



# **Ag Resources for Health and Safety**

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# **Objectives**

To gain an understanding of:

What online Ag Health and Safety resources are available

How to access and use these resources

How to disseminate these resources to ag workers

How to contribute to these resources

To gain an understanding of web-based Ag Safety and Health resources apply to your job.



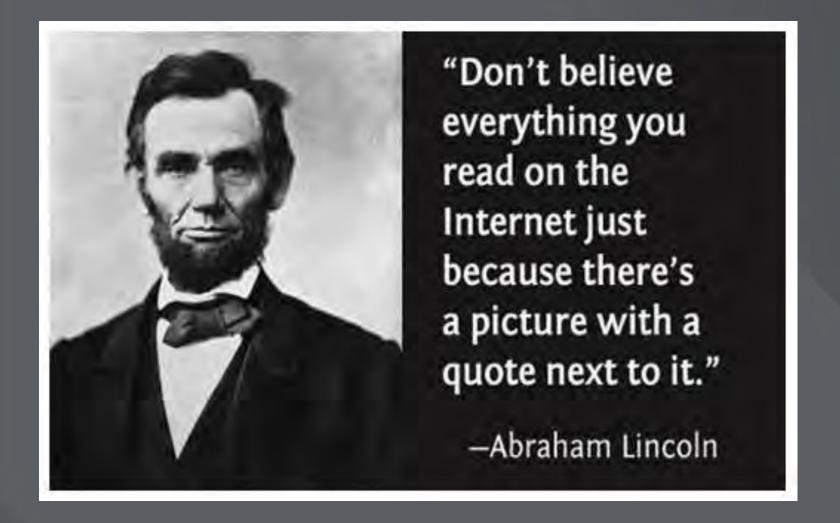




http://www.drugwar101.com/blog/wp-content/uploads/2012/12/FedEx-Panda-Express.jpg







http://wesclark.com/jw/lincoln\_internet\_quote.jpg





# NIOSH Ag Centers

http://nasdonline.org/agcenter.html





- 2. Great Plains Center for Agricultural Health (GPCAH)
- 3. High Plains Intermountain Center for Agricultural Health and Safety (HICAHS)
- 4. National Children's Center for Rural and Agricultural Health and Safety (NCCRAHS)
- 5. Northeast Center for Occupational Health and Safety in Agriculture, Forestry, and Fishing (NEC)
- 6. Pacific Northwest Agricultural Safety and Health (PNASH) Center
- 7. Southeast Center for Agricultural Health and Injury Prevention (SCAHIP)
- 8. Southwest Center for Agricultural Health, Injury Prevention and Education (SW Center)
- 9. Upper Midwest Agricultural Safety and Health (UMASH) Center
- 10. Western Center for Agricultural Health and Safety (WCAHS)





# National Ag Safety Database (NASD)



Interactive Training | Aq Safety Centers | News & Events | About NASD | Contact | Help | Privacy Policy | Disclaimer | CDC | NIOSH



www.NASDonline.org



# Search Sun Protection



Search Results

Search

About 72 results (0.18 seconds)

### Remember sun safety in the field

File Format: PDF/Adobe Acrobat

sun's most damaging rays by a) avoiding sun from. 10 a.m. to 4 p.m. b) wearing a wide-brimmed hat. c) using sunscreen with **protection** factor (SPF) of 15 or ...

nasdonline.org/static content/documents/2952/d002314.pdf



## National Ag Safety Database - Protect Yourself against the Sun

Instructor The following script can be used to deliver a 15-minute training session to employees. It would be a good idea to use some props (e.g. sunscreen, ... nasdonline.org/document/51/.../protect-yourself-against-the-sun.html

# Agricultural Tailgate Safety Training Module: Sun Exposure

File Format: PDF/Adobe Acrobat

Agricultural Tailgate Safety Training, Agricultural Safety Program, Background, Proper personal **protection** must be used to limit skin exposure. Farm workers are ... nasdonline.org/static content/documents/1801/d001749.pdf



# National Ag Safety Database - Sun Exposure

Trainer's Note: Sun exposure is a hazard that farmers cannot avoid. ... Use a sunscreen with **sun protection** factor (SPF) of 15 or more while working outdoors.

nasdonline.org/document/1801/d001749/sun-exposure.html



# National Ag Safety Database (NASD)



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# **Browse** by Topic



# **Browse: Topic**

Animals

Aquaculture

Back Safety/Lifting/Slips/Trips/Falls

Chemicals/Pesticides

Child Safety

Community Action

Conferences and Projects

Confined Spaces

Disaster

Electrical Safety

Ergonomics and Musculoskeletal Impacts

Farming With Disabilities

Fire Safety

First Aid

Fruit and Vegetable Crops Handling/Harvesting/Storage

General Safety & Health

Grain Handling/Harvesting/Storage

Hearing Conservation

Heat/Cold Illnesses, Skin Cancer

Home Safety

Horticulture and Landscape Maintenance

Injury Causes & Prevention

Ladder Safety

Lightning



# Heat/Cold Illnesses, Skin Cancer





Topic List | Videos | Training |

Other Languages

**How to Use NASD** 

# Browse: Topic: Heat/Cold Illnesses, Skin Cancer

#### Documents:

Cancer Risks From Synthetic Pesticides In Perspective

Cantaloupe Picker Dies of Heat Stroke

Care and Use of Immersion Suits

Checking Yourself Out

Cold Weather Exposure

Dangers of Heat Stress

Don't Let the Sun Spot You

Don't Sweat About The Heat (Public Service Announcement)

Dressing Up the Farm Family

Food Storage - When To Save and When To Throw It Out

Health Hazards In Agriculture - An Emerging Issue

Heat Stress

Heat Stress (Newspaper Article)

Heat-Related Illnesses & Fluid Balance, Outdoor Action Guide

Home Heating with Wood

Hypothermia and Cold Weather Injuries, Outdoor Action Guide

Ice Dam Prevention on Roofs Simple Ways To Alleviate The Problem

Keep Cool

Learning From Poisonous Plants

Lettuce Packer Collapses Due to Heat

Make a Better Sun Shield

National Skin Cancer Prevention Education Program: AT-A-GLANCE: 1997

# National Ag Safety Database (NASD)



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www.NASDonline.org





# **View Training Courses**

# Login | Create Account



Wember Login

Username

Login

Log In Sign Up

Welcome to the NASD Safety Training Site! Learn about hazards in the agricultural workplace and the safe ways to work around them. Take courses that will help protect you in your work. Be a better employee and a better example.

**View Training Courses** 





**View Training Courses** 

**Login | Create Account** 

# **Training Courses**

# **Tractor PTO Safety**

Interactive

Text Based

Instructor Resources

Road Safety: Sharing the Road with Agricultural Equipment

Interactive

Text Based

Instructor Resources

# **Contact**

NASD is an information clearinghouse for agricultural safety related documents. If you have a question about information found within a document, contact the author/organization that contributed the document. NASD does not have the staff and resources to respond to specific questions. <Click here> for additional information resources you might try.

# Report a Problem (bad link, wrong information)

To report bad links, incorrect information, or other problems with NASD, <click here>.

# **Videos**

If you want to acquire a video listed in NASD, we probably cannot help you. We do not distribute videos. Find the video you want to acquire, and use the contact information associated with that video. If the video contact information is not correct, <click here>. If you want to suggest a video to add to NASD, <click here>. If you want to add a listing for a video you distribute, <click here>.

# **Recommend Materials to Add to NASD**

To recommend ag safety-related materials that you think should be included in NASD, <click here>.

# **Contribute Your Materials to NASD**

NASD is a user-supported database. Share your ag safety-related materials with the rest of the world by adding them to NASD. To contribute your materials, <click here>.

# **General Suggestions**

To offer suggestions on how to improve NASD, or topics you would like to see covered in NASD <click here>.

# eXtension.org

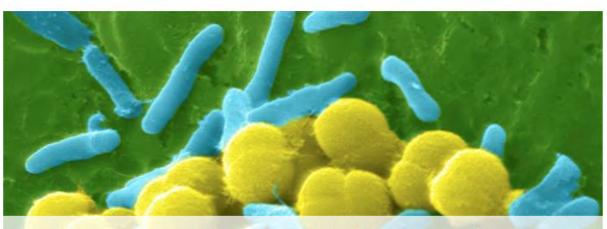
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# Are We Approaching a Post-Antibiotic Era?

If so, what's the connection to animal agriculture? The introduction to a recent World Health Organization (WHO) report asks people to imagine a...>Read More

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Creating Healthy Communities Diversity, Equity and Inclusion Enhancing Rural Community Capacity Entrepreneurs & Their Communities

Geospatial Technology Network Literacy

Program Evaluation

Volunteer Administration

### **DISASTER ISSUES**

Agricultural Disaster Preparedness and Recovery

Drought Resources

Floods Wildfire

### ENERGY

Farm Energy Home Energy Wood Energy

#### ENVIRONMENT

Prescribed Fire Trees for Energy Conservation

### **FAMILY**

Teen Leadership

Child and Family Learning Network
Child Care
Companion Animals
Drinking Water and Human Health
Family Caregiving
Food Safety
Military Families
Parenting
Personal Finance

#### FARM

Ag Safety and Health
Animal Manure Management
Animal Welfare
Apples
Bee Health
Beef Cattle
Blueberries
Climate, Forests and Woodlands
Corn and Soybean Production
Cotton
Dairy
Forest Farming

Freshwater Aquaculture

Hogs, Pigs, and Pork

Marine Aquaculture

Organic Agriculture

Plant Breeding and Genomics

Small and Backyard Flocks

Sustainable Marine Fisheries

Small Meat Processors

Goats

Grapes

Horses

Rangelands

Wood Products

Sheep

# PEST MANAGEMENT

HEALTH AND NUTRITION

Community Nutrition Education

Healthy Food Choices in Schools

Water Conservation for Lawn and

Families. Food and Fitness

LAWN AND GARDEN

Extension Master Gardener

Gardens & Landscapes

Omega-3s

Landscape

Feral Hogs Imported Fire Ants Invasive Species Pest Management In and Around Structures Pesticide Environmental Stewardship Wildlife Damage Management

### YOUTH

Ag Zone Science for Youth

# eXtension.org/AgSafety

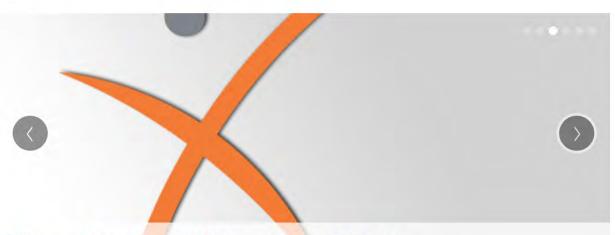


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# Ag Safety and Health



# Bites, Stings, and Venomous Things

Practically all of us have a story about an unpleasant encounter with a spider, bee, wasp, or snake. In 2011, the American Association of Poison Control...>Read More

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# Resources

Safety in Agriculture for Youth (SAY Project)

Mobile Apps

# Resources Available

- · National Ag Safety & Health Reference Documents and Visuals
- · National Ag Safety & Health Resource Organizations

# Education and Outreach

# Self-Paced Learning

- · AgSafety4U (online certificate course)
- Gearing Up (AgHOs training)
- · Introduction to Ag Health & Safety (online course)

# Instructor Led Learning

- · Farm Family Emergency Response Program
- Gearing Up (AgHOs training)
- National Safety Tractor & Machinery Operation Program (NSTMOP - AgHOs training)

# Our People



#### Richard J. Brzozowski

Growing up in rural New Hampshire, Richard Brzozowski was always interested in farming. Not being from a farm family, he sought to learn all he could about...



# Trending Questions

Info Handouts and Reference Guides

view response »

roundup

# Recent Webinars

February 13, 2014

Safety Issues in On-Farm Biomass Production

November 19, 2013

Osteoarthritis, Joint Stress, and Injury Prevention in Livestock Production

November 14, 2013

SAY What? - A New Look for Youth Farm Safety Education

September 27, 2013

Understanding OSHA Requirements for Farm Businesses

June 26, 2013

Caring for the Injured Worker: Effective Partnerships between Clinicians, Health Centers, and Lawyers

SEE MORE

# Latest Tweets

Tweets





AgSafety4u @AgSafety4u 12 Jun

The registration is now open for the National Youth Farm & Ranch Safety Symposium.

regonline.com/Register/Check...

Expand



AgSafety4u

11 Jun

@AgSafety4u

Summer is busy with farm safety activities.

extension.org/pages/63425/pr...



AgSafety4u

4 Jun

Retweet this and @FCCagriculture will donate \$1 to help injured

Tweet to @AgSafety4u

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# Training and Resources for Instructors

- Economics of Agricultural Injury Prevention
- · Hispanic Youth Tractor Driving
- · Gearing Up (AgHOs training)
- Organizing & Conducting a Safe Tractor Operation Workshop
- Progressive Agriculture Safety Day

Webinars
Upcoming Events
Video Resources

# Articles (by Topic Area)

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





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# Agricultural Safety and Health Mobile Apps

Ag Safety and Health

May 22, 2014 | Print

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Mobile apps—computer applications that run on mobile devices such as smartphones—can be educational, fun, and easy-to-use, and they can help users improve agricultural safety and health. The number of safety and health mobile apps continues to grow in number and functionality. Below is a list of mobile apps that may be useful for agricultural safety and health:

# Ag Safety Games

- Chicken ROPS Run iOS App: is a fun and challenging arcade-style game with high-quality jetpack-like game play that emphasizes the value of the tractor Rollover Protective Structure (ROPS) in saving farmers from critical injuries, and even loss of life
- Tractor ROPS Run iOS App: This app reinforces principles of safe tractor operation.
- Fun Safety Games: Learn workplace safety skills through a variety of games.

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# Ag Safety & Health Apps

- CSP Quiz Game Plus: These quiz games are designed to help industrial hygienists prepare for the Board of Certified Safety Professionals comprehensive exam.
- Decibel 10<sup>th</sup>: This app turns an Apple mobile device into a sound meter.
- Equipment Inspection Mobile Phone App: Developed by the Farm and Ranch Safety and Health Association (FARSHA), this mobile app was designed to assist agricultural employers in conducting equipment inspections.
- FallClear LITE Fall Arrest Clearance Calculators: This app provides fall arrest clearance calculators, tools for supervisors and workers trained in fall protection.
- FarmPAD Mobile App: This app can be used to store farm records, equipment service logs, and spray records or to take notes and pictures.
- Heat Safety Tool: The US Department of Labor, Occupational Safety and Health Administration (OSHA) released this app to enable workers and supervisors to calculate the heat index for their worksites and learn about protective measures to reduce the risk of heat-related illnesses.
- Job Safety Analysis: This iPad app was designed for business managers to increase efficiency through a Job Safety Analysis (JSA) or the Safe Work Method Statement.
- Ladder Safety: The National Institute for Occupational Safety and Health released this app to improve extension-ladder safety.
- Machinery Sizing: This app estimates tractor horsepower to pull implements.
- NIOSH Pocket Guide to Chemical Hazards for iPad: This app provides a source for general information about industrial hygiene.
- Safety Inspection: This app provides complete criteria for a professional safety inspection and distributes inspection results by email from an iPhone or iPad.
- VRPETERS (Vehicle Rollover Prevention Education Training Emergency Reporting System): This app uses sensors and GPS to detect when a tractor rollover occurs and then sends an automatic emergency email and phone message with the incident location.
- Winter Survival Kit: If you are stranded in severe winter weather, this app can help you find your location, call 911, notify emergency contacts, and calculate how long you can keep a vehicle's engine running to stay warm.
- WorkSafeBC Safety Videos: This app offers access via a mobile device to more than 150 WorkSafeBC workplace safety videos.

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November 19, 2013

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Creating Healthy Communities
Diversity, Equity and Inclusion
Enhancing Rural Community Capacity
Entrepreneurs & Their Communities
Geospatial Technology

Network Literacy

Program Evaluation
Volunteer Administration

### **DISASTER ISSUES**

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Floods Wildfire

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Farm Energy Home Energy Wood Energy

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Teen Leadership

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### **FAMILY**

Child and Family Learning Network
Child Care
Companion Animals
Drinking Water and Human Health
Family Caregiving
Food Safety
Military Families
Parenting
Personal Finance

#### FARM

Ag Safety and Health
Animal Manure Management
Animal Welfare
Apples
Bee Health
Beef Cattle
Blueberries
Climate, Forests and Woodlands
Corn and Soybean Production
Cotton
Dairy
Forest Farming
Freshwater Aquaculture
Goats

Grapes Hogs, Pigs, and Pork

Horses

Marine Aquaculture Organic Agriculture

Plant Breeding and Genomics

Rangelands

Sheep

Small and Backyard Flocks Small Meat Processors Sustainable Marine Fisheries

Wood Products

## **HEALTH AND NUTRITION**

Community Nutrition Education Families, Food and Fitness Healthy Food Choices in Schools Omega-3s

#### LAWN AND GARDEN

Extension Master Gardener Gardens & Landscapes Water Conservation for Lawn and Landscape

# PEST MANAGEMENT

Feral Hogs Imported Fire Ants Invasive Species Pest Management In and Around Structures Pesticide Environmental Stewardship Wildlife Damage Management

### YOUTH

Ag Zone Science for Youth

# eXtension.org/disasters



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# Agricultural Disaster Preparedness and Recovery



# Introduction to Avian Influenza

Domestic ChickensSchaefer, G. (Photographer). (2005). Avian influenza, also known as avian flu or bird flu, is an infectious disease of birds caused by...>Read More

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# FReSH Community Information

Ag Safety and Health

October 24, 2013





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The Farm & Ranch eXtenision in Safety and Health (FReSH) Community of Practice (CoP) is a collaborative effort between universities, industry, and government to provide user-friendly information for the general rural population, agricultural producers, and agricultural safety and health professionals. Financial support for this project is provided by the United State Department of Agriculture, National Institute of Food and Agriculture; eXtension; and CHS Inc.

The FReSH CoP has more than 90 members that work together to provide, produce, and review agricultural safety and health information. The following information provides an overview of the site content and links to usable resources.

- Ag Safety & Health Resources: Various types of resources are available from the FReSH homepage (extension.org/agsafety), including options for self-paced and instructor-led learning, training and resources for instructors, videos, publications, and topic pages on various safety and health topics.
- Ask an Expert: If you still have a question after visiting the resources on the FReSH site, click here to be directed to eXtension's Ask an Expert option to ask a specific question that will be answered by an agricultural safety and health professional.
- Online Safety Course: Click here to learn how to enroll in an online agricultural-safety certificate course.
- Upcoming Events: Click here to locate professional education opportunities.
- Webinars: Click here to locate upcoming agricultural safety and health webinar opportunities.

If you would like join the CoP, contact Linda Fetzer at Imf8@psu.edu.

# AgRisk.umn.edu



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**AG BLOGS** 

CONFERENCES



The Ag Risk & Farm Management Library organizes thousands of materials to help agricultural producers and professionals quickly find the information you need on risk management, marketing, financial management and more.

# HOT TOPICS 6



2014 Farm Bill

# RECENT ADDITIONS

- Dealing with Financial Stress on Texas Farms and Ranches— Bankruptcy and Non-Bankruptcy **Alternatives**
- Limited Liability Companies and **Corporate Business Structures**
- Business Plans for Agricultural **Producers**
- Business Entity Planning
- Basic Business Structures

MORE

# FEATURED DOCUMENT ★



Introduction to Risk Management

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CONFERENCES

# Senior Farmers at Risk on the Farm - National Ag Risk Education ...

www.agrisk.umn.edu/cache/ARL02029.htm

Research by the National Institute for Occupational Safety and **Health** has demonstrated that tractor drivers 65 years and older may be two to three times more ...

# Farm Stress - National Ag Risk Education Library

www.agrisk.umn.edu/conference/uploads/CBruynis0875 02.pptx

File Format: Microsoft Powerpoint

To increase awareness of stress and the impact on mental **health** of farm families. To outline several strategies to reduce farm stress. To provide mental **health** ...

# Enterprise Budgets - National Ag Risk Education Library

www.agrisk.umn.edu/Budgets/Display.aspx?RecID=20&Pg=1

Community & Business. Food & **Health**. Youth & Family. 4-H. Agronomy Guide. Crop and Soil Management. Pest Management. Bushel Weights/Seed Per Pound.

# Assess Your Joint Health Quiz - National Ag Risk Education Library

www.agrisk.umn.edu/conference/uploads/AWolfe1156\_02.doc

File Format: Microsoft Word

Farm Youth: Assess Your Joint **Health** Quiz. Only a doctor can diagnose arthritis. However, by asking yourself the following questions at an early age you may be ...

# Developmental Stages of Children and Accident Risk Potential ...

www.agrisk.umn.edu/cache/ARL02024.htm

Developmental Stages of Children and Accident Risk Potential. Farm accidents often occur because the children experience situations that they are not capable ...



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CONFERENCES

# Ag Risk & Farm Management Library | Conference Materials

www.agrisk.umn.edu/Library/ConferenceMaterials.aspx?ConfID=13



Apr 8, 2014 ... **ACA** options for Agricultural Businesses. Marilyn Schlake. Organization: University of Nebraska Extension Co-Presenters: Carroll Welte, ... Labeled <u>Videos</u>

# WIAEducators2104-Schlake.ppt - National Ag Risk Education Library

www.agrisk.umn.edu/conference/uploads/MSchlake1495\_01.ppt

File Format: Microsoft Powerpoint

Not an endorsement for or against the **ACA**. University of Nebraska–Lincoln. Know how. Know now. Perspectives. Business Owner; Employee; Competition ...

# Outreach on the ACA

www.agrisk.umn.edu/conference/uploads/HJohnson1559 01.pptx

File Format: Microsoft Powerpoint

Heidi Johnson. Dane County University of Wisconsin-Extension. Crops and Soils Agent. Outreach

Specifically to Farmers: Why me??? ACA affects them in many ...

# BLOG WORKSHOPS EVENTS WEBSITE - National Ag Risk ...

www.agrisk.umn.edu/conference/uploads/ADurand1502\_01.pdf



File Format: PDF/Adobe Acrobat

Mar 27, 2014 ... A. Durand, T. Fast, J. Krautbauer – AgStar Financial Services, **ACA** – AgStarEdge .com. INTRODUCTION. In the 12 months since AgStar's ...

# Insurance - National Ag Risk Education Library

www.agrisk.umn.edu/cache/ARL03691.htm

Notwork Solutions Site Safe @ AgStar Financial Sontings ACA All Dights Decorred Home



# **OSHA**

OSHA.gov osha.gov/dte/grant\_materials/





# NIOSH

cdc.gov/niosh/ cdc.gov/niosh/topics/agriculture/ cdc.gov/niosh/oep/agctrhom.html





# **Journals**

Journal of Agromedicine
marshfieldclinic.org/JAM
Journal of Ag Safety and Health
elibrary.asabe.org/toc\_landing.asp?conf=j









# Questions?

Aaron M. Yoder, PhD

aaron.yoder@unmc.edu