ASSE Virtual Meeting – January 17, 2013

FReSH: A New Frontier for Ag Safety & Health Resources
What is eXtension?

- An interactive learning environment delivering research knowledge from 74 universities from across the U.S. eXtension offers:
  - Credible expertise
  - Peer-reviewed, user-friendly resources
  - Reliable answers based on sound research
  - 24/7/365 access
  - Customized answers to users’ specific needs
Formation of FReSH

- FReSH was formed from members of the North Central Extension/Education Research Activity (NCERA 197) Committee
- FReSH addresses one of the NCERA 197 agenda goals to increase infrastructure support for agricultural safety and health
- Grant received in 2011 and official launch was March 1, 2012.
Funding Sources

United States Department of Agriculture
National Institute of Food and Agriculture
Leadership Team

- Richard Brzozowski – University of Maine
- Linda Fetzer – Pennsylvania State University
- Karen Funkenbusch – University of Missouri
- Kitty Hendricks – National Institute for Occupational Safety & Health
- Dee Jepsen – The Ohio State University
- Carol Jones – Oklahoma State University
- Dennis Murphy – Pennsylvania State University
- Michael Pate – Utah State University
- Cliff Racz – Purdue University
- Charles Schwab – Iowa State University
- Aaron Yoder – Pennsylvania State University
Content & Resources on FReSH

• Articles
  – Categories include 1) topics (subject matter), 2) educational and training programs, 3) national reference documents and visuals, 4) national resource organizations and 5) education and training presentations (programs without evaluation).

• Frequently Asked Questions

• Ask an Expert

• Online Certificate Course (e.g., AgSafety4u at http://campus.extension.org/)
Welcome! What's your local institution?
West Virginia State University
West Virginia University

Objective, research-based and credible information you can use every day to improve your life.

Webinar - Poultry break even calculator for small and backyard flocks
Learn how to use a spreadsheet for your backyard, small scale or medium-sized poultry enterprise with a free 80-minute Extension webinar to be held on Tuesday... > Read

Webinars by eOrganic
Live and archived webinars on organic farming and research. > Read

Recent Articles, News & Answers
- Not Too Early to Plan for Pollination of Crops and Flowers
- Don't let Hurricane Sandy debris go to waste
- Webinar - Poultry break even calculator for small and backyard flocks
- Who do I need to contact before I conduct a prescribed fire?
- Dairy Drought Resources
- Upcoming Webcasts - Livestock and Poultry Environmental Learning Center
- Drought Resources Content
- Families Food and Fitness Content
- "Ask an Expert"

Resource Areas
- Alerts
- Community
- Disaster Issues
- Energy
- Family
- Farm
- Health and Nutrition
- Lawn and Garden
- Pest Management
- Youth

www.eXtension.org
Click on **Farm** then **Farm Safety and Health**
http://www.extension.org/farm_safety_and_health
In This Resource Area

Resources
- Agricultural Safety & Health Educational & Training Programs
- National Ag Safety & Health Reference Documents & Visuals
- National Ag Safety & Health Resource Organizations

Topics
- Animal Safety
- Behavioral Health & Safety
- Chemical Safety
- Confined Space Safety
- Crops & Feed Safety
- Emergency Response & Safety
- General Farm & Ranch Safety
- Green Industry Safety
- Machinery & Equipment Safety
- Occupational Health & Safety
- Safety for Special Populations
- Safety for Structures & Landscapes
- Safety Research
- Traumatic Injury & Agricultural Safety

Answers from our Experts

How should I check for leaks in hydraulic hoses?

July 30, 2012

What is anhydrous ammonia and is it dangerous?

July 30, 2012

What is organic dust toxicity syndrome?

July 30, 2012

More...
Fires in the Home: Prevention and Preparedness

A fire can happen anywhere and at any time in a home. Fires and burns are the main causes of accidental injury deaths at home, with older adults and small children at the greatest risk. Careless smoking is the leading cause of accidental fires.

The recommendations in this article can help you reduce the risk of a home fire and prepare your family in the event of a fire. In addition to these recommendations, make sure that everyone in your house knows how to call 911 in the event of an emergency.

Smoke Detectors/Alarms
How should I check for leaks in hydraulic hoses?

Last Updated: July 30, 2012

When pinhole leaks develop in hydraulic lines, take the following steps to identify the locations of leaks and avoid injury:

- Before looking for the leak, shut off the power source to the hydraulic pump, and lower the implement to the ground.
- Relieve the pressure of the hydraulic system by moving the hydraulic control lever back and forth.
- To locate the leak, pass a piece of cardboard or mirror over the area where you suspect the leak.
- Fix the leak immediately.

**Never use your hand to check for a hydraulic leak.** Hydraulic fluid can be under pressures of between 1,000 and 3,000 pounds per square inch (psi). Fluid under this pressure can penetrate the skin, necessitating immediate medical attention.
http://campus.extension.org
Agricultural Medicine is a blended course designed for healthcare professionals, first responders, and others with responsibility for the health and safety of farmers and rural citizens. Participants will learn how to recognize, treat or prevent a variety of ag health conditions related to farming and forestry from taking this course. For more information contact Margaret Gilman at Margaret.Gilman@uvm.edu or Jeanne McCandless at vtfarmhealth@gmail.com.

AgSafety4u – Level 1 provides an overview of identification and control of hazards common to farms and agriculturally related rural businesses, focusing on hazards associated with machinery, structures, equipment, animals, chemicals and outdoor environment. Upon completion, Agricultural Employees, Employers and other rural workers who take the course will be able to: Describe principles of hazard identification and control and; Recognize hazards found on farms and in agriculturally related rural businesses. Teacher: Aaron M. Yoder, The Pennsylvania State University, ayoder@psu.edu

Search courses:
Welcome to the AgSafety4u - Level 1 training.
Review each Lesson and complete the Quiz at end of each Lesson.

You will need to earn a 70% or better on each quiz to print the certificate of completion. Each quiz may be retaken after a 1 hour waiting period.

1. Introduction
   - Introduction - Lesson 1
   - Introduction - Quiz

2. Safety Basics
   - Safety Basics - Lesson 2
   - Safety Basics Quiz

3. Agricultural Hazards
   - Agricultural Hazards - Lesson 3
   - Agricultural Hazards Quiz

4. The Tractor
   - The Tractor - Lesson 4
   - The Tractor Quiz
MECHANICAL HAZARDS 3.1

Introduction

There are many hazards in agriculture associated with mechanical equipment. Knowing every hazard of every machine is very difficult. For this reason, agricultural safety and health professionals group them in ways that help the operator recognize the different types of hazards regardless of the machine.

Your ability to recognize these hazardous components is the first step in being safe.

This lesson identifies groups of hazards, what the danger is, where the hazards may be found, and gives instruction for avoiding them.

Pinch, Wrap and Shear Points

A pinch point hazard is formed when two machine parts move together and at least one of the parts moves in a circle (Figure 3.1.a). These types of hazards are often found in power transmission systems such as belt drives, chain drives and gear drives. Avoid pinch points by keeping machine guards in place.
The Tractor
- The Tractor - Lesson 4
- The Tractor Quiz

Connecting and Using Implements with the Tractor
- Connecting and Using Implements with the Tractor - Lesson 5
- Connecting and Using Implements with the Tractor Quiz

Materials Handling
- Materials Handling - Lesson 6
- Materials Handling Quiz

Print Your Certificate
- AgSafety4U Course Completion Certificate

Restricted (completely hidden, no message): 'Not available unless you get a particular score in Course total. Not available unless you get a particular score in Introduction - Quiz. Not available unless you get a particular score in Safety Basics Quiz. Not available unless you get a particular score in Agricultural Hazards Quiz. Not available unless you get a particular score in The Tractor Quiz. Not available unless you get a particular score in Connecting and Using Implements with the Tractor Quiz. Not available unless you get a particular score in Materials Handling Quiz.'
CERTIFICATE of ACHIEVEMENT

This is to certify that

Aaron Yoder

has completed the course

AgSafety4u - Level 1

June 12, 2012

Course Grade: 79.00%

Assigned by: Aaron M. Yoder Email: nsmcp@psu.edu

Credit Hours:

Penn State Extension
How to Create an Online Course

Procedures for Establishing a Fee-Based Moodle Course w/eXtension

The following procedures are to be used when offering a fee-based Moodle course where fees are collected through eXtension’s PayPal account:

1. Request a Moodle course shell by sending an email to moodlehelp@extension.org. In the message include the title of the course, brief description, intended audience, and the teacher(s) of the course.

2. The Moodle help desk will verify that the teacher has an eXtension ID and has signed the individual contributor agreement. If those criteria are met, they will set up the course shell.

3. Develop, test, and review the course. During this time, the course will be categorized as “Under Development” in Moodle and not visible to the public.

4. When the course is ready to “go live,” complete the “Notice to Establish PayPal Payment” form (attached) and submit it to the office of the eXtension Executive Director. Simultaneously, send an email to moodlehelp@extension.org informing the Moodle help desk personnel of your intent to release the course. Include in that message the fee you wish to charge, along with a “back door” enrollment key (password) by which you can provide complimentary registration to those you choose.

5. Seeing the intent to charge a fee, the help desk personnel will contact the Executive Director’s office to verify receipt of the “Notice to Establish PayPal Payment” form. If all is in order, the help desk will check the settings on the course and re-categorize the course to a publicly accessible category. Course developers are then responsible for advertising the course to their intended audience.

6. All fees paid through PayPal will be collected by the eXtension Foundation. The Executive Director’s office will process all payments at the end of each calendar quarter (i.e., Mar 31, Jun 30, Sep 30, Dec 31).
FReSH – Google Analytics

March 1, 2012 – December 31, 2012

- 10,387 visits
- 8,992 unique visitors
- 47,861 page views
- 4.61 pages/visit
- Bounce rate of 59%
- Majority of visits are from the U.S.

- Utilized less by mobile devices
- Internet Explorer is most popular browser
- Most viewed articles: respiratory protection (662 views) and beef cattle handling (642 views)
Getting Involved in FReSH:

• Join as a CoP member (contact Linda at lmf8@psu.edu to join)
• Review articles and FAQs
• Write articles and FAQs
• Promote the use of FReSH
• Use FReSH as a way to share your information (e.g., PowerPoints, webinars, curriculum, etc.)