

Defining EDEN

The Web Site

Beyond the Web

Learning
Opportunities

Summary

EDEN

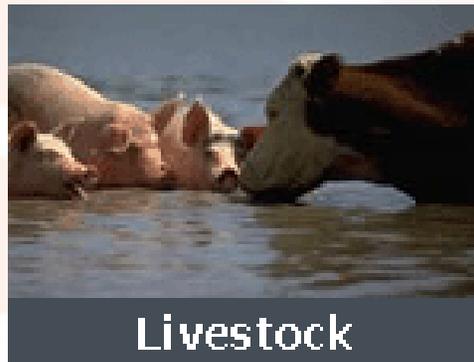
Agrosecurity Education

Steve Cain

EDEN Homeland Security Project Director

Avian Influenza Conference

September 18, 2007



Livestock

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Disaster Impacts:

U.S. Disasters costs

\$1 to \$2 billion per week.



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Extension's Impact:

- All disasters are local
- Extension is local.



Who To Contact

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Extension's Impact:

We have an educational role during the five phases of emergency management.

Mitigation

Response

Prevention

Recovery

Preparedness

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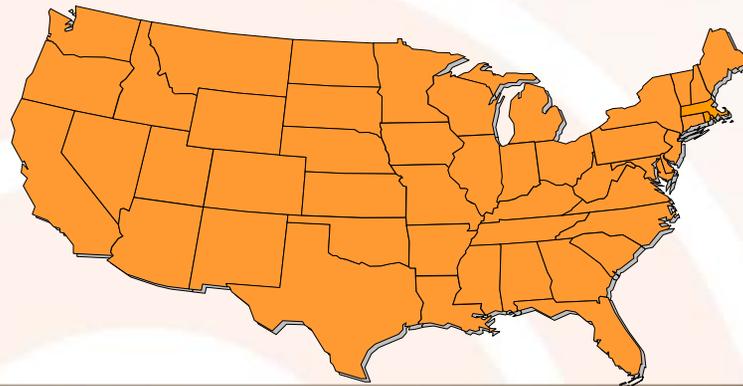
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What is EDEN?

A multi-state effort

- to share education resources
- to reduce the impact of disasters



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The Beginning

EDEN formed in 1994

- After the North Central floods
- Extension professionals seeking a network

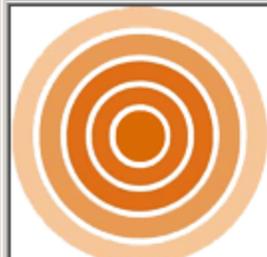


The EDEN Web Site

- Disaster topics
- Expert contacts
- Land Grants
- Disaster links



The screenshot shows the EDEN website interface. On the left, there are navigation menus for 'Issues' (Pandemic Flu, Avian Influenza, Mold, Children and Disasters, More issues), 'Resources' (Extension Websites, Non-Extension Websites, EDEN Delegates, POCs), and a 'Search EDEN' section with a search box and checkboxes for 'Search Web Site' and 'Search EDEN Catalog of Resources (Advanced search)'. The main content area features the EDEN logo, a 'Regional Animal AgroSecurity Conference' announcement with a link to 'Regional AgroSecurity Conferences', and a 'News & Features' section with a link to 'Interpol Official Warns of Bioterror Threat'. A 'Select state using drop box' is visible in the top right corner. The date 'March 22, 2007' is shown in the bottom right corner.



Avian Influenza

Last Edited: 9/11/2007

Disaster Education Network

www.eden.lsu.edu

- [Avian Influenza H5N1 and the United States](#)
- [Advice to Flock Owners and the Public](#)
- [Avian Influenza vs. Bird Flu vs. Pandemic Flu](#)
- [Avian Influenza Resources](#)

Introduction to Avian Influenza

[Avian Influenza](#) is a disease of wild birds and domestic poultry caused by many different subtypes of Type A influenza virus. The natural reservoir for Type A influenza viruses is wild water birds such as ducks and geese. New influenza A subtypes are continually emerging in the waterfowl population.

Seasonal influenza outbreaks in people, which occur almost every winter, are caused by either Type A or Type B influenza viruses. Influenza Type C infections cause a mild respiratory illness, but are not usually responsible for outbreaks of the flu. Type A viruses are found in both people and animals, whereas Type B

Influenza Subtypes

Influenza subtypes are named for two antigens present on the surface of the virus. These are:

- H (hemagglutinin)
- N (neuraminidase)

There are 16 possible H antigens and 9 possible N

Author(s): Simon Kenyon ([IN](#)), Kim Cassel ([SD](#)), Tanya Graham



Best viewed in MS Internet Explorer:

Hosted by the LSU AgCenter
Louisiana Cooperative Extension Service
[Contact Us](#)



- Issues
- ▶ [Agro](#)
 - ▣ [Anth](#)
 - ▣ [Avian](#)
 - ▶ [BSE](#)
 - ▣ [Child](#)
 - ▣ [Class](#)
 - ▣ [Drou](#)
 - ▣ [Foot](#)
 - ▶ [Hurri](#)
 - ▣ [Mold](#)
 - ▶ [Pand](#)
 - ▶ [Plan](#)
 - ▣ [Stor](#)
 - ▣ [Torn](#)
 - ▣ [Tsun](#)
 - ▣ [West](#)



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The Membership

- Educators
- Specialists
- Experts
- Liaisons
- Collaborators
- Consultants

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More Than Just a Web Site

When the lights go out,
disaster recovery depends on
developed and working
partnerships.

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Working Relationships

- Partner with State & Federal
- Dedicated to CARTS & SARTS
- Work within the CEMP

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EDEN at Work

A National Example: Hurricanes Katrina & Rita



A State Example

Texas Extension

- Best practices to reduce wildfires



A State Example

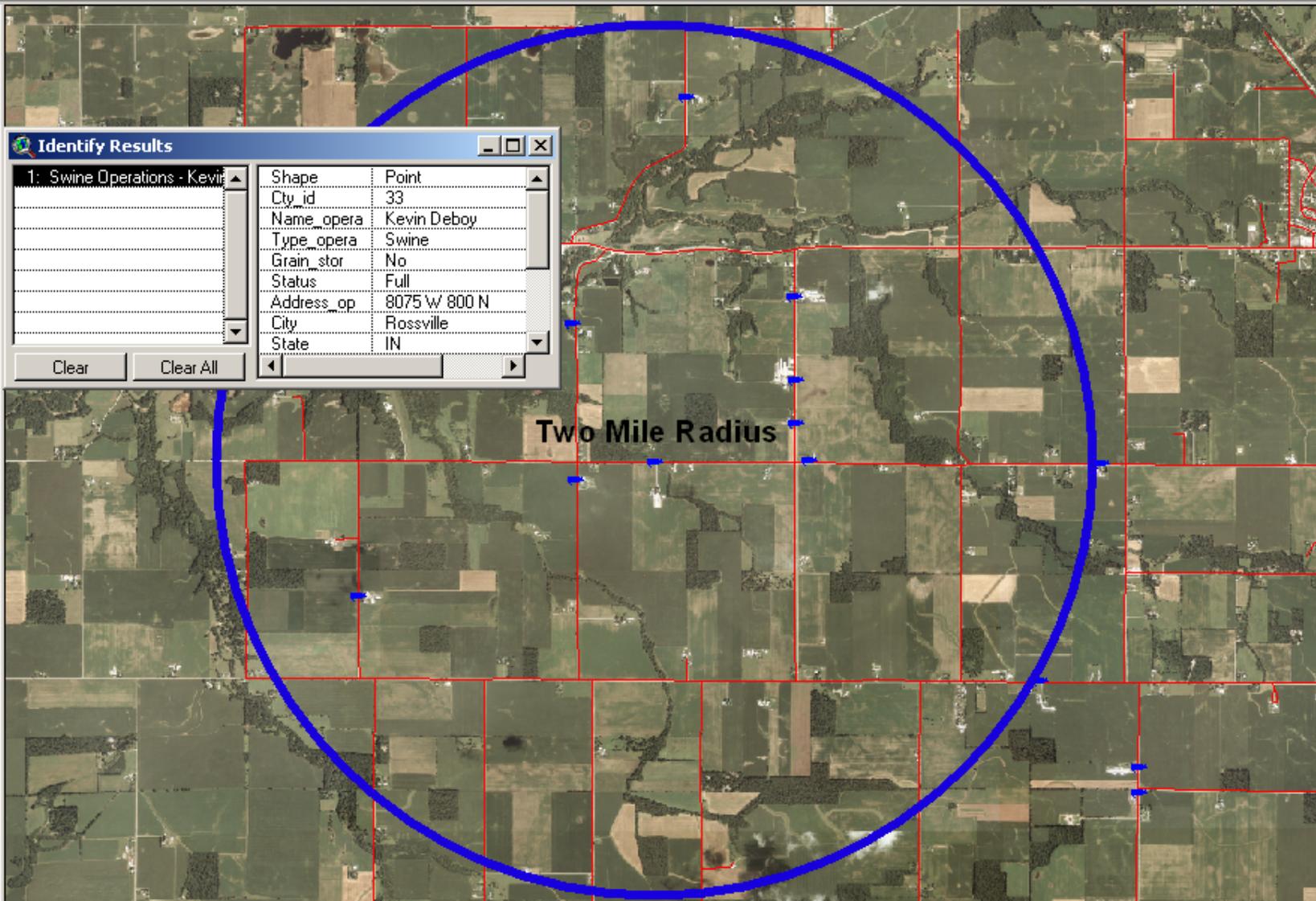
New Mexico State Extension:

- Key people ICS/NIMS trained





- Veterinary Clinics
- Livestock Markets
- Fertilizer and Chem
- Grain Storage
- Animal Feed Supp
- Backyard Poultry
- Cattle Operations
- Commercial Poultr
- Dairy Operations
- Equine Operations
- Mixed Operations
- Sheep & Goat Ope
- Swine Operations
- Gpsclinton.dbf
 - Airport
 - Armory
 - Church
 - Community I
 - EMOC



Identify Results

1: Swine Operations - Kevin	Shape	Point
	Cty_id	33
	Name_oper	Kevin Deboy
	Type_oper	Swine
	Grain_stor	No
	Status	Full
	Address_op	8075 W 800 N
	City	Rossville
	State	IN

Clear Clear All

Homeland Security

	Urgent
Drinking water security	78%
Food security	64%
Individual's role	57%
Government's role	55%
Animal biosecurity	50%
Personal security	48%
Farm security	45%
Financial security	42%
Plant/crop biosecurity	37%

Homeland Security

A farmer would turn to
Extension:

- 1st Choice (79%) – Plant
- 2nd Choice (54%) – Animal

Homeland Security

A provider of online curriculums

- Train-the-Trainer
- Designed to teach educators/agents on pertinent topics
- Provides tools needed to teach the intended audience

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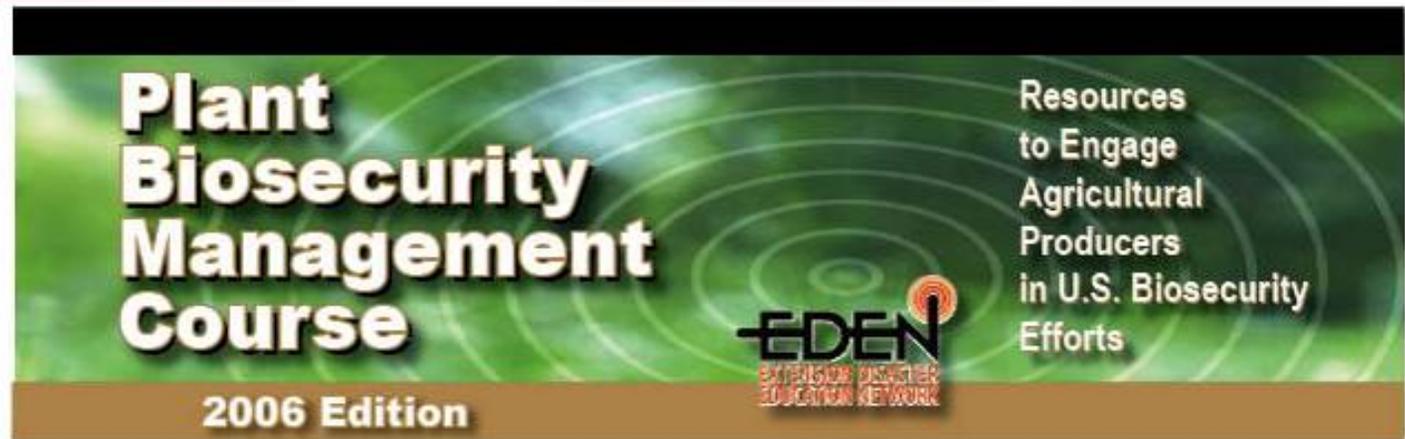
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Current Curriculums

Plant Biosecurity Management Course, 2006 Edition - University of Missouri



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Plant Biosecurity Preparedness Plan for U.S. Agricultural Producers

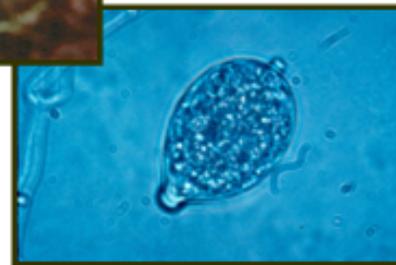


*Planning, preparedness, and mitigation tools to fight
intentional and unintentional plant biosecurity problems
on U.S. farms, orchards, nurseries, and vineyards*

Introduction to Terrorism Against U.S. Agriculture:



Protecting Crops through Plant Biosecurity Management



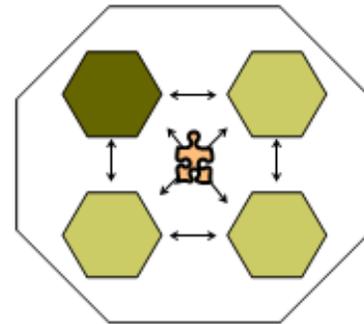
This slide show was adapted from a December 2003 presentation by James Schoelz, Ph.D., at the Missouri Summit on AgroTerrorism. Schoelz is Professor and Chair of the Department of Plant Microbiology and Pathology at the University of Missouri-Columbia.

Features

- Conduct biosecurity risk assessment
- Map the operation
- Create emergency response instructions
- Perform drills
- Involve others
- Install mitigation efforts

Producers' roles--*continued*:

Preparedness
Response
Recovery
Mitigation



Preparedness: Producers' activities that help prepare for an appropriate response to a potential biosecurity hazard or problem.

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Current Curriculums

OnGuard: Protecting America's Food System

- University of Minnesota



Current Curriculums

USDA Roles in the National Response Plan

- North Dakota State University



Current Curriculums

Ready Business

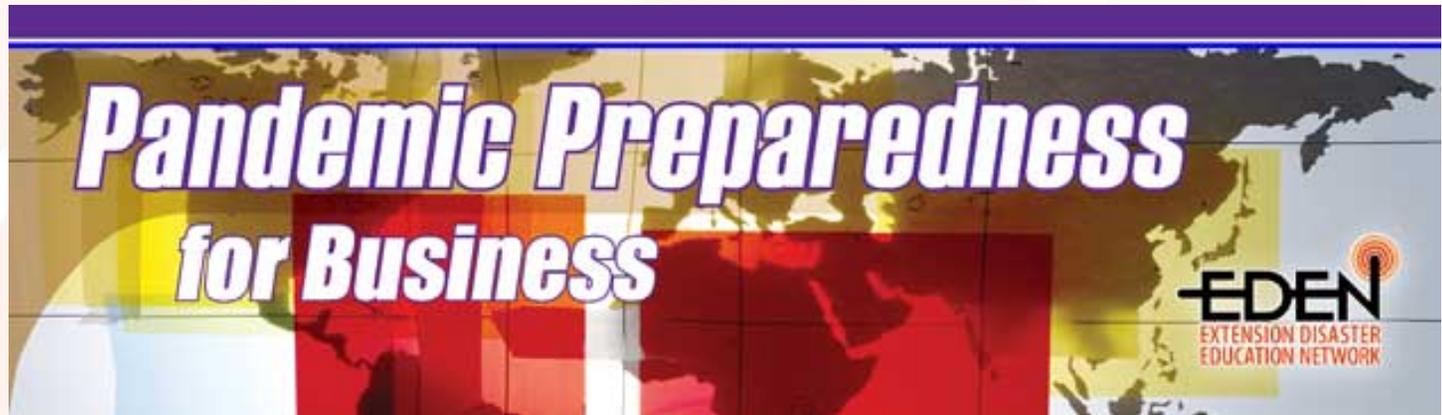
- A collaborated effort by EDEN and DHS – Purdue University



Current Curriculums

Pandemic Preparedness for Businesses

- DHS & Purdue University



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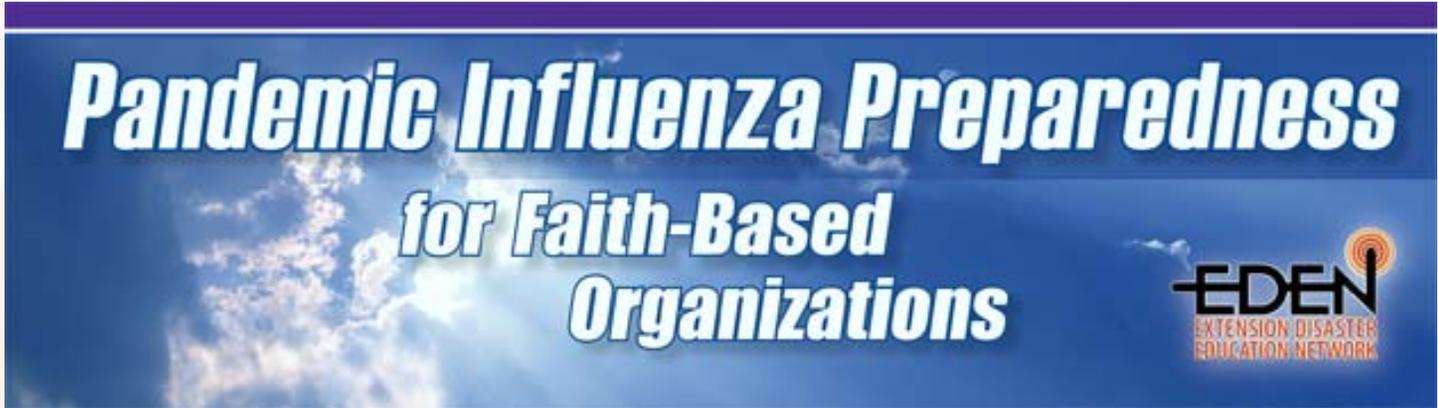
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Current Curriculums

Pandemic Influenza Preparedness for Faith- Based – CDC & Purdue



***Pandemic Influenza Preparedness
for Faith-Based
Organizations***





Animal BioSecurity

and Emergency Management Course

- Natural Hazards
- All Hazards
- Interdisciplinary
- Animal Management



- Incident Management
- Farm Management
- Off-farm biosecurity
- Practical Applications
 - ◆ University of Kentucky

Expanding National Access

eXtension

- Pioneering Community of Practice
 - Focus: Floods & Agrosecurity
 - University of Maryland on AI





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Get to Know EDEN

Thank You

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