



AND



# Rural Preparedness: Strategies and resources to help strengthen the resilience of families and communities

Ashley Ahrens, Soni Cochran, Emily Jacobson, Ed Sheldon and Aaron Yoder





# All-Hazards Planning

**Strengthen Resilience with Personal  
Planning and Readiness**

Soni Cochran

# Disaster Management Cycle

- Mitigation
- Preparedness
- Response
- Recovery
- Ongoing - Overlap

**All communities are in at least one stage of this cycle at any time.**



Image Source: Penn State College of Earth and Mineral Sciences

# The Origins of Disasters

## ▶ Hazards:

- Origins of disasters.
- Becomes a disaster when it impacts communities and societies.

## ▶ Emergencies:

- Small-scale events, localized, resolved quickly with local resources.
- Can escalate and become a disaster.

## ▶ Disasters:

- Hazards that disrupt the functioning of communities and societies.
- Require response and recovery greater than local communities can provide.



# All-Hazards: Tornadoes, Trains, and Toxins

- ▶ **Atmospheric:** Thunderstorms, tornadoes, blizzards, heat waves, fog
- ▶ **Geological:** Earthquakes, volcanoes, landslides
- ▶ **Hydrological:** Floods, drought, wildfires
- ▶ **Extraterrestrial:** Meteorites, asteroids
- ▶ **Biological – Human and Animal:** Diseases, Epidemics, Pandemics, Overpopulation
- ▶ **Non-Intentional:** Technological, Hazardous Materials, Transportation, Structural
- ▶ **Intentional:** Cyber-attacks, civil disobedience, terrorism, violence

Hazard classifications - Federal Emergency Management Agency or FEMA

# Why it matters

- All disasters start and end local
- One size doesn't fit all – identify all hazards
- Culture, demographics, language, veterans, first-time farmers, age
- Geography, distance to resources, transportation, isolation
- Type of operation and size
- Economics, rural stress, health and wellness, relationships, support



# Assessing Needs on Farm/Ranch Visits

Emily Jacobson and Ashley Ahrens



# Assessing Needs on Farm/Ranch Visits

- ▶ **Complete Worksite Assessment**
  - ▶ This assessment will help you to understand the farm/ranch and if the client feels prepared for an emergency
    - Utilize sections: *Overall Farm/Ranch Accessibility* and *General Farm/Ranch Maintenance*
- ▶ If no emergency plan in place, set them up with resources to create one
- ▶ **Emergency Preparedness Overview**
  - ▶ Ensure safety for all farmers, ranchers & farm workers, including those with disabilities.
  - ▶ **Steps:**
    - Assess current emergency plans.
    - Identify risks (e.g., equipment failure, severe weather, health emergencies).
    - Address disability-specific needs in the emergency procedures.



**Inclusive Emergency Preparedness**



# Assessing Needs on Farm Visit

## ▶ Key Areas of Emergency Preparedness

### ▶ Communication and Accessibility:

- Accessible emergency procedures (large print, Braille, audio).
- Accessible escape routes and exits.

### ▶ First Aid and Medical Support:

- Stock first aid kits and include disability-specific supplies.
- Ensure medical information is up to date.

### ▶ Training and Drills:

- Provide CPR and first aid training.
- Conduct regular emergency drills with all workers.

# Assessing Needs on Farm Visit

## ▶ Continuous Improvement

### ▶ Review and Update Plans:

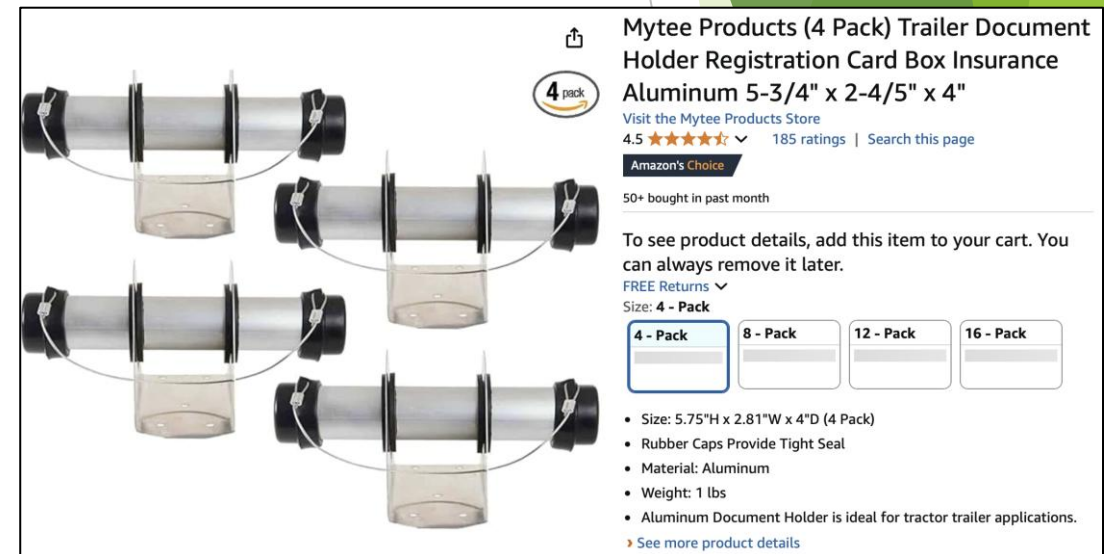
- Regularly assess and update emergency protocols.
- Conduct drills for fire, severe weather, and animal-related emergencies.

### ▶ Family and Community Involvement:

- Keep family/contact info for workers with disabilities.
- Familiarize with local emergency resources.

### ▶ Document Holders for Farm/ Ranch Sites

- Can Place on a fence post by entrance of property for emergency access



# Overcoming Barriers: Challenges Faced by Rural Individuals and Families with Access and Functional Needs in Disasters

## ▶ **Geographic Isolation**

- ▶ **Delayed emergency Response:** Fewer emergency services lead to longer response times.
- ▶ **Limited Transportation:** Mobility impairments and lack of specialized transport hinder evacuation.

## ▶ **Limited Access to Health Care and Specialized Services**

- ▶ **Few Medical Facilities:** Lack of specialized care for chronic illnesses and disabilities.
- ▶ **Supply Disruptions:** Medications, oxygen and medical equipment may be difficult to access.

## ▶ **Communication Barriers**

- ▶ **Limited Access to Information:** Warnings may not be accessible for people with hearing or visual impairments,
- ▶ **Poor internet Connectivity:** Reduces access to emergency alerts and communication.

# Overcoming Barriers: Challenges Faced by Rural Individuals and Families with Access and Functional Needs in Disasters

## ▶ **Physical and Environmental Barriers**

- ▶ **Impassable Roads:** Poor infrastructure worsens evacuation challenges.
- ▶ **Inaccessible Shelters:** Lack of accommodations for mobility & medical needs.

## ▶ **Economic and Resource Constraints**

- ▶ **Financial Struggles:** Many cannot afford evacuation costs or emergency supplies.
- ▶ **Limited Social Services:** Essential support (food assistance, in-home care) is scarce.

## ▶ **Social Isolation and Community Support**

- ▶ **Few Support Networks:** Fewer local organization and overwhelmed volunteer groups.
- ▶ **Stigma and Understanding:** Fear of judgement can prevent individuals from seeking help.



# Overcoming Barriers: Challenges Faced by Rural Individuals and Families with Access and Functional Needs in Disasters

## ▶ Inadequate Planning and Preparedness

- ▶ **Lack of Inclusive Plans:** Emergency plans often overlook access in functional needs.
- ▶ **Limited First Responder Training:** Lack of awareness can lead to ineffective assistance.

## ▶ Cultural and Linguistic Barriers

- ▶ **Language and Communication Gaps:** Non-English speakers may struggle with emergency instructions.
- ▶ **Mistrust of Authorities:** Hesitation to seek help increase vulnerability.

# Rural Realities: Barriers and Strengths for Individuals with Disabilities in Disasters

## ► Challenges in Rural Areas for People with Disabilities

- **Limited Healthcare and Specialized Services:** Fewer providers and delayed access to essential care.
- **Transportation Barriers:** Lack of accessible transit hinder evacuation efforts.
- **Social Isolation:** Fewer support networks increase vulnerability in emergencies.
- **Communication Challenges:** Poor internet and inaccessible alerts limit emergency information.
- **Inadequate Emergency Shelters:** Many shelter lack necessary accommodations.
- **Disaster Preparedness Gaps:** Plans often overlook disability-specific needs.
- **Economic Constraints:** Limited Financial resources affect preparedness and recovery.

# Rural Realities: Barriers and Strengths for Individuals with Disabilities in Disasters

## ▶ Strength of Rural Communities in Disaster Response

- ▶ **Strong Community Bonds:** Neighbors provide informal support and assistance.
- ▶ **Volunteerism and Local Resilience:** Local fire departments and community groups step in.
- ▶ **Environmental Familiarity:** Residents know the land and alternative evacuation routes.
- ▶ **Family and Community Support Systems:** Strong social ties help those in need.
- ▶ **Resourcefulness and Self-Sufficiency:** Rural residents adapt quickly with available resources.
- ▶ **Lower Population Density:** Emergency response can be more personalized and focused.
- ▶ **Local Disaster Adaptations:** Communities develop specific response strategies.

# Rural Realities: Barriers and Strengths for Individuals with Disabilities in Disasters

- ▶ **Balancing Barrier and Strengths**
  - ▶ Rural areas face significant challenges for individuals with disabilities in disasters, but strong community ties and local resilience can help bridge those gaps. Strengthening disaster preparedness with inclusive planning and leveraging rural strengths can create more resilient and supportive communities.



# Farm and Ranch Mapping

Aaron Yoder



# Creating a Farm and Ranch Map

- ▶ When seconds count, your home, farm, or ranch maps are a key source of information for first responders. Map your home property. If you have farm or ranch operations, create a map of all locations, including any land you rent. A map can help identify hazards on these properties and help you identify primary and secondary evacuation routes.
- ▶ Keep the maps simple and easy to read. Make copies and place them in binders along with other emergency information. Keep the binders in strategic locations (barn, house, vehicle) — wherever you need quick access to provide information to first responders.

# Creating a Farm and Ranch Map

Features of the map can include:

- ▶ Buildings and structures — be sure to label these. Label and number grain bins (Grain Bin #1, Grain Bin #2).
- ▶ Roads, lanes, and driveways.
- ▶ Locations of all livestock (if you have livestock on several properties, note and map those locations).
- ▶ Gates, fences, and all access points.
- ▶ Irrigation pumps and wells.
- ▶ Hazardous materials (fuel, chemicals, manure pits, pipelines).
- ▶ Locations for electrical, water, and gas shutoffs.



# BLUE AND GOLD

## Pennsylvania FFA Happenings

*One Emblem, Endless Opportunities*

[www.paffa.state.pa.us](http://www.paffa.state.pa.us)

## FFA SAFE Protects Farm Property

**SUZANNAH MELLINGER**  
State FFA Reporter

STATE COLLEGE, Pa. — Think about a farm near where you live. Do you know how many buildings are on that farm? Can you list what is in each building? How many cows do they have? Where are the fertilizers, pesticides, and fuel tanks stored? What if there is a fire, explosion, or someone in need of rescue on the farm? Rescue workers need to know where all these potential hazards lie and they need that information for every farm in their response area. Unfortunately, very few farms have this type of information readily available to emergency responders. However, this is starting to change thanks to FFA members and the FFA Saving Area Farms Effectively (FFA SAFE) program.



Global positioning devices and software were used to accurately plot the location of various items on the maps.

The FFA SAFE program allows FFA members to create farm emergency response maps, with the owner's permission, to show emergency responders the location of buildings, equipment, and chemicals, inform them of different types of silos (conventional versus oxygen limited), and show

utility shut-off locations on the farm. By knowing this information, emergency workers can avoid possible hazards to themselves and any possible victims during a farm emergency, save response time, and more effectively preserve the property at risk. These maps are first hand-drawn by FFA members during a visit to the farm. When the members finish this first draft, they return to their school and use global-positioning software (ArcGIS) to make a digital map. This map is printed and given to the farmer in a weather-protecting tube and is stored at a location specified by the farmer. Only the farmer and the local 911 dispatcher know where that tube is kept but the dispatcher can relay the map's location to emergency responders if the need arises.

In order to properly train FFA members from around the state, Penn State University and the FFA teamed up to offer two Farm-Mapping camps in June. Students from Upper Dauphin, to Bermudian Springs, to Canton, to Walter Biddle Saul, to Northern Potter FFA and many other chapters were all participants of this camp and are now prepared to map local farms. In fact, 17 farms in the State College area were mapped during these two camps and a hand-full of other farms have been mapped since the camps. The long term goal for this program is to train teachers as well as FFA members so that the teachers can use this program in their regular curriculum every year and continue to map more and more of Pennsylvania's more




FFA members work with a Centre County farmer to map his farm during the FFA SAFE Mapping Camp.

than 59,000 farms. "This is not a class project, this is for real," said Rick Day, associate professor at Penn State University.

Paul Heasley, the agriculture teacher at State College High School noted that he has received nothing but positive feedback from the participating farmers. "It allows our kids to get out into the community and work with local farmers and provides so many opportunities for the kids to gain skills and learn about job opportunities (in technology area of agriculture)" said Heasley.

A lot of progress has been made in the FFA SAFE program, but there is still much progress to be made. "We need to get more schools to participate in the program. We have sixteen school districts trained but we need all the chapters to get involved," said Day.

FFA members who are interested in getting their chapter involved in this program, talk to the school's agriculture teacher and tell them to contact Mike Brammer, executive manager at the Pennsylvania FFA Office to get started.



### FROM THE OFFICER'S STATION

**PENNSYLVANIA FFA BEGINS A NEW YEAR**  
Suzannah Mellinger  
State FFA Reporter

HAPPY NEW YEAR!!!!!! It may be July, but within the past month, the Pennsylvania FFA As-

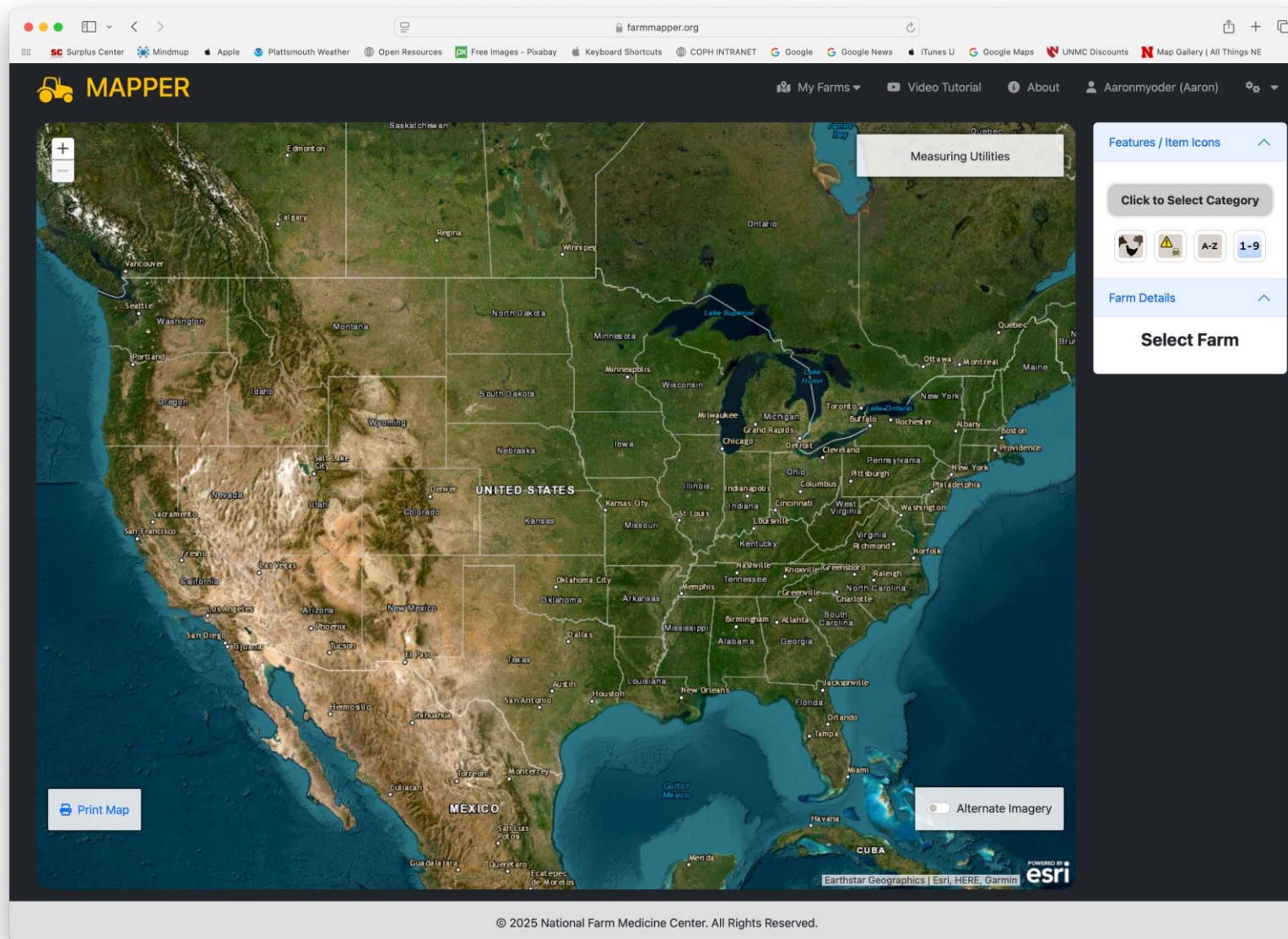
tion on our Website ([www.paffa.state.pa.us](http://www.paffa.state.pa.us)) on how to properly prepare an article for the Blue and Gold pages as well as putting the Blue and Gold pages on our website so you can show it to friends and family who do not receive the Lancaster Farming. If you have



# farmmapper.org

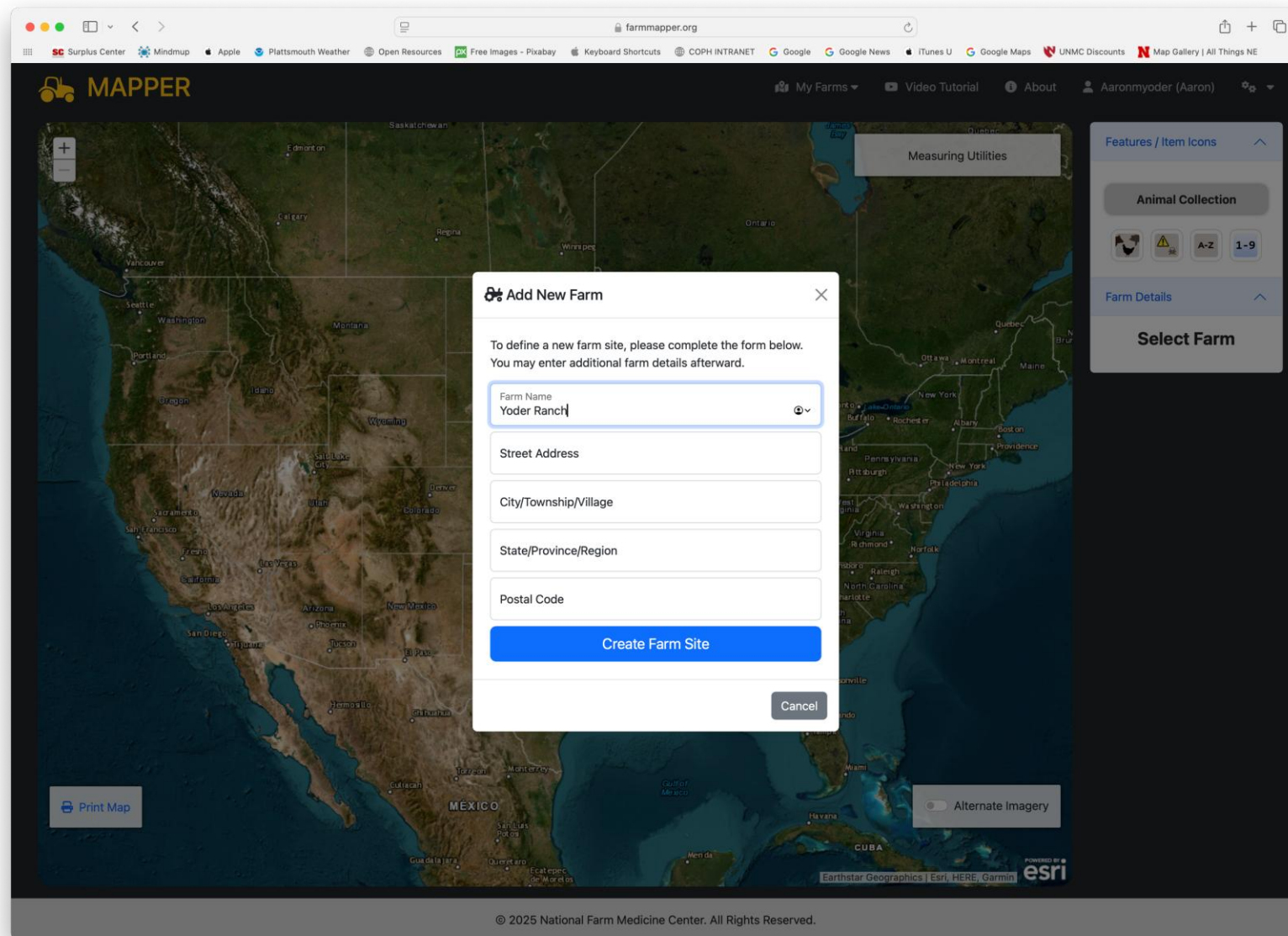
The screenshot shows the homepage of farmmapper.org. At the top, there is a navigation bar with the 'MAPPER' logo and links for Home, Login, About, Register, and Help. The main content area features a large banner with an aerial view of a farm and the text 'FARM MAPPER' and 'Farm Mapping to Assist, Protect and Prepare Emergency Responders'. Below the banner, there is a paragraph explaining the project's goal: 'This project explores using digital maps of farming operations to provide emergency responders on-site information about hazards and resources. The goal is to expedite responses to farm emergencies and protect responders who may be unfamiliar with an individual farms layout. A brief video tutorial of the platform is also available.' Below this text are two buttons: 'Login' and 'Register'. Underneath these buttons is a login form with two input fields: 'Username OR Email' and 'Password (Forgot Password?)'. A blue 'Login' button is positioned below the password field. At the bottom of the page, there is a copyright notice: '© 2025 National Farm Medicine Center. All Rights Reserved.'

# farmmapper.org





# farmmapper.org



# farmmapper.org

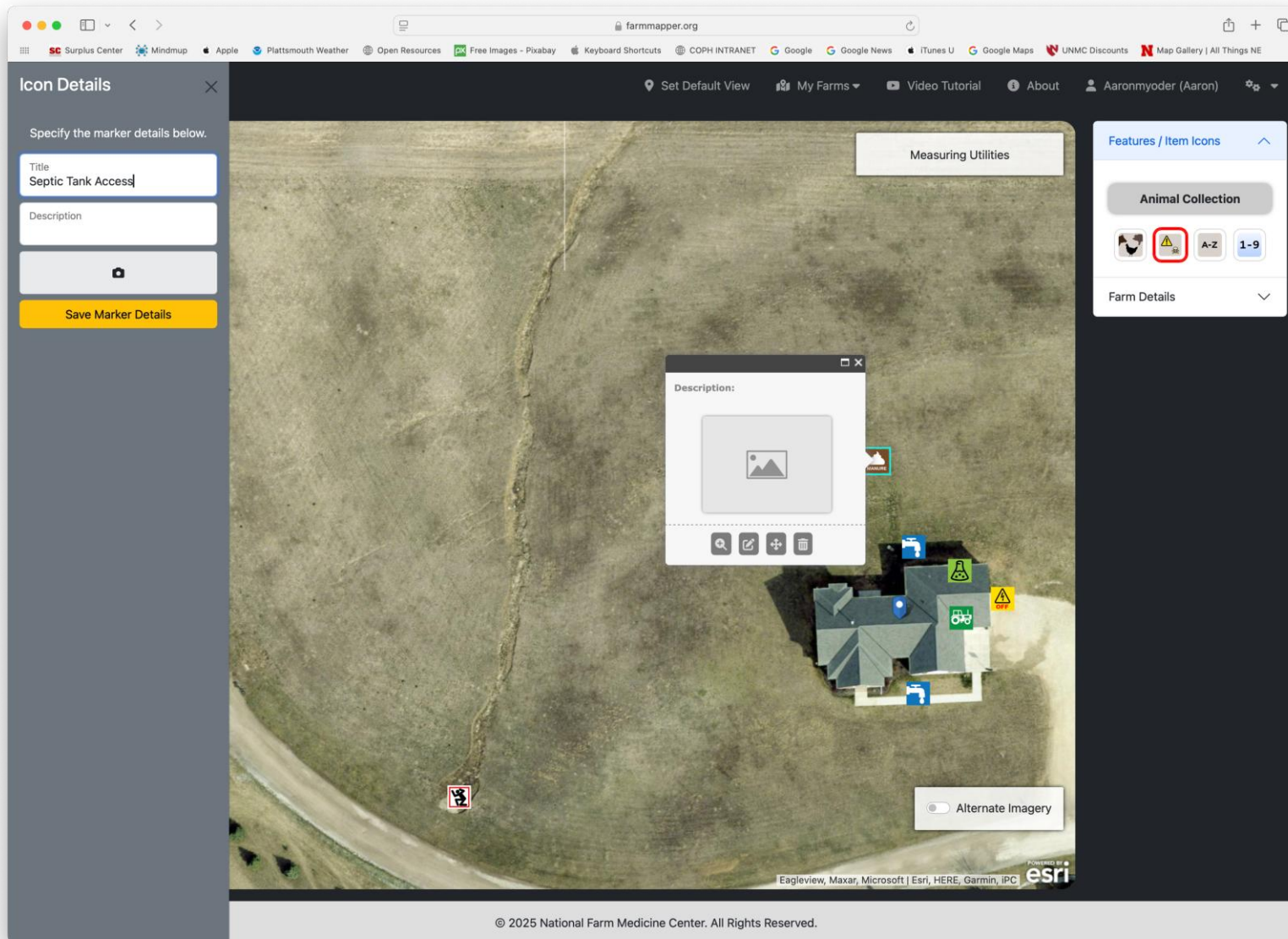
The screenshot shows the farmmapper.org website interface. The main map area displays an aerial view of a farm with a blue location pin. The sidebar on the right contains the following information:

- Farm Details**
- Yoder Ranch**
- 1860 LAKE RIDGE TRL, PLATTSMOUTH**
- Phone:** 814-577-9127 (Primary contact phone number)
- Employees:** 3 (Number of farm employees)
- Residents:** 5 (Number of residents at farm)
- Beef Head:** (Number of beef head on farm)
- Dairy Head:** (Number of dairy head)
- Crop Acres:** 5 (Number of crop acres)
- Other Operations:** Garden (Any other farm operation(s))
- Save Farm Details** (button)

At the bottom of the map, it says "© 2025 National Farm Medicine Center. All Rights Reserved." and "Eagleview, Maxar, Microsoft | Esri, HERE, Garmin, IPC".



# farmmapper.org



Start making your farm a safer farm today.



National Farm Medicine Center, Marshfield Clinic Research Foundation  
1000 North Oak Avenue, ML-1, Marshfield, WI 54449-5790  
General: 1-800-662-6900 Fax: 715-389-4996

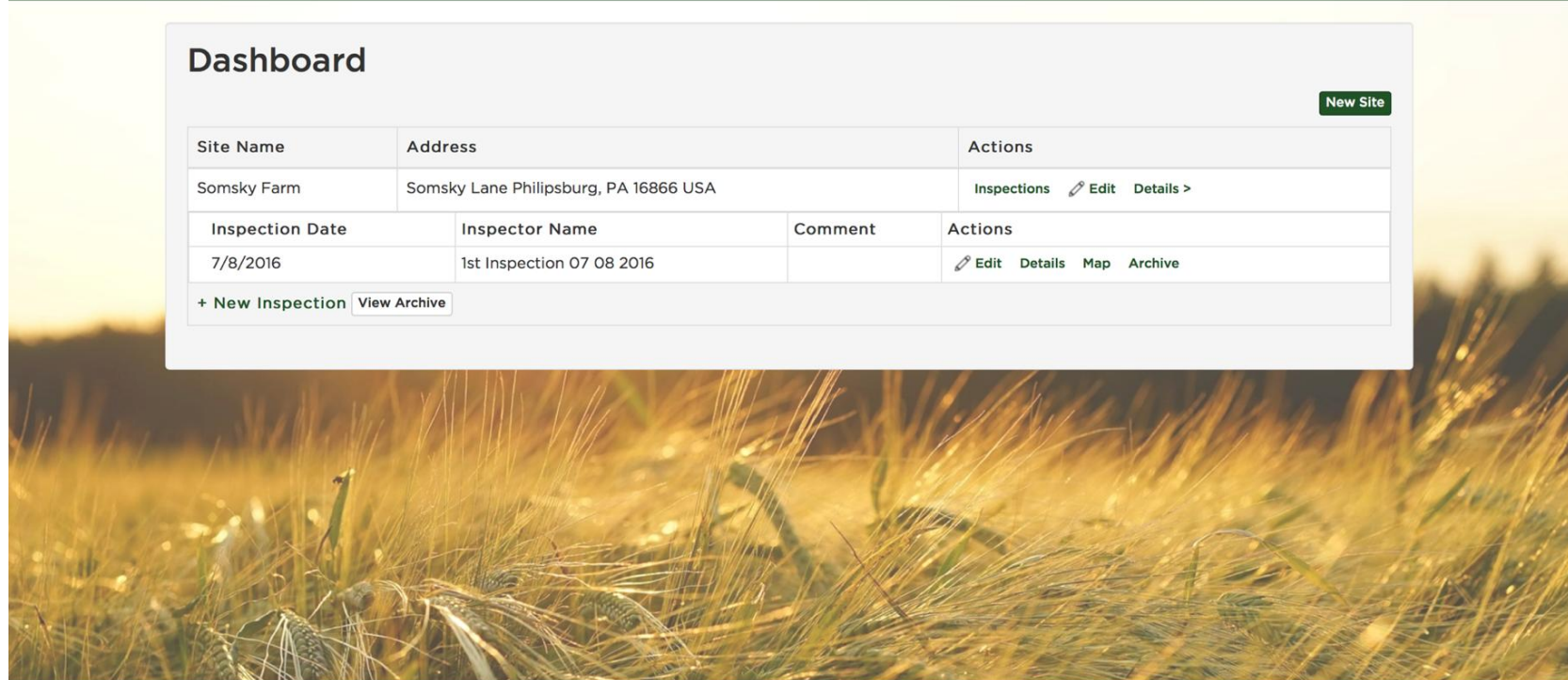
# saferfarm.org

## Dashboard

New Site

Site Name	Address	Actions	
Somsky Farm	Somsky Lane Philipsburg, PA 16866 USA	<a href="#">Inspections</a> <a href="#">Edit</a> <a href="#">Details &gt;</a>	
Inspection Date	Inspector Name	Comment	Actions
7/8/2016	1st Inspection 07 08 2016		<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Map</a> <a href="#">Archive</a>

+ New Inspection [View Archive](#)



National Farm Medicine Center, Marshfield Clinic Research Foundation  
1000 North Oak Avenue, ML-1, Marshfield, WI 54449-5790  
General: 1-800-662-6900 Fax: 715-389-4996





# saferfarm.org

**EDIT ITEM**

**Somsy Farm**  
1st Inspection 07 08 2016 (7/8/2016)

Go Back

Name: Bull Handling

Score: 3 **Change**

Comments: [Text Area]

High Priority

**Delete** **Update**

⚠ Current Location Unavailable

[Return to Dashboard](#)

Score	Description	Photo
1	Penned within a secure, locked steel pipe or rebar fenced area; dehorned and fitted with bull nose ring.	
2	Penned within unlocked steel pipe or rebar fenced area; dehorned and fitted with bull nose ring.	No photo on file
3	Penned within a high-tensile fenced or wooden fenced area; dehorned and fitted with bull nose ring.	
4	Penned within a small woven wire fenced area; not dehorned and not fitted with bull nose ring.	No photo on file
5	Free-roaming within a pasture or lot regardless of fence type; not dehorned and not fitted with bull nose ring.	

⚠ Current Location Unavailable

[Return to Dashboard](#)

⚠ Current Location Unavailable

[Return to Dashboard](#)

Safer Farm Home Dashboard About Help Hello AgSafetyAaron! Log off

< Back **Site Details - Somsky Farm**

Address Line 1 Somsky Lane  
Address Line 2  
City Philipsburg  
State/Province/Re... PA  
ZIP/Postal Code 16866  
Country USA

[Edit](#)


**Inspections**


Inspection Date	Inspector Name	Comment	Actions
7/8/2016	1st Inspection 07 08 2016		<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Map</a> <a href="#">Archive</a>

+ New Inspection

**Archived Inspections**

Inspection Date	Inspector Name	Comment	Actions
No Inspections			

 **Marshfield Clinic**  
Research Foundation

 **National Farm Medicine Center**

National Farm Medicine Center, Marshfield Clinic Research Foundation  
1000 North Oak Avenue, ML-1, Marshfield, WI 54449-5790  
General: 1-800-662-6900 Fax: 715-389-4996

Safer Farm Home Dashboard About Help Hello AgSafetyAaron! Log off


## < Back Inspection Details Generate Report


Site Name Somsy Farm  
Inspector Name 1st Inspection 07 08 2016  
Inspection Date 7/8/2016  
Comment  
Overall Score **2.5**

[Edit](#)

Ungrouped **avg score: 2.5**

Type	Category	Score	Comments	High Priority	Image
Electrical Panel	Ag Buildings	1		<input type="checkbox"/>	
Access Steps	Tractors	1		<input type="checkbox"/>	
Bull Pens and Stalls	Animals/Livestock	5		<input type="checkbox"/>	
Stairs and Walkways	B&B/Residential	1		<input type="checkbox"/>	
Farm Ponds	Other Structures/Accessories	5		<input type="checkbox"/>	
Utility Task Vehicle	Off-Road Vehicles/Machines	1		<input type="checkbox"/>	
Dog Safety	Animals/Livestock	3		<input type="checkbox"/>	
Bull Handling	Animals/Livestock	3		<input type="checkbox"/>	

 Marshfield Clinic  
Research Foundation

 National Farm Medicine Center



# saferfarm.org

The screenshot displays the 'Inspection Details' page on the Safer Farm website. The page features a dark green header with navigation links and a user greeting. The main content area is white and contains a summary of the inspection, a table of findings, and logos for partner organizations at the bottom.

**Safer Farm** Home Dashboard About Help Hello AgSafetyAaron! Log off

## < Back Inspection Details Generate Report

Site Name: Somsy Farm  
Inspector Name: 1st Inspection 07 08 2016  
Inspection Date: 7/8/2016  
Comment:  
Overall Score: **2.5**

[Edit](#)

**Ungrouped avg score: 2.5**

Type	Category	Score	Comments	High Priority	Image
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Farm Ponds	Other Structures/Accessories	5		<input type="checkbox"/>	
Utility Task Vehicle	Off-Road Vehicles/Machines	1		<input type="checkbox"/>	
Dog Safety	Animals/Livestock	3		<input type="checkbox"/>	
Bull Handling	Animals/Livestock	3		<input type="checkbox"/>	

Marshfield Clinic Research Foundation National Farm Medicine Center

# Farm and Ranch Mapping Resources

- ▶ <https://cropwatch.unl.edu/2024/emergency-planning-essential-home-farm-or-ranch/>
- ▶ <https://extension.umn.edu/farm-safety/creating-farm-emergency-action-plans>
- ▶ <https://www.extension.purdue.edu/eden/ruralsecurity/edoc.html>
- ▶ <https://farmmapper.org/map.php>
- ▶ <https://www.saferfarm.org>



Exploring some useful  
*(hopefully)* emergency prep  
resources from Purdue



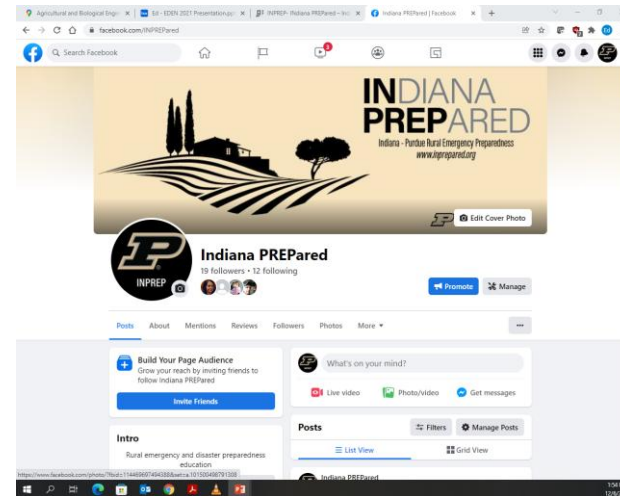
# Indiana PREPared



[www.inprepared.org](http://www.inprepared.org)

- Purdue Extension resource for disaster preparedness, response, recovery, and mitigation.
- Address unique challenges faced by Indiana's farms, agribusinesses, rural residents, and first responders
- Highlight current emergency and disaster-related issues and disseminate timely and specific information.

[Facebook.com/INPREPared](https://www.facebook.com/INPREPared)



# Indiana PREPared Resource Page

- ▶ Primary audiences – Extension staff and teachers
- ▶ Lesson materials, resource pages, videos, news releases, etc.
- ▶ Indiana focus but easily adapted
- ▶ Materials and resources added regularly (*somewhat regularly anyway*)

The screenshot shows the 'EDUCATOR / TRAINER RESOURCES' page on the Indiana PREPared website. The page features a navigation bar with links for Home, Dealer Info, News, Resources, Training Events, and Contact. Below the title, there is a brief introduction stating that IN-PREPared supports Extension Educators, agricultural education instructors, and trainers of first responders by providing various training and educational resources, which are free for use. It also includes contact information for those who want to share their own resources. The main content area is divided into several sections, each with a title and a grid of resource thumbnails. The sections are: 'Indiana PREPared Resources' (with thumbnails for PREP Clips, PREP Notes, Farm Emergency Plans, and a Farm Safety Plan); 'Seasonal or Event Specific Resource Pages' (with thumbnails for Flood Resources, Spring & Summer Severe Weather, Winter Resources, Earthquake, Coronavirus (COVID-19), Snow Weather Preparedness, and Eclipse 2024); and 'Safety & Health Teaching Resources' (with thumbnails for Purdue University Agricultural Safety & Health Program, Glossary of Agrosecurity Terms, Agricultural Safety & Health Resources, and Safe Grain Storage and Handling).



# Inclusive Emergency Preparedness

- ▶ Developed Fall 2024 with team of county educators (ANR, HHS, Youth)
- ▶ Highlights challenges faced by individuals with disabilities during disaster and emergency situations.
- ▶ “Inclusive Emergency Preparedness” teaching lesson materials
  - ▶ Slide set w/ instructor notes
  - ▶ Family Emergency Plan Template
  - ▶ Handouts
    - ▶ Summary flyer
    - ▶ Home Emergency and Go Bag Checklist
- ▶ Resources suitable anywhere (*not Indiana focused except for Purdue logos*)



Welcome to INPREP's & Purdue Extension's Inclusive Emergency Preparedness site!

This site includes resources related to disaster and emergency preparedness for individuals and families impacted by disabilities. Currently, we have posted draft versions of the brand new (as of 10/1/24) "Inclusive emergency preparedness" educational lesson. These materials are designed for extension educators, teachers, and volunteers to teach a 1-hour lesson. The resources include a slide set with full instructor notes, a handout summary sheet, a go-bag prep checklist, and a fillable pdf template for developing a family emergency plan. These materials focus on preparedness needs for everyone, but maintain a focus on those with disability or chronic health challenges. These materials are posted for review by extension staff and others, and will be edited to final form in the near future. In the meantime, if you would like to use the materials before final versions are posted, contact [kjsheld@purdue.edu](mailto:kjsheld@purdue.edu) for copies without "DRAFT" markings. Check back regularly for updates or new resources!



Click above to download a draft version of the "Inclusive emergency preparedness" powerpoint lesson, including full instructor notes.

Note - Large file could take some time to download!



Click above to download a non-draft version of the "Inclusive emergency preparedness" slide set. (Only slides, no instructor notes)



Click above to download the "Inclusive emergency preparedness" handout that accompanies the slide presentation. This flyer includes tips for completing the family emergency plan template.



To download a copy of our home emergency & go-bag supply checklist, click the icon above.



Click above to download a fillable pdf copy of the Purdue extension family emergency plan template. This template can be completed on the computer, or printed and completed by hand.



The inclusive emergency preparedness resources were designed for use as leader lessons for Indiana extension homemakers. Click above for the lesson summary.



# Farm Emergency Plans

- ▶ Resource was the starting point for the Inclusive Emergency Prep materials
- ▶ Resources for developing a customized farm emergency plan
  - ▶ Tips/instructions
  - ▶ Template
  - ▶ Videos and publications
  - ▶ Additional resources
- ▶ Teaching resources
  - ▶ Slide set & notes
  - ▶ Also available as a Gearing Up for Safety Lesson
- ▶ Materials stress importance of accounting for disability issues among family members and farm staff

**Indiana** prepared strongly encourages every farm family to have an emergency plan for their farm operation. At some point, almost every farm operation will face a significant emergency situation, such as a farmworker-related injury, fire, or weather disaster. While having an emergency plan doesn't stop bad things from happening, being prepared for such an event can prevent injuries to other family members or farm staff as well as first responders such as firefighters, EMS, and law enforcement. In addition, a planned response can reduce the potential damage and costs resulting from an emergency situation on the farm.

This site includes a template that families can use to develop an emergency response plan for their farm operation. We suggest the entire farm family, along with employees or other staff be involved in completing this plan. For any plan to be successful, during an emergency, everyone needs to be "on the same page," by creating the plan together, all farm personnel will have input and will understand their own roles and responsibilities.

- The template is set up to be a resource for both the farm family, staff and for emergency responders.
- We recommend the producer shares the plan with their local fire department / first responders.
- County avia directors may be willing to input the plan information into the county avia system so the air dispatcher has immediate access during an emergency call.
- Insurance companies may offer a discount if a farm has a formal emergency plan.
- Store a copy of your farm emergency plan in a permanent accessible and marked location on the farm for use by first responders.

NOTE: the farm emergency plan template was originally developed as a special project of Purdue Extension - Wayne County in 2016. The template has been used to develop emergency plans for various farm operations, and has been reviewed by first responders, EMS, and safety education professionals.

Emergency Plan Template and Resources (pdf)

**Farm Emergency Plan Template** | **Farm Emergency Plan Tips and Guidance** | **PPP-57 "Managing Farm Emergencies"** | **PPP-64 "Rural Security Planning"**

**Farm & Ranch Emergency Planning Videos**

PREPcolip: Emergency Preparedness (Creating an Emergency Plan) | PREPcolip: Emergency Weather Preparedness - After the Event | Collaboration Between Farms, Local Emergency Planning Committees, and Emergency Responders

**Additional Resources for Farm Families and Educators**

**Code Red**  
Accessing vital paperwork and personal or business information is essential to recovery from a disaster or emergency. This tool developed by the Purdue Women in Agriculture team stores passwords, bank account information, rental agreements, insurance papers, power of attorney documents, and much more.

**Farm Safety Inventory**  
A great project to complete along with a farm emergency plan is a safety inventory of your farm operation. Click the icon below to access Purdue Agriculture Safety & Health's farm & ranch safety inventory. This inventory covers all facets of most farm operations, and helps farm families identify

**Disaster Preparedness Guide for Caregivers**  
Farmers are somewhat unique in that we typically both live and work at the same location. Commonly, farm families serve as caregivers to elderly relatives, or individuals with disabilities. As caregivers, those in

# Avian Flu Resources

- ▶ New site – included because it's a really big topic right now
- ▶ Intended as tool for Extension educators
- ▶ Variety of resources to answer “most” questions about HPAI and provide material for news releases, interviews, workshops, etc.
  - ▶ Current status – Indiana and national
  - ▶ Publications
  - ▶ Social media releases
  - ▶ Video clips
- ▶ Includes information on human health issues



This site is a resource library for information about avian influenza. Resources and materials developed by state and federal government agencies, researchers, and university extension staff are compiled here for access. The site will focus on information specific to Indiana, but many resources will be applicable elsewhere.

#### What is HPAI?

Avian influenza, or “bird flu,” is a contagious viral disease of domestic and wild birds. It’s a major threat to the poultry industry, animal health, trade, and the economy worldwide.

Caused by influenza type A viruses, the disease varies in severity depending on the strain and species affected. Highly pathogenic avian influenza (HPAI) strains are deadly to domestic poultry and can wipe out entire flocks within a matter of days. Low pathogenicity avian influenza (LPAI) strains typically cause few or no signs of illness. They occur naturally in wild birds around the world. However, some LPAI strains can become highly pathogenic in poultry. (USDA-APHIS)

According to the Centers for Disease Control and Prevention (CDC):

- H5 bird flu is widespread in wild birds worldwide and is causing outbreaks in poultry and U.S. dairy cows with several recent human cases in U.S. dairy and poultry workers.
- While the current public health risk is low, CDC is watching the situation carefully and working with states to monitor people with animal exposure.

#### Current Situation

Indiana HPAI Cases in Domestic Poultry



Reporting Sick or Dead Wildfowl - Indiana



National HPAI Cases in Domestic Poultry



National Cases in Wild Birds



#### EDUCATOR TOOLS

Thank you to Purdue Extension Specialists and county Extension Educators for developing and sharing many of these materials!

Extension Educator Letter to Poultry Producers in Outbreak Area - MS Word



Purdue Extension Social Media Post - "Protect Your Flock"

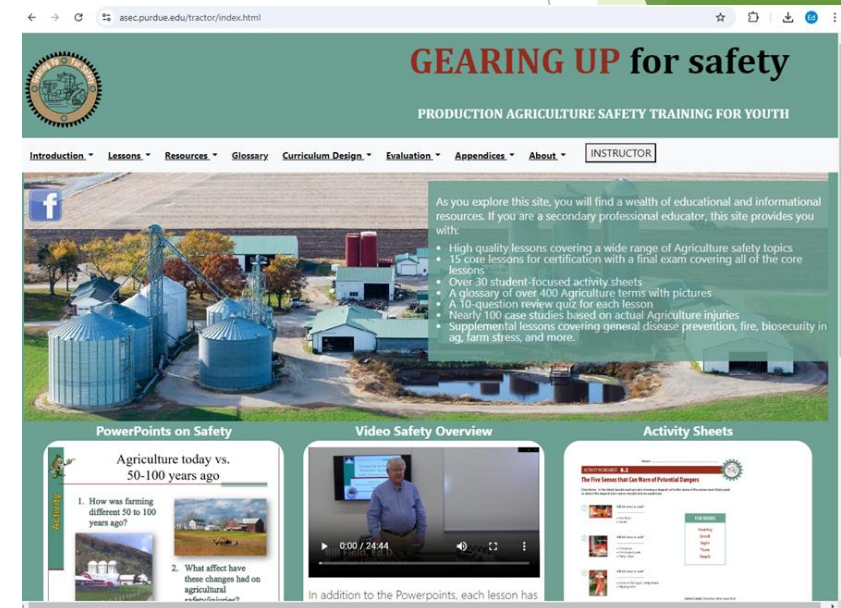


\*Check Official Sources for Information on Avian Flu\*, Purdue Ext. Whitley County



# Gearing Up for Safety

- ▶ Original development – 1990's, with several updates since
- ▶ Hazardous Occupations Orders for Agriculture Certification for youth 14 & 15 years old
- ▶ 2018 – present: major update
  - ▶ Additional lessons
  - ▶ Broadened scope
  - ▶ National promotion
- ▶ Currently 30 lessons available, more in development
- ▶ Each lesson approximately 50 minutes (or more depending on instructor)
- ▶ Several appropriate for emergency preparedness



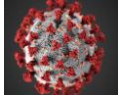
# Gearing Up Emergency/Disaster Prep Lessons



General Farm and Ranch Safety Overview



First Aid and Emergency Response



General Disease Prevention for Young Agricultural Workers



Preventing Fires, Explosions, and Burn Injuries on Farms and Ranches



Biosecurity in Agricultural Operations



Farm Youth Stress Management



Farm and Ranch Emergency Planning



Inclusive Emergency Preparedness (coming soon)



Agrosecurity (coming soon)



Weather Preparedness(coming soon)



# Resources

*Strengthen Resilience with Personal Planning and Readiness*



# Extension Disaster Education Network

*Reducing the impact of disasters  
through research-based education.*



The Extension Disaster Education Network (EDEN) is a collaborative multi-state effort by Cooperative Extension Services across the country to improve the delivery of services to people affected by disasters.





<https://extensiondisaster.net/>



- ▶ Searchable database of resources and educational materials focused on helping people address all-hazards disaster events.
- ▶ Professional development webinars.
- ▶ Directory of EDEN delegates representing member institutions in all 50 states and three U.S. territories.

# Educator / Trainer Resources



Educator / Trainer Resources



AND



# Thank you!!

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