FEMA
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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Land-Grant Colleges and Universities

Land-Grant System
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
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.
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
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.
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
The Beginning

- Formed in 1994 following the North Central floods when Extension educators recognized a need for a network that could share education resources.
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
Today’s EDEN
50 states and 3 U.S. territories

and…
- Alaska
- Hawaii
- Puerto Rico
- Guam
- Virgin Islands
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.
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.
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
A State Example

Pennsylvania - Severe Storms and Flooding resulted in 1/3 of the counties declared Federal disaster areas (June 2006)

• EDEN POC: Dave Filson (PSU)
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A State Example

- Louisiana - Hurricanes Katrina & Rita
  - EDEN POC: Pat Skinner (LSU)
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.
To view the *Partners* video:

**CSREES**

*Partners 16*

*Protecting the Homeland*


**OR**

**EDEN**

The Network

*Partners* - Video featuring EDEN Hurricane Recovery

[http://www.eden.lsu.edu/](http://www.eden.lsu.edu/)
Land-Grant Colleges and Universities

Land-Grant System
Extension Disaster Education Network (EDEN)

Established Partnerships

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

Online Learning Opportunities

EDEN: Reducing the Impact of Disasters

Learning Opportunities

- Plant Biosecurity Management Course
  - Teaching plant biosecurity management to those involved in the U.S. agricultural sector. Developed for EDEN by the University of Minnesota.

- On Guard: 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
  - TeachingExtension professionals how the USDA and Extension System fill 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 Preparations for Business
  - Helping businesses examine the potential impact of a pandemic and develop a disaster plan. Developed for EDEN by Purdue University.

- Pandemic Influenza Preparations 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.iusu.edu
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Ready Business
Preparing a Disaster Business Plan
Extension Disaster Education Network (EDEN)

Pandemic Preparedness for Businesses
Extension Disaster Education Network (EDEN)

Pandemic Influenza Preparedness for Faith-Based Organizations
Extension Disaster Education Network (EDEN)

OnGuard: Protecting America’s Food System

Created by Univ. of Minnesota
USDA Roles in the National Response Plan
Created by North Dakota State Univ.
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Animal Biosecurity and Emergency Management Course
Created by University of Kentucky
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.
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.
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
Extension Disaster Education Network (EDEN)

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 power outage, (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/disasterdisaster.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)

Picking Up the Pieces - Spring Problem Brochure (more)
Website: http://www.extension.umn.edu/units/ds/item.html?item=07379
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/treepubs/ri361.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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www.eden.lsu.edu

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