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**10th Annual All-Hazards Emergency Management
Higher Education Conference**

June 4-7, 2007

THEME – BACK TO BASICS

Emergency Management Institute, Emmitsburg MD

***The Extension Disaster
Education Network (EDEN)***

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The Extension Disaster Education Network (EDEN)

Dave Filson

**Emergency Preparedness and Response Coordinator
Penn State Cooperative Extension**

EDEN Chair Elect

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Cooperative Extension Service

What is Extension ?

- Federally affiliated with the U.S. Department of Agriculture
- Affiliated with Land- and Sea-Grant colleges and universities in every state
- Serves every county in the country
- Takes university research to the people through informal education
- Runs the 4-H Clubs, the Master Gardener Program, and many more

Connection to USDA

All universities engage in research and teaching, but the nation's more than 100 Land-Grant colleges and universities, have a third critical mission — extension.

“Extension” means “reaching out,” and — along with teaching and research — Land-Grant institutions “extend” their resources, solving public needs with college or university resources through non-formal, non-credit programs.

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Connection to USDA

- **4-H Youth Development** — cultivates important life skills in youth that build character and assist them in making appropriate life and career choices
- **Agriculture** — research and educational programs help individuals learn new ways to produce income through alternative enterprises, improved marketing strategies, and management skills and help farmers and ranchers improve productivity through resource management, controlling crop pests, soil testing, livestock production practices, and marketing.
- **Leadership Development** — trains extension professionals and volunteers in the community.

Connection to USDA

- **Natural Resources** — teaches landowners and homeowners how to use natural resources wisely and protect the environment
- **Family and Consumer Sciences** — helps families become resilient and healthy by teaching nutrition, food preparation skills, positive child care, family communication, financial management, and health care strategies.
- **Community and Economic Development** — helps local governments investigate and create viable options for economic and community development, such as improved job creation and retention, small and medium-sized business development, **effective and coordinated emergency response**, solid waste disposal, tourism development, workforce education, and land use planning.

Cooperative Extension Roles

- Agricultural & Food Biosecurity
- Agricultural Systems
- Animals & Animal Products
- Biotechnology & Genomics
- Economics & Commerce
- Education
- Families, Youth & Communities Food, Nutrition & Health
- International
- Natural Resources & Environment
- Pest Management
- Plants & Plant Products
- Technology & Engineering



Cooperative State Research, Education, and Extension Service

- Coordinate use of Land-Grant and other cooperating state college and university services in carrying out all emergency programs responsibilities
- Encourage research by these institutions to support all emergency programs responsibilities





Cooperative State Research, Education, and Extension Service

- Administer informational and educational services covering:
 - Farms, other rural residents, and the food and agricultural industries on emergency needs and conditions
 - Vulnerability of crops and livestock to the effects of hazardous agents (biological, chemical, and radiological)
 - Technology for emergency agricultural production





Cooperative State Research, Education, and Extension Service

- Maintain a close relationship with local news media through the Cooperative Extension System
- Provide guidance on the most efficient procedures to assure continuity and restoration of an agricultural technical information system under emergency conditions

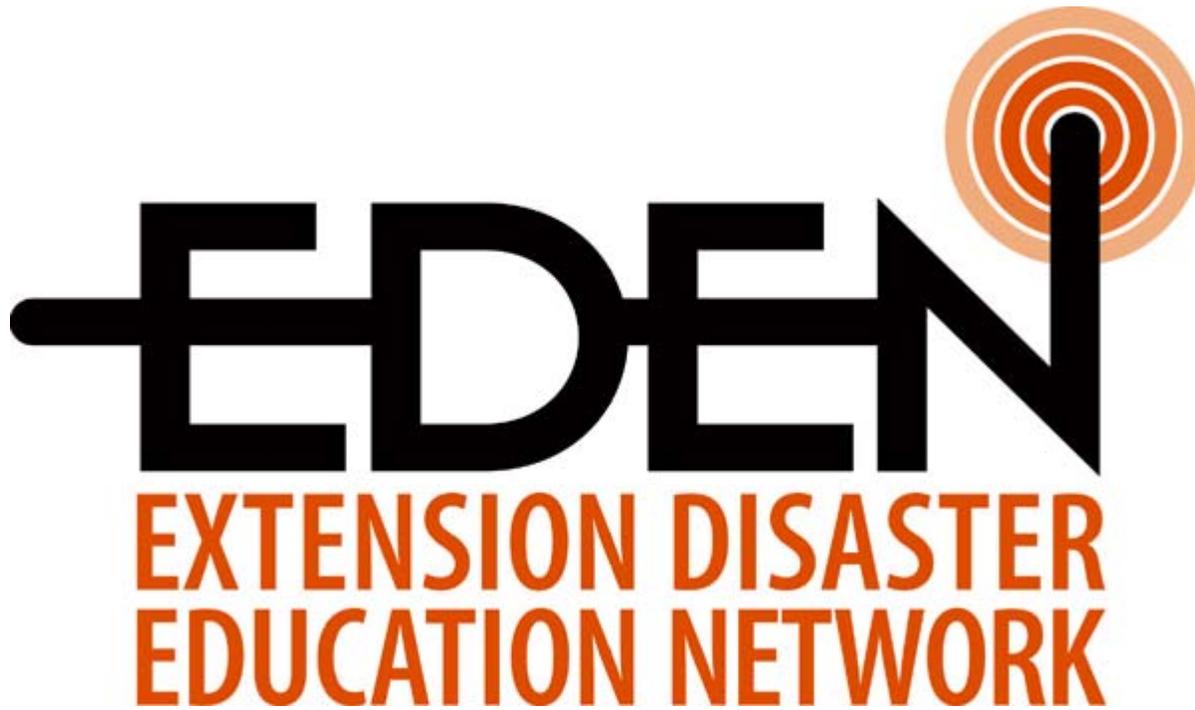


Cooperative State Research, Education, and Extension Service

- Provide support as required to the Federal Response Plan at the national and regional levels
- Furnish Chairpersons, USDA State and County Emergency Boards two copies of records and procedures for operating Cooperative State Research, Education and Extension Service emergency programs — Emergency records will be filed at the State and County Farm Service Agency offices and Emergency Operations Centers



www.eden.lsu.edu



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Extension Disaster Education Network (EDEN)

The Beginning

- Formed in 1994 following the North Central floods when Extension educators recognized a need for a network that could share education resources.

Extension Disaster Education Network (EDEN)

What is EDEN?

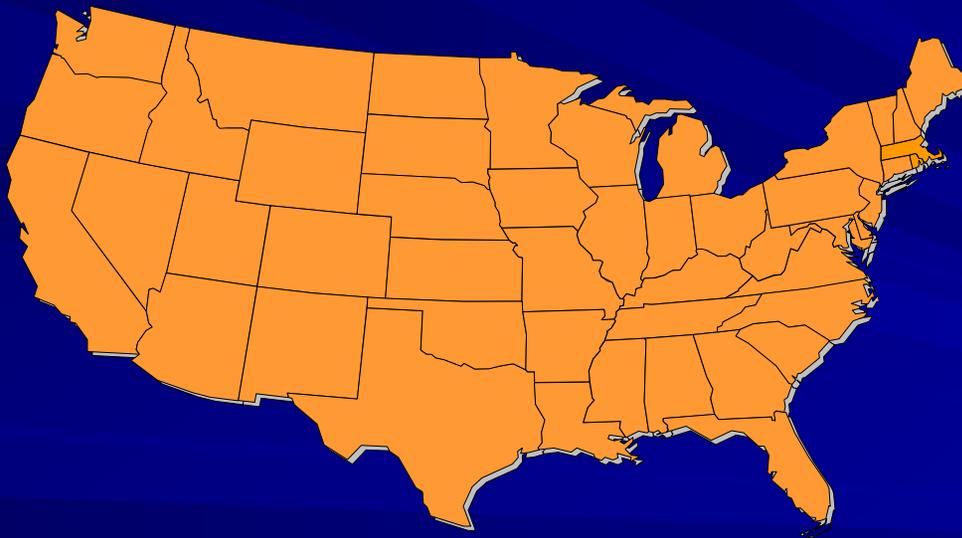
A collaborative multi-state effort by Land-Grant institutions across the country to share education resources to reduce the impact of natural and man-made disasters through:

- Interdisciplinary and multi-state research and education programs addressing disaster mitigation, preparation, response and recovery;
- Linkages with federal state and local agencies and organizations;
- Anticipation of future disaster education needs and actions;
- Timely and prompt communications and delivery of information that meets audience needs;
- Credible and reliable information

Extension Disaster Education Network (EDEN)

Today's EDEN

50 states and 3 U.S. territories



and...

- Alaska
- Hawaii
- Puerto Rico
- Guam
- Virgin Islands

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Extension Disaster Education Network (EDEN)

- *Leadership* for EDEN is provided by the **Executive Committee**.
- The Executive Committee is comprised of the elected officers - a representative of each USDA region (North Central, Northeast, Southern, Western, and 1890 Institutions).
- *Ex officio* members include representatives of the institutions providing principle functions - Communications and Internet.

Standing Committees:

- Professional Development
- Marketing
- Information Clearinghouse
- Annual Meeting
- Nominating
- Development

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A National Example

- Hurricanes Katrina & Rita
(Fall 2005)

When Katrina and Rita slammed into the Gulf Coast, EDEN set up educational Web pages and worked with Extension on an FAQ site in order to bring the knowledge of experienced Extension colleagues to the affected states.



Extension Disaster Education Network (EDEN)

A National Example

- September 11, 2001

Within hours of the attacks, EDEN had posted a fact sheet to help parents talk with their children about terrorism. At day's end, thousands of daycare centers had given the fact sheet to parents picking up their children.



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A National Example

- BSE- Mad Cow

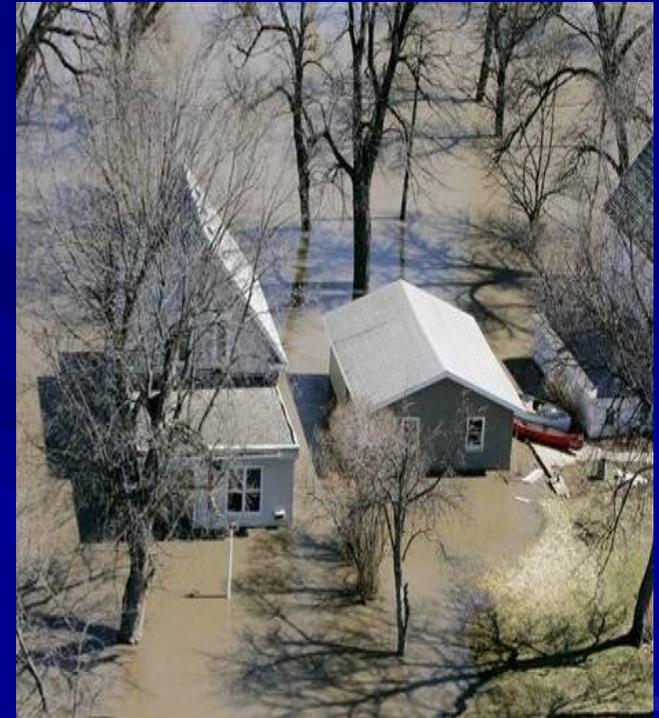
(December 2003) Within 24 hours of the confirmed BSE case, EDEN had developed and posted a Web page with up-to-date information, in addition to resources from EDEN member states and USDA agencies.

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A State Example

- **North Dakota** - Flood of April 2006
 - EDEN POC: Becky Koch (NDSU)

Photo Credit:
Associated Press



Extension Disaster Education Network (EDEN)

A State Example

- **Indiana** - Tornadoes of November 2005
 - EDEN POC:
Steve Cain (Purdue)

Photo Credit:
Lora Douglas,
Flatrock, IN



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A State Example

- **Louisiana** -
Hurricanes Katrina
& Rita
 - EDEN POC:
Pat Skinner
(LSU)



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Partners 16

Protecting the Homeland

From the threats of global disease to the devastation of Gulf Coast hurricanes, CSREES funded projects are helping Americans through trying times.

Help From EDEN

Hear extension agents and others who used EDEN, a powerful disaster database, to help farmers and others impacted by Hurricanes Katrina and Rita.

The screenshot shows the CSREES website interface. At the top, it says 'USDA United States Department of Agriculture Cooperative State Research, Education, and Extension Service'. Below this is a navigation bar with links for Home, About Us, Funding Opportunities, Forms, Business with CSREES, Newsroom, Help, and Contact Us. The main content area is titled 'Newsroom' and features a search bar, a 'Browse by Subject' sidebar, and a list of segments. The 'Partners 16' segment is highlighted, with a sub-section for 'Protecting the Homeland'. This section includes a description of the project, a 'Preview (:35)' with low and high speed options, and an 'Entire Program (26:50)' also with low and high speed options. Below this are several 'Segments' with small video thumbnails and titles: 'Shelters From The Storm', 'The Front Line', 'Defending The Flock', and 'Help From EDEN'. Each segment includes a brief description and low/high speed viewing options. On the right side of the page, there is a 'Related Information' section with links to Louisiana House, Tuskegee's Healthy House, Avian Influenza CAP Grant Projects, and EDEN. Below that is a 'Newsroom' section with links to order a free DVD, view episode transcripts, and view past episodes. A 'Next on Partners...' section features a thumbnail for 'Feeding America (:35)' with low and high speed options.

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To view the *Partners* video:

CSREES

Partners 16

Protecting the Homeland

http://www.csrees.usda.gov/newsroom/partners/partners_16.html

OR

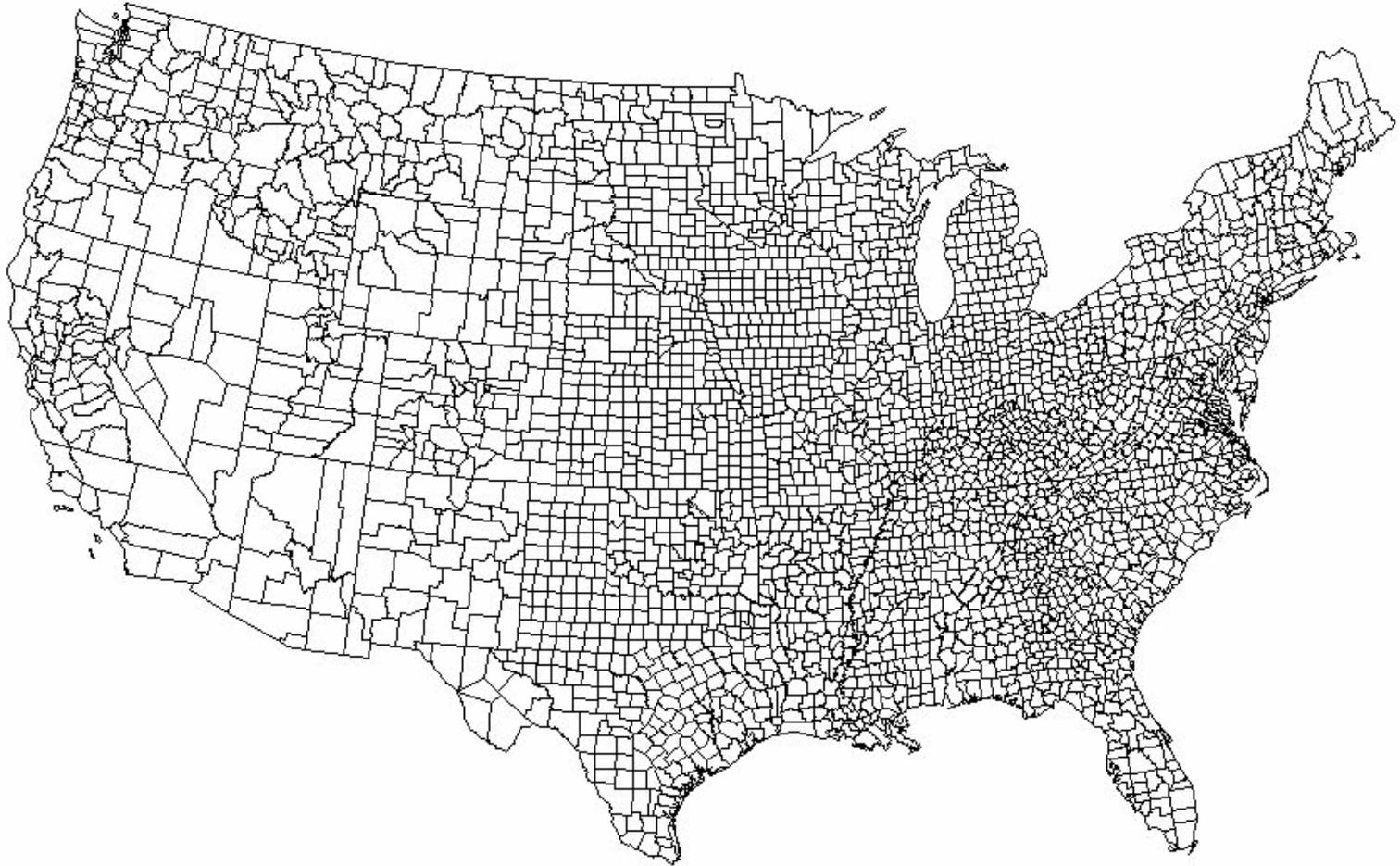
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The Network

Partners - Video featuring EDEN Hurricane Recovery

<http://www.eden.lsu.edu/>

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An outline map of the counties of the 48 contiguous United States. Copyright 2000 Matt Rosenberg and About.com.

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Established Partnerships

- DHS
- FEMA
- VOAD
- State Departments of Agriculture
- State Departments of Health
- State and Local Emergency Management

Extension Disaster Education Network (EDEN)

Learning Opportunities

- A provider of online curriculums
 - Train-the-Trainer
 - Designed to teach educators/agents on pertinent topics
 - Provides tools needed to teach the intended audience

Extension Disaster Education Network (EDEN)

EDEN-produced...

— Online —
Learning Opportunities



EDEN: Reducing the Impact of Disasters

EDEN
EXTENSION DISASTER EDUCATION NETWORK

Learning Opportunities

All courses are available at: www.EDEN.Isu.edu/LearningOps

	Plant Biosecurity Management Course Teaching plant biosecurity management to those involved in the U.S. agricultural sector. Developed for EDEN by the University of Missouri
	OnGuard: Protecting America's Food System Helping citizens understand their role in food protection. Developed for EDEN by the University of Minnesota
	USDA's Roles in the National Response Plan Teaching Extension professionals how the USDA and Extension System fit in the National Response Plan. Developed for EDEN by North Dakota State University
	Ready Business: Preparing a Disaster Business Plan Helping businesses understand the importance of developing a disaster plan. Developed for EDEN by Purdue University in cooperation with the Department of Homeland Security (DHS)
	Pandemic Preparedness for Business Helping businesses examine the potential impact of a pandemic and develop a disaster plan. Developed for EDEN by Purdue University
	Pandemic Influenza Preparedness for Faith-Based Organizations Enables FBOs to protect the health of their staff and communities, as well as write a preparedness and response plan. Developed by EDEN in collaboration with the Centers for Disease Control and Prevention.

EDEN Courses Coming Soon:

- Animal Biosecurity/Emergency Management Course

www.EDEN.Isu.edu

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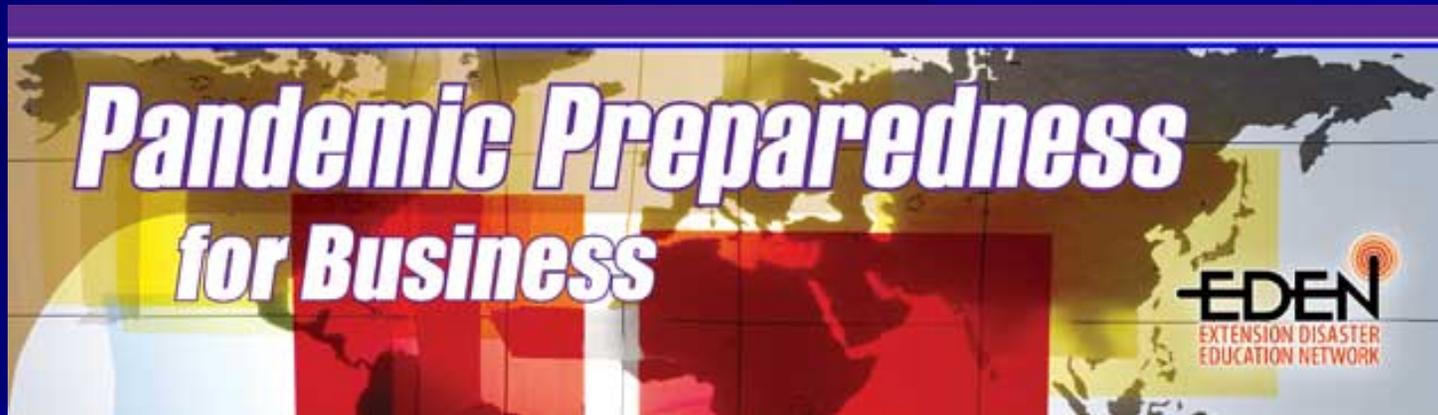
Ready Business

Preparing a Disaster Business Plan



Extension Disaster Education Network (EDEN)

Pandemic Preparedness for Businesses



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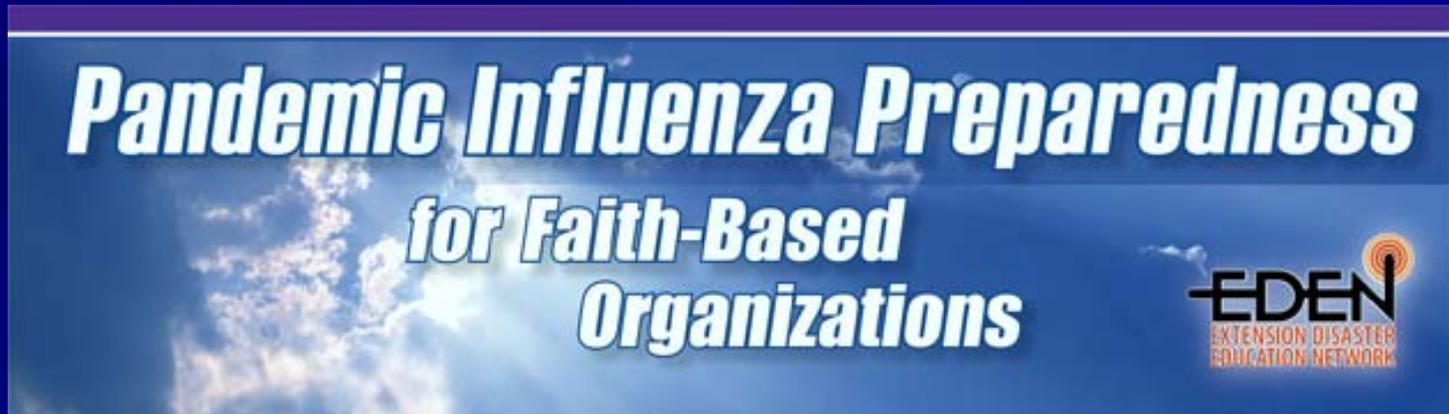


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Pandemic Influenza Preparedness for Faith-Based Organizations



Extension Disaster Education Network (EDEN)

OnGuard: Protecting America's Food System

Created by Univ. of Minnesota



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Extension Disaster Education Network (EDEN)

USDA Roles in the National Response Plan

Created by North Dakota State Univ.



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Extension Disaster Education Network (EDEN)

Plant Biosecurity Management Course, 2006 Edition

Created by University of Missouri



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Extension Disaster Education Network (EDEN)

Animal Biosecurity and Emergency Management Course

Created by University of Kentucky



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By the end of a conference, attendees will be able to describe the roles of Extension and other agencies/organizations in an animal agrosecurity event within their region. Conference attendees will be able to identify key roles and players in:

- Emergency and disaster management in an animal agrosecurity event
- Education during all phases of emergency and disaster management
- Partnership development within and across states
- Crisis communication related to an animal agrosecurity event
- State animal response team development
- Educational program and material development/delivery for an animal agrosecurity event

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eXtension



- **eXtension** is an interactive learning environment delivering the best, most researched knowledge from the smartest minds at Land-Grant universities across America.
- **eXtension** complements and enhances the community-based Cooperative Extension System of the Land-Grant universities.

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The EDEN Community of Practice **eXtension** project builds on the EDEN multidisciplinary model to develop educational resources and provide timely technical assistance on floods, agrosecurity, and Avian Influenza.

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- Flooding or excess moisture (whether the source be hurricane, rain, broken pipes, etc.) and its related problems (safety and health issues, cleanup, sanitation, mold, insurance, etc.)
- Agrosecurity (farmstead, plant, livestock, allied industries; both intentional and accidental)
- Avian Influenza -- Year 2 Community of Practice

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www.eden.lsu.edu

Issues

[Pandemic Flu](#)
[Avian Influenza](#)
[Mold](#)
[Children and Disasters](#)
[More issues](#)

Resources

[Extension Websites](#)
[Non-Extension Websites](#)
[EDEN Delegates](#) [POCs](#)

Search EDEN

- Search Web Site
- Search EDEN Catalog of Resources ([Advanced search](#))

Online
**Learning
Opportunities**

[Learning Opportunities](#)



[2007 Annual Meeting](#)

The Network

[About EDEN](#)
[EDEN Intranet](#)
[EDEN Briefs](#) (Newsletter)
[Partners - Video featuring EDEN Hurricane Recovery](#)



Information by State
Select state using drop box

Regional Animal AgroSecurity Conference



[Regional AgroSecurity Conferences](#)

News & Features

[Update: Melamine and Melamine-Related Compounds](#)

Kim Cassel

May 09, 2007

As the investigation continues, wheat flour (not wheat gluten and rice protein concentrate) has been found to be the product adulterated with melamine and melamine-related compounds.

[Triumph Over Tragedy CD/DVD Curriculum](#)

Brenda Wiens

April 11, 2007

Developed from current research and a decades's worth of experiences assisting communities in response to large-scale disaster, Triumph Over Tragedy, Second Edition, focuses on helping individuals and communities cope with the emotional impacts of disaster events.

[H5N2 Detected in West Virginia](#)

Kim Cassel

April 02, 2007

On Saturday, March 31, 2007, the National Veterinary Services Laboratories confirmed that test results for samples collected the day before from turkeys at a farm in West Virginia are indicative of exposure to an H5N2 avian influenza virus.

[Interpol Official Warns of Bioterror Threat](#)

Dave Filson

March 22, 2007

Interpol's top official, on March 20, 2007, said that evidence collected from terrorists suggests that international law enforcement agencies should be ready to respond to chemical and biological attacks.

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Issues pages --- search --- power outage

Resources - Contact an EDEN Delegate from the sponsoring state to obtain resources not available online.

To capture the address for this list, [Right Click Here](#), and choose "Copy Shortcut".

Safe Food Handling During Power Outages (more)

Website: <http://www.ag.uiuc.edu/~disaster/facts/food.html>

Description:

Provides information about what food should be thrown out after a power outage..... (more)

Preparing Food During a Power Failure (more)

Website: <http://www.ag.uiuc.edu/~disaster/facts/powerout.html>

Description:

Provides information about how cooking and eating habits must change after a po..... (more)

Emergency Food Safety (more)

Website not available.

Description:

Storms may cause conditions that affect the safety of food. The fact sheet cont..... (more)

Disaster Publications (more)

Website: <http://www.ext.vt.edu/pubs/disaster/disaster.html>

Description:

Series of publications on preparing for and handling the aftermath of disasters..... (more)

Surviving and Recovering from a Power Outage (more)

Website: <http://www.louisianafloods.org/recovery/publications.asp>

Description:

Part 2 of Natural Hazards Series: Recovery. 6 pages. Topics: Generators, Food..... (more)

http://www.lsuagcenter.com/eden/Resource_Search.aspx

Picking Up the Pieces - Spring Problem Brochure (more)

Website: <http://www.extension.umn.edu/units/dc/item.html?item=07370>

Description:

Provides general information for dealing with spring/summer disasters. Tips on:..... (more)

Handling Food When the Power Goes Off (more)

Website: <http://www.ag.ndsu.nodak.edu/flood/foodpowr.htm>

Description:

Lists foods that should keep at room temperature and which ones need to be refr..... (more)

Recovering From Disaster: Prevent food from spoiling (more)

Website not available.

Description:

Two-page fact sheet on how to preserve food after a power outage. Keywords: Fa..... (more)

Recovering From Disaster: Elderly at risk of hypothermia (more)

Website not available.

Description:

Winter storms with freezing rains and scattered power outages put elderly at a (more)

Preparing for Emergencies: A Consumer's Guide (more)

Website: <http://pubs.cas.psu.edu/freepubs/ui361.html>

Description:

This eight-page publication aims to help you prepare your home and family for e..... (more)

Standby Electric Power (more)

Website not available.

Description:

Explains how a properly sized, installed and maintained standby electric power (more)

Emergency Response Fact Sheets (more)

Website: <http://www.umext.maine.edu/emergency/tblcontent.htm>

Description:

20 fact sheets covering how to prepare for winter storms, power

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- 00 Guides to the Disaster Handbook
- 01 Introduction and Resources
- 02 Disaster Preparedness
- 03 During the Disaster
- 04 After the Disaster
- 05 Home Recovery
- 06 Farm Recovery
- 07 Hurricanes
- 08 Lightning
- 09 Floods
- 10 Tornadoes
- 11 Hazardous Materials
- 12 Radiological Accidents
- 13 Residential/Farm Fires
- 14 Wildland Fires
- 15 Terrorism
- 16 Extreme Heat and Drought
- 17 Extreme Cold and Winter Storms
- 18 Earthquakes
- 19 Radio Spots
- 20 Stress and Coping

THE DISASTER HANDBOOK



NATIONAL EDITION

MASTER GUIDE

WEB RESOURCES

OTHER DISASTER PRODUCTS

HANDBOOK UPDATES



Click on Master Guide to access Disaster Handbook Contents.

[UF Home](#) | [IFAS Home](#) | [About the Disaster Handbook](#)

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Extension Disaster Education Network (EDEN)

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State Points of Contact

Get to know your state EDEN Contact

www.eden.lsu.edu



EDEN Works: A National Network in Disaster Readiness

Over 150 Extension professionals across the nation are involved in EDEN. Of those, 57 serve as the point of contact for their institution.

EDEN Points of Contact	Alabama Virginia Morgan (AU) Alaska Linda Tannehill (UA) Arizona James Christenson (UA) Arkansas Gary Huitink (UA) California William Frost (UC) Colorado Tom McBride (CSU) Connecticut Bruce Wilbur (UConn) Delaware Ron Jester (UD) Florida Carol Lehtola (UF) Angela McKenzie-Jakes (FAMU) John Worley (UG) Georgia Peter Barcinas (UG) Guam Wayne Nishijima (UH) Hawaii Tom Karsky (UI) Idaho Rick Atterberry (UI) Illinois Steve Cain (Purdue) Indiana Charles Schwab (ISU) Iowa Michael Bradshaw (KSU) Kansas Tom Priddy (UK) Kentucky Pat Skinner (LSU) Louisiana Dawn Meillon-Patin (SU) Maine John Rebar (UM) Maryland Thomas Handwerker (UMES) Bob Tjaden (UM) Massachusetts Shirley Mielicki (UMass) Michigan Mark Hansen (MSU) Minnesota John Shutske (UM) Mississippi Tom Ball (MSU) Charles Sheppard (Alcorn State) Missouri David Baker (UM)	Montana Mike Vogel (MSU) Nebraska Richard Stowell (UN) Nevada John Burton (UN) New Hampshire New Jersey Mary Jane Willis (Rutgers) New Mexico Billy Dictson (NMSU) New York Ellen Abend (Cornell) North Carolina Edwin Jones (NCSU) Robert Williams (NCATSU) North Dakota Becky Koch (NDSU) Ohio Dee Jepsen (OSU) Oklahoma Barbara Brown (OSU) Oregon Bill Braunworth (OSU) Pennsylvania Dave Filson (PSU) Puerto Rico Luis Mejias Maymi (UPR) South Carolina Howard van Dijk (Clemson) South Dakota Kim Cassel (SDSU) Tennessee Timothy Prather (UT) Finis Stribling (TSU) Texas Margaret Hale (TAMU) Utah Kristine Saunders (USU) Vermont George Cook (UV) Virgin Islands Kofi Boateng (UVI) Virginia Robert Grisso (VT) Washington James R. Freed (WSU) West Virginia Jerry Fertig (WVU) Peter Marshall (WVU) Wisconsin Patrick Walsh (UW) Wyoming Jerry Langbehn (UW)
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EDEN Officers	Chair Becky Koch (NDSU) Vice Chair Dave Filson (PSU) Secretary Virginia Morgan (Auburn)	EDEN Liaisons	Bill Hoffman (CSREES) Dennis Kopp (CSREES) Joe Wysocki (CSREES)
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EDEN Staff	Homeland Security Project Director Steve Cain (Purdue) Communication Specialist Abigail Borrón (Purdue) Web Site Manager Pat Skinner (LSU)
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For contact information of EDEN delegates, POCs, officers, and staff, visit:
www.EDEN.lsu.edu

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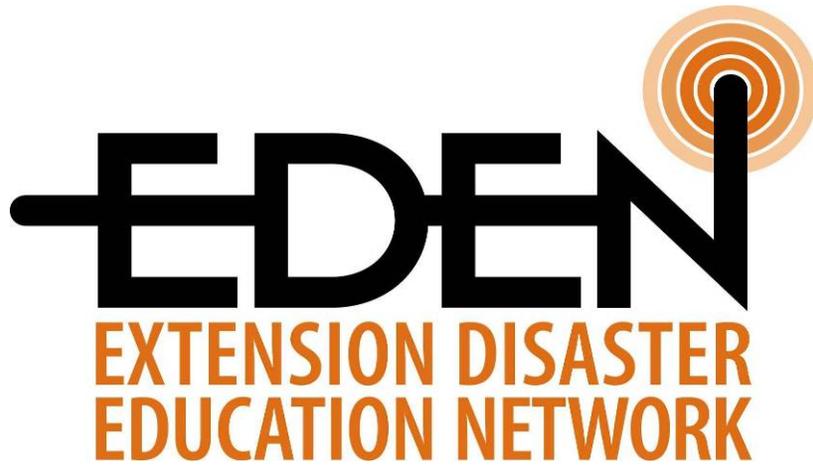
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PENNSTATE



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