

Abstract: According to the Department of Labor, *Employers Guide to Young Workers*, young agricultural workers are faced with the same hazards as adults. Young adults are likely to suffer from increased rates of respiratory diseases, noise-induced hearing loss, skin disorders, chemical toxicity, and heat-related illnesses. Despite their risk, there are steps they can take to minimize or eliminate work related injuries and illness.

Young adults who perform important tasks on the farm are highly capable of following safe practices. Ensuring that safety messages are interactive, fun and practical can lead to positive behavior changes.

AgriSafe will share an innovative model of learning centered on live streaming in the high school classroom. AgriSafe uses *Prezi* software to develop presentations that align with the style of learning most commonly found among the younger generation (dynamic flow and movement through information). This year, AgriSafe in partnership with NECAS, will provide 1600 hours of training to over 800 young producers and 50 employers. Four new curriculums are offered:

1. **Cover Up!** -Ag Specific Personal Protective Equipment
2. **Taking Charge of Your Future**-Safe Farm Practices
3. **Say What?** Prevention of Hearing Loss
4. **Invest in Your Employees**-Understanding OSHA Standards as they Relate to Young Producers

Title: Safety Principles that Apply to Multiple Agricultural Tasks for Youth

Primary Presenter: Debra Erickson, Iowa State University: erickson@iastate.edu

Additional Authors: Shelly Campo, PhD, University of Iowa; Diane Rohlman, PhD, University of Iowa; Megan TePoel, MS University of Iowa

Learning Objectives:

1. Participants will be able to define three main safety principles all agricultural tasks include for youth workers.
2. Participants will be able to categorize aspects of existing practices into skill sets for youth workers.

Abstract: Young workers are more likely to have an injury on the farm than more experienced workers. Youth working in agriculture are able to work at younger ages and in more hazardous jobs than youth in other industries. Fatigue, substance use, and distracted behaviors are common risk factors that can impact safety, health and performance both on and off the job. Interventions directed towards supervisors and workplace policies can play a key role in reducing injuries and promoting health. The ultimate goal of this project is to develop a training for supervisors of young agricultural workers to keep their workers safe and healthy through better workplace training, enhanced communication and supervision, and the adoption of more workplace policies. As a first step, this project reviewed existing practice (i.e., Safety Guidelines for Hired Adolescent Farm Workers), model workplace policies (e.g., Model Policy: Youth

Employment in Agriculture), and the academic literature to look for workplace and supervisor recommendations that cut across work task. Results and recommendations from this review will be shared.

Session 3: Great View Room

Title: A summary of injuries reported at swine production companies

Primary Presenter: Jessica Evanson, DVM, MPH, Center for Animal Health and Food Safety – University of Minnesota

Additional Authors: Jeff Bender, DVM, MS, DACVPM, Center for Animal Health and Food Safety – University of Minnesota

Bruce H. Alexander PhD, Division of Environmental Health Sciences – University of Minnesota

Deirdre Green MS, Division of Environmental Health Sciences – University of Minnesota

Learning Objectives:

1. Identify the most commonly injured body parts as a result of animal interaction injuries.
2. Understand the types and distribution of insurance claims due to animal interaction injuries.
3. Review common data elements collected from swine company injury reports to improve consistency and completeness across data systems.

Abstract: Agriculture ranks among one of the most hazardous industries in the U.S., however little research has been done to characterize specific injuries in workers who raise food production animals. The objectives of this project were to characterize injury burden in swine production workers from swine production company's records and to identify opportunities and limitations of currently used data collection methods. Three commercial large swine production companies were enrolled. Analysis included a summary of claims from injuries receiving only medical treatment, injuries resulting in time-loss, and report only claims for the most common injury sources. The number of medical-only claims for Company A, B, and C were 101, 28, and 441, respectively. The number of time-loss claims was 41, 12, and 146, respectively. Time-loss claims resulted in a total reported amount of \$3,179,603 in costs. The most common source of time-loss injury was due to animal interactions (24.6%) and the most commonly injured body part was knees (28.6%). Results provide an initial assessment of the most common and costly injuries recorded at swine farms. Identification of the most costly injuries will help employers to better focus their resources when it comes to preventing these injuries.

Title: On-the-Farm Screening for Cardiovascular Risk Factors among Migrant Agricultural Workers in Southeast Minnesota

Primary Presenter: Tamim Rajjo, MD, MPH, Mayo Clinic: rajjo.tamim@mayo.edu

Additional Authors: Jennifer Rho, MD, MPH, Community Health Inc. ; M.Hassan Murad, MD, MPH, Mayo Clinic.

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Midwest Rural Agricultural Safety and Health Conference

SAFEGUARDING FARM LIVELIHOODS

Breakout Session Presenters and Topics

Tuesday, November 15, 2016

[Presentation Abstracts](#), pdf for download

Session 1: 1:00 – 2:00 pm

1. **Comprehensive Grain Safety Training Program & Resources.** Robert A. Aherin, PhD, CSP.
University of Illinois and Grain Handling Safety Coalition.

and illness.

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South
East Hall

1. **Cover Up!** –Ag Specific Personal Protective Equipment
2. **Taking Charge of Your Future**-Safe Farm Practices
3. **Say What?** Prevention of Hearing Loss
4. **Invest in Your Employees**-Understanding OSHA Standards as they Relate to Young Producers

2. **Safety Principles that Apply to Multiple Agricultural Tasks for Youth.** Debra Erickson, Masters in Agricultural Education student, Iowa State University.

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Session 3: 3:30 – 4:30 p.m.
