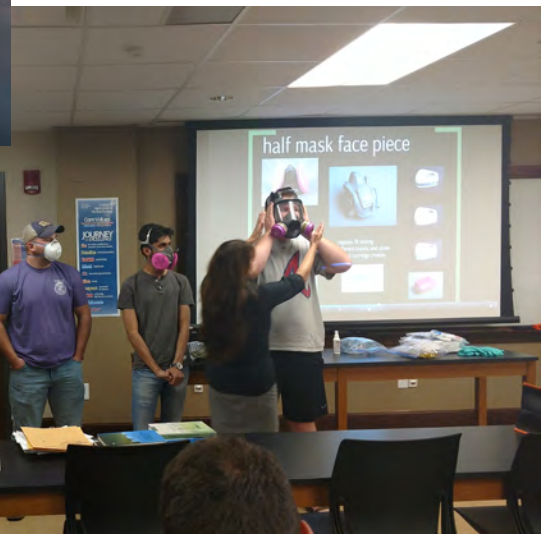
1264 YOUNG WORKERS TRAINED

AgriSafe's Susan Harwood Training initiative is based on the premise that young agricultural workers are faced with the same hazards as adults. As a result, they are likely to suffer from increased rates of respiratory diseases, noise-induced hearing loss, skin disorders, chemical toxicity, and heat-related illnesses.

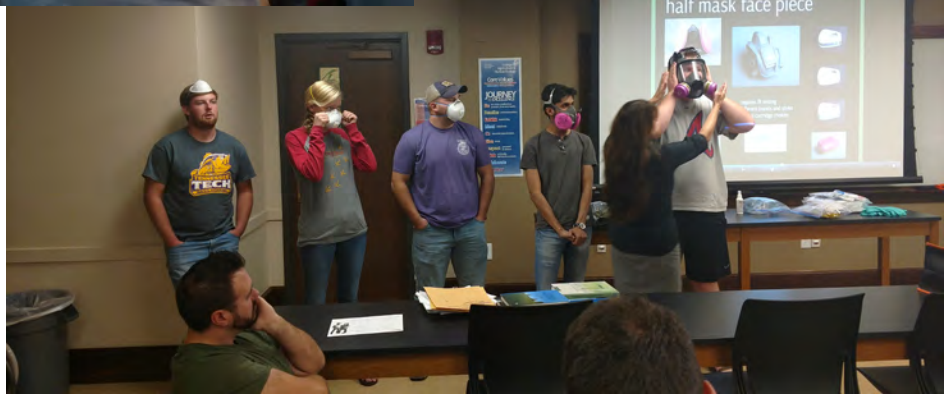
Effective trainings with young workers must be delivered at locations they are normally found-such as FFA classrooms or the business site during work hours.

During 2016, AgriSafe built training capacity by:

- ▶ Forming a council made up of young farmers aged 16-23 years
- ▶ Staying informed on current standards set forth by OSHA and other federal agencies that can impact the health and safety of young farmers.
- ▶ Training 1,264 Young Workers On-site and through Distance Learning
- ▶ Conducting Trainings resulting in 1,264 Contact Hours with Young Ag Workers
- ▶ Launching two new website pages with dedicated content to young workers



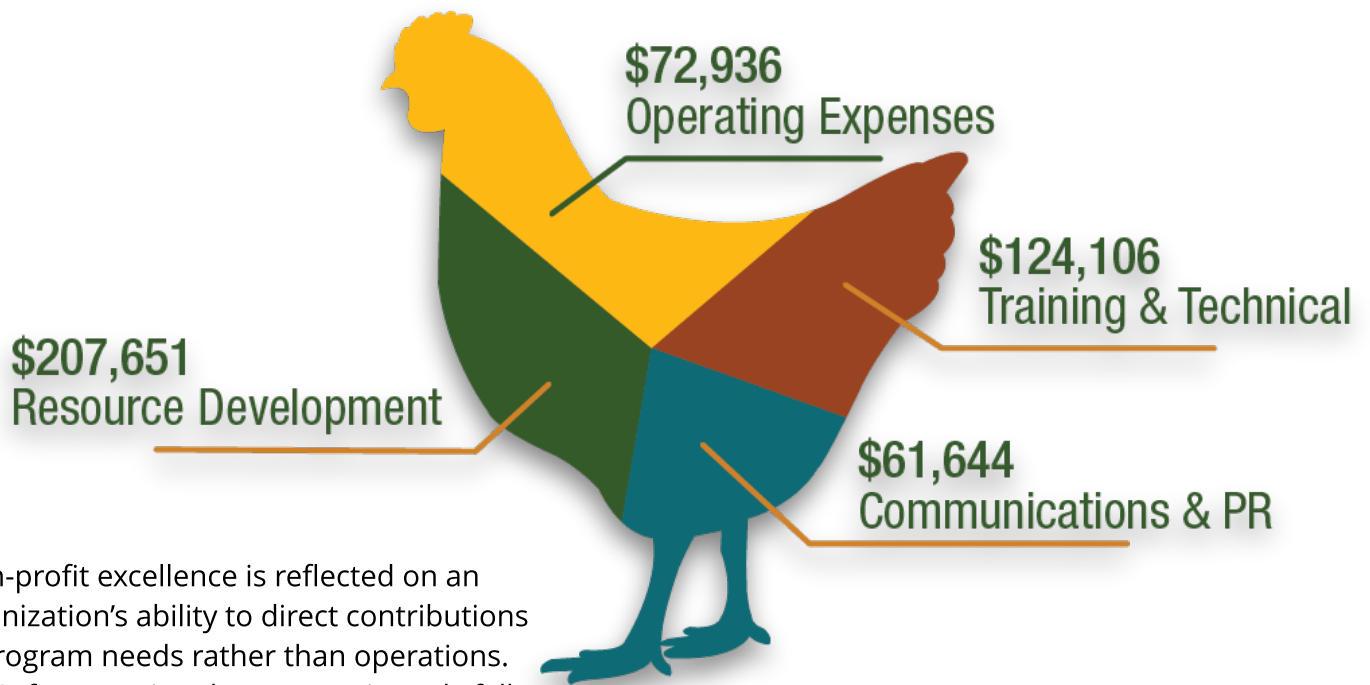
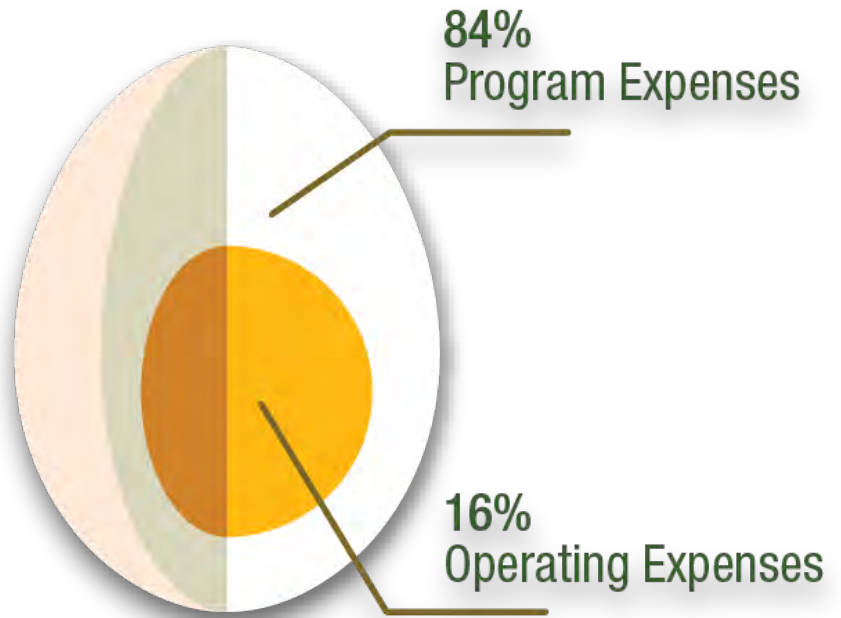
This material was produced under a grant (SH-29625-SH6) from the Occupational Safety and Health Administration, U.S. Department of Labor. It does not necessarily reflect the views or policies of the U.S. Department of Labor, nor does the mention of trade names, commercial products, or organization imply endorsement by the U.S. Government.



2016 FINANCIAL STATEMENT

SUPPORT AND REVENUE

Grant Income.....	\$ 432,684
Membership Dues.....	\$ 11,784
Miscellaneous Income.....	\$ 33,398
Interest.....	\$ 150
TOTAL SUPPORT & REVENUE.....	\$ 478,016
TOTAL EXPENSES.....	\$ 466,318
Change In Net Assets.....	\$ (71,616)
Net Assets at Start of Year.....	\$ 187,731
Net Assets at End of Year.....	\$ 116,116



Non-profit excellence is reflected on an organization's ability to direct contributions to program needs rather than operations. AgriSafe operational costs consistently fall under 20% of the total budget with the most recent year operating at only 16% of the total budget.

AGRISAFE ORGANIZATIONAL MEMBERS



AGRISAFE STATE AFFILIATE MEMBERS



VT Farm Health Task Force

IN THE FIELD

Carolyn Sheridan, RN,BSN-Clinical Director



2016 proved to be a year of growth and collaboration. The **Invest in Your Health** program expanded into two Canada provinces with a successful first year of programs in colleges in Saskatchewan and Alberta. I was fortunate to present at three international conferences and networked with ag health and safety professionals from around the globe. AgroMedicine courses I instructed with leaders in Vermont, Great Plains Center, CS-CASH and ISASH increased AgriSafe's visibility within the ag health and safety community. Pilot grant funding from two Ag Centers focused education of air sampling practices for college students and increasing the competency of Advance Practice Nurses in the rural community. I look forward to expanding AgriSafe's impact in the field of agricultural occupational health.

Knesha Rose- Davison, MPH - Health Communications Coordinator



My first year at AgriSafe has been a whirlwind. I began May 2, 2016 and from there published my first edition of *AgriSafe in Action* within my first couple weeks. I attended my first ISASH Annual Conference, followed by a very timely and intense AgroMedicine Training course, which I received a scholarship to attend. During the summer of 2016, Louisiana and other parts of the US were facing several natural disasters and AgriSafe got busy, looking for resources for farm families. We quickly identified a lack of solid recommendations for flood response and produced the only known **Farm Flood Health** resource.

I learned from my colleagues and affirmed my dedication to serve the public health needs of farmers across our nation.

Charlotte Halverson, BSN, COHN-S - Occupational Health Nurse



2016 was a year of innovation and I was proud to lead the design of our new initiative **Total Farmer Health** SM. Modeled after the National Institute for Occupational Safety and Health (NIOSH) Total Worker Health, AgriSafe became a NIOSH affiliate in August of 2016. NIOSH recognized our commitment to advancing the safety, health and well being of agricultural producers. AgriSafe is at the forefront of predicting and responding to emerging issues which is why I exhibited at the Farm Progress Show in Boone Iowa. The opportunity to speak with hundreds of ranchers and farmers fuels the development of services and programs to meet changing needs in these populations.

Stacey Jenkins, BS-Distance Education Coordinator



Training health and safety professionals through distance education is the core function of my role with AgriSafe. For over eight years I have increased AgriSafe's training impact and striven to secure diverse topics that represent the changing agricultural industry. AgriSafe's success in the field of distance education is due to professional volunteers who share their knowledge through a web based learning platform. In this annual report we have highlighted our 2016 speakers and recognize their contributions to the field. Additionally, I provide content and organizational support for the AgriSafe.org website. Our digital footprint is essential to growing our mission.

David Sullivan, Adv Dip FBM- Agriculture Safety Specialist



In 2016 my work primarily focused on the Canadian expansion of the **Invest in Your Health** (IYH) Program. Our international team collaborated well and advanced the program to meet the needs of Canadian farmers. The Canadian **Invest in Your Health** program exceeded the pilot grant numbers of 100 with all professors requesting the program in the future. I attended several international conferences which gave me the ability to learn new ways of delivering the **Invest in Your Health** message. October was a very busy month for us as we delivered training at Tennessee Tech then drove up to Indianapolis to attend the FFA convention with six other Ag safety organizations. At FFA we reached over 500 students which I believe was a massive success! I am very glad that this is only once a year so I have time to get my voice back.



MENTAL HEALTH AND THE IMPACT ON WELLNESS
For Farm Families

Many of the factors that affect agricultural production are largely beyond the control of the producer. Good health, including mental health, is a key factor that contributes to one's ability to keep farming.

Twenty percent of any population has mental health complications, including farmers and ranchers. Signs and warning symptoms associated with mental health issues may mean that many people do not seek out available behavioral health services.

SYMPTOMS OF POOR MENTAL HEALTH

- Persistent worry and fear
- Apprehension and pessimism
- Avoidance of others
- Feeling sad
- A lack of interest or pleasure in activities
- Significant weight changes—change in appetite
- Problems sleeping
- Loss of ability to do usual work
- Loss of energy
- Difficulty concentrating
- Thoughts of death or suicide
- Substance misuse
- Loss of interest or pleasure in usual activities or behavior

EXPERIENCING ANY OF THESE SYMPTOMS? Take the Two-Question Self-Assessment Tool!

1. During the past two weeks, have you often been bothered by feeling down, depressed, or hopeless? Yes No
2. During the past two weeks, have you often been bothered by little interest or pleasure in doing things? Yes No

"If you have a positive response to either of these questions, consider talking to your health care provider about further assessment. You can also access self-screening tools by visiting <http://www.mentalhealthamerica.net/mental-health-screening-tools>

WHEN YOU TALK TO YOUR HEALTH CARE PROVIDER:

- Be proactive: ask about potential signs of stress, anxiety, or depression.
- Speak openly about stressful issues in your work and home life.
- Be familiar with your family medical history related to depression or other contributing behavioral health.
- List any prescriptions and over-the-counter medications you take.
- Be aware of smoking habits and alcohol intake.
- Inquire about a referral for a mental health specialist.
- Know what your insurance coverage may (or may not) be for evaluation of mental health care.

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MENTAL HEALTH AND WELLNESS

Many of the factors that affect agricultural production are largely beyond the control of the producer. Good health, including mental health, is a key factor that contributes to one's ability to keep farming.

This resource includes Symptoms of Poor Mental Health, Factors Impacting Wellness, Warning Signs, When to Speak to your Provider, and Where to Seek Help.

Determine Your Head to Toe Protection

Name: _____ Date: _____

Agriculture Exposures

- Insects
- Heat
- Noise
- Molds
- Fumes
- Dust
- Fungus
- Tobacco
- Sleep
- Gears
- Cold
- Pesticides
- Vegetables
- Fuel
- Cotton
- Other

Lungs

NIOSH approved respirators are used to protect the lungs. They filter out dust, dirt, and other particles that can irritate the lungs. Understand your employer's and read labels to determine when you need to use.

To protect myself I need:

Body

Sun safety comes with SPF of at least 30. It is also important to wear protective clothing, hats, and sunglasses. Use long sleeves and long pants to protect from pest-borne chemicals.

To protect myself I need:

Head

When exposed to impact and penetration hazards in an agricultural setting, the ANSI Standard Z89.1-2014 for safety helmets must be used. For full protection wear sun-protective gear if you are outdoors.

To protect myself I need:

Ears

Hearing protection plugs or muffs are required to wear above 85 decibels (dB).

To protect myself I need:

Eyes

Safety glasses or goggles that meet ANSI Z87.1 NIOSH Standard. When exposed to eye hazards that could injure or irritate the eyes.

To protect myself I need:

Feet

Choose work shoes for the job and inspect them to meet the ASTM F-2412-2005 and ASTM F-2413-2008 standards.

To protect myself I need:

AgriSafe Network logo

HEAD TO TOE PROTECTION WORKSHEET

Selection of Proper Personal Protective Equipment can be a challenge for those working in agriculture, responsible for various tasks. This worksheet, will help determine exposures and match with PPE for those tasks from head to toe.

ONLINE RESOURCES

AgriSafe Network Resources page showing various links and information for farm families.

AgriSafe Network 'What should I wear?' page featuring a video titled 'Dress for Success (PPE) for Farm' and a link to 'Cover Up! Head to Toe Personal Protective Equipment (PPE) for Farm'.

AgriSafe Network 'Say What?' page featuring a video titled 'Protecting Your Hearing' and a link to 'How to Protect Your Hearing'.

New! E health learning tools focusing on hearing loss prevention and personal protective equipment were developed in 2016 targeted at young workers in agriculture. Also, our resources and provider pages were reorganized to better serve farm families.

AGRISAFE PRESENTATIONS

Trainings that Optimize Employee Health, Safety and Productivity

Innovation in High School Safety and Health Instruction

Take Charge of Your Health - Women Working in Agriculture ;

Head to Toe Protection in Agriculture

January 9-12, Orlando, FL -2016 Annual AFBF Convention & IDEAg Trade Show

Agricultural Medicine and Occupational Safety Training

April 25 -29, Middlebury, VT- Vermont Farm Health Task Force

Innovation in Agricultural Health and Safety College Curriculum

May 11-12, Minneapolis, MN -2016 National Rural Health Association

Minimizing Transmission of Infectious Diseases During Outbreaks: Public Health Protection for You and Your Workforce

May 23- 27, Minneapolis, MN- University of Minnesota - Summer Public Health Institute

Agricultural Medicine: Occupational and Environmental Health for Rural Health Professionals

June 16-17, Iowa City, IA- Great Plains Center

Successful Customization of Invest in Your Health for Canadian Agriculture College Students

Innovation in High School Safety and Health Instructions

Development of Rapid Response Guidelines: Using ISASH Conference Participants as Real-Time Developers

From Past to Future: Education for Agricultural Safety and Health Professionals

June 26-30, Lexington, KY- International Society for Agricultural Safety and Health Annual Conference

Agricultural Health and Safety for Healthcare and Safety Professionals

July 14-15, Omaha, NE- UNMC College of Public Health

63rd Farm Progress Show Demonstrations on Appropriate Respiratory Protection

August 31-September 1, Boone, IA

AgriSafe Network Healthier is Here

August 24-26, Billund, Denmark-2016 Nordic Meeting on Occupational Health and Safety

Fall Harvest Safety Day

August/September (Multiple Dates)-Peosta, IA

Midwest Regional Ag Safety and Health Conference (MRASH)

November 15-16, Sioux Center, IA

Date



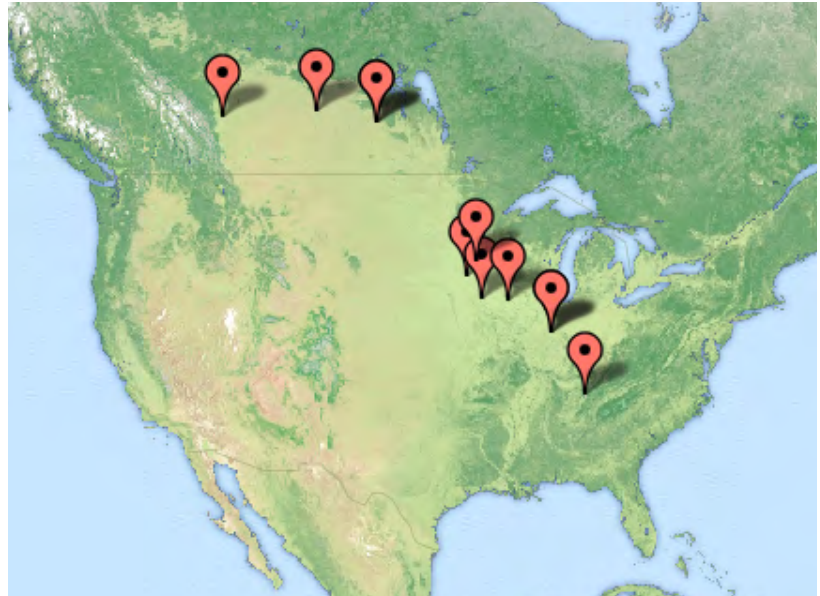
Invest in Your Health
Educate. Prevent. Protect.

The AgriSafe Network collaborates with two and four year agricultural colleges to provide AgriSafe occupational health and educational services designed for college Ag students.

Our goal through the *Invest in Your Health* program is to empower students to recognize agricultural health and safety risks and become their own health advocates.

Based on students' agricultural exposures we equip them with a tool kit that will help them stay healthy and safe in their work environment. This tool kit includes a combination of an interactive lecture, demonstration of personal protective equipment, health screenings and review of appropriate resources.

TRAINING LOCATIONS



600+ Students

trained in US

Canada Expansion

100+ Students

first year expansion

THANKS TO OUR U.S. PARTNERS!



GENEROUS SPONSORS MAKE REAL WORLD IMPACT



CHS Foundation



THANKS TO OUR CANADIAN PARTNERS!





2016 INVITED WEBINAR SPEAKER'S

AgriSafe Network gratefully acknowledges the expertise and time that each of these speakers dedicated to present an educational webinar. We appreciate your partnership!

Increasing the Use of Hearing Protection Among Farmers: Research on Best Practices

Marjorie McCullagh, PhD, RN, FAAOHN, FAAN
University of Michigan School of Nursing

Risk Perception and PPE Provision among Thoroughbred Farm Management

Jessica Miller Clouser, MPH,
University of Kentucky College of Public Health/
Southeast Center for Agricultural Health and
Injury Prevention

Don't Get Stuck! Preventing Needlestick Injuries in Agricultural Settings

Jeff Bender, DVM, MS DACVPM
College of Veterinary Medicine, University of
Minnesota
Page

Agritourism: The Next Frontier in Agriculture

Carrie Klumb, MPH,
Minnesota Department of Health

Risk Factors for Agricultural Injury

Risto Rautiainen, PhD
Department of Environmental, Agricultural &
Occupational Health, College of Public Health,
University of Nebraska Medical Center

Establishing a Low-Cost Surveillance System for Agricultural and Logging Injury in the Northeast

Erika Scott, PhD
Northeast Center for Occupational Health and
Safety in Agriculture, Forestry, and Fishing

Health Disparities of Immigrant Workers in Agriculture

Marc Schenker, MD, MPH

School of Medicine, Center for Environmental and Occupational Health, and Western Center for Agricultural Health and Safety, University of California at Davis

811 Before You Dig, For Safety's Sake

Khrysanne Kerr, Common Ground Alliance

Deanna Centurion, Cyera Strategies/Pipeline Operators for Ag Safety

Chris Thome, Rhino Markers/Pipeline Ag Safety Alliance

Kesley Tweed, Enbridge

Youth Agricultural Safety: Cultivating a Lasting Legacy

Bryan Weichelt, PhD

National Children's Center for Rural and Agricultural Health and Safety

Mark Mews, BS

Financial Strategies of Wisconsin

Optimizing Employee Health in Agribusiness

Michael Keenan, CHST

Arthur J. Gallagher & Co. Omaha office

This Is Our Brain on Stress

John Shutske, PhD

UW-Madison - College of Ag & Life Sciences, Biological Systems Engineering Department

Over **500** hours of professional volunteer time donated

” Thank YOU AgriSafe for providing this great opportunity for us to share our research. We have made two excellent connections as a result of this webinar – so it is a win/win/win! ”

**Ellen Duysen , MPH
Community Outreach Specialist- CS-CASH**

SPECIAL THANKS TO OUR INTERNS

"My time working at the AgriSafe booth at the 2016 Farm Progress Show was very beneficial and rewarding as a student working in public health! It was a great opportunity to educate the public about ways they can protect themselves from the dangers of farming,"



Jessica Semin, BSN



Sarah Hunt BAN, MSN, FNP-BC

Sarah Hunt (pictured outside right) is currently pursuing her DNP through Regis University and this past year, she has had the opportunity to partner with AgriSafe on a project regarding respiratory health in agriculture. She has many family members and friends who are part of the agricultural community, and because of this, she has a passion for improving the healthcare of agricultural producers.



AGRISAFE NETWORK

AgriSafe is an international organization representing health and safety professionals who strive to reduce health disparities found among the agricultural community.

The AgriSafe Network is a 501(c)3 charitable organization, and all donations are tax deductible to the extent allowed by law. The Network makes every effort to be fiscally responsible and transparent with funds.

