

UF Institute of Food and Agricultural Sciences: The expert next door

FOR THE

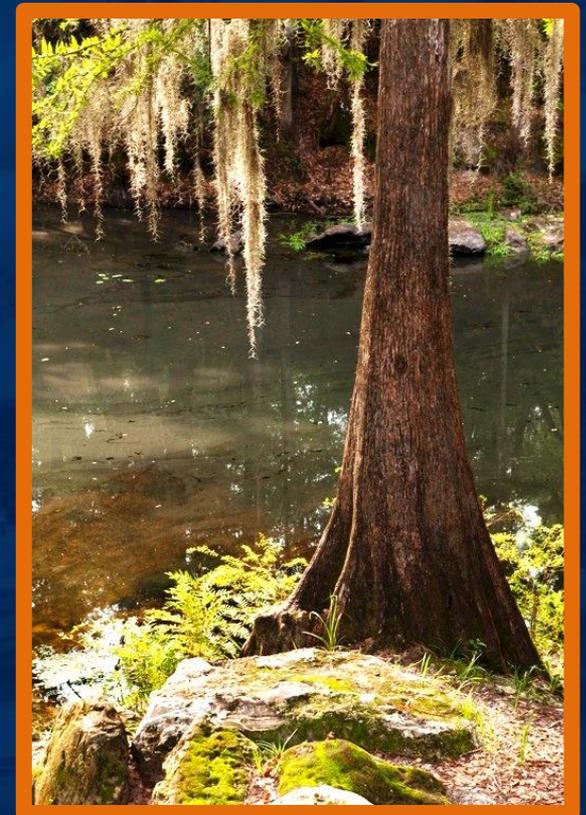
#GATORGOOD

S. Mukhtar, A. Lindsey, J. McConnell

2017 SART Planning Meeting, Daytona Beach, March 28-31.

Florida—The Land

- Surrounded by water
 - Good: Beaches, port access
 - Challenge: Beach erosion, invasives
- “Supported” by water (aquifer)
 - Good: Ample water supply
 - Challenge: flooding, sinkholes, water quality
- Subtropical climate
 - Good: Tourism, agriculture
 - Challenge: hurricanes, flooding
- Natural beauty
 - Good: Tourism, migration
 - Challenge: overpopulation, environmental harm



Florida—The People

- Population: 20.6 million (2016)
- Ethnically diverse
- Large foreign-born population (19.7 %)
- Trends:
 - Growing (24.5 million by 2030)
 - More diverse
 - Aging (24.1% will be +60 by 2030)

Sources: US Census Bureau; FL legislature Office of Economic and Demographic Research

Florida—The Economy

- 4th Largest Economy in U.S.
- Major Industries
 - Tourism
 - International trade
 - Agriculture



UF/IFAS Extension

- Organization
 - Administered by University of Florida Institute of Food and Agricultural Sciences
 - Offices in each of Florida's 67 counties and Seminole Tribe
 - Partnered with Florida A&M University, state agencies, private organizations, local governments
- Statistics
 - Supported by thousands of faculty members, scientists, educators, administrative staff, and volunteers
 - 24.3 million personal connections with Floridians (2015)

Major Programs

- Agricultural production
- Water quality, quantity
- Natural resources & environmental quality
- Sustainable energy
- Healthy lifestyles
- Community resources & economic development
- Youth development (4-H)



Impacts

- 24.3 million client contacts (2015)
- 84% said Extension information solved their problem
- 94% report information was accurate and up-to-date
- 33,549 volunteers giving 1.2 million hours of service

Our Commitment

UF/IFAS Extension provides practical education you can trust, to help people, businesses and communities solve problems, develop skills and build a better future.

How is Extension Different Today?

- More diverse clientele
- Greater use of technology, mass media
- Emphasis on natural resources, balancing production & sustainability, healthy lifestyles



Looking to the Future

Extension must stay ahead of the times, anticipating challenges and providing solutions to future problems.

Climate & The Environment

Challenge: Climate variability, sea-level rise

Solution: Coastal planning, disaster resilience

Challenge: Conflicts along urban/wildland interface

Solution: Urban forestry, land stewardship programs



What is Our Role?

- Recognizing change
- Raising awareness of and providing solutions for developing issues
- Relevant education content and delivery for diverse populations
- International cooperation

A blue-tinted photograph of a university campus. In the foreground, there are several palm trees and a paved walkway. In the background, a tall clock tower is visible, along with other campus buildings. The overall scene is a typical university setting.

Thank You!

UF/IFAS Extension: A Resource in Times of Disaster

Angie B. Lindsey

In Our Time Today

- Discuss results of community preparedness perception survey by PIE Center
- Current IFAS disaster preparedness & recovery resources
- What is EDEN?
- EDEN Resources
- Next Steps

FL Perceptions of Community Preparedness

- PIE Center opinion survey conducted with FL residents in 2016
- Developed from personal past work & research
- Understanding perceptions can help
 - In development of proactive strategies, plans & tools
 - In recovery efforts
 - In messages about disaster preparedness & recovery

FL Perceptions of Community Preparedness

- Survey examined perceptions of:
 - Their communities and likelihood of a disaster
 - Vulnerabilities of their communities to different types of disasters
 - Overall preparation for disaster
 - Own preparation for disaster

Key Findings

- Overall respondents feel community is prepared for natural disasters
 - Unsure about man-made disasters
- Confident in law enforcement & local & state government in their abilities to handle disasters
- Indicated a need for more programs
 - Programs may exist and respondents are not aware
- Disaster preparedness programs should be high priority for local officials
- Media & web are crucial tools

IFAS Resources

- Local & State
- Emergency Management
- Collaborate & Coordinate with county & city EOC & emergency management teams
- Local Programs & Outreach
- Local outputs
- IFAS
- EDIS – Electronic Data Info Source (edis.ifas.ufl.edu)
- The Disaster Handbook (disaster.ifas.ufl.edu)
- Disaster Prep and Recovery
- (Solutionsforyourlife.ufl.edu)

IFAS Extension Resources

The screenshot shows the EDIS (Electronic Data Information Source) website. The header includes the University of Florida IFAS Extension logo and the tagline "Solutions for Your Life". The main content area features a large "EDIS" title with a background image of a field. Below this, there are navigation links for Home, FAQs & Help, Local Offices, IFAS Bookstore, and Advanced Search. A sidebar on the left lists various topics such as Agriculture, Community Development, Environment, and Families & Consumers. The main content area highlights "New and Revised Publications" with a featured article titled "Consultation Forms for Walk-In Clientele and Landscape Site Visits". It includes a small image of a sign that says "UF IFAS Extension UNIVERSITY OF FLORIDA" and a brief description of the forms. There is also a "What is EDIS?" section and an "Author information" section.

The screenshot shows the "THE DISASTER HANDBOOK" website. The header features the title "THE DISASTER HANDBOOK" in a large, bold font. Below the title is a grid of six icons representing different disaster types: a lightning bolt, a hurricane, a house with a roof being hit by a wave, a house with a roof being hit by a fire, a house with a roof being hit by a snowflake, and a house with a roof being hit by a wind gust. To the right of the grid is a vertical list of links: "NATIONAL EDITION", "MASTER GUIDE", "WEB RESOURCES", "OTHER DISASTER PRODUCTS", and "HANDBOOK UPDATES". At the bottom of the page, there is a call to action: "Click on Master Guide to access Disaster Handbook Contents." and navigation links for "UF Home", "IFAS Home", and "About the Disaster Handbook".

The screenshot shows the "Solutions for Your Life" website. The header includes the University of Florida logo and the tagline "Solutions for Your Life". The main content area features a large image of a family (a man, a woman, and two children) with a magnifying glass over them. Below the image is the text "UF IFAS Extension UNIVERSITY OF FLORIDA SOLUTIONS". The navigation menu includes Home, About Extension, Local Offices, FAQ, Success Stories, Jobs, and Weather. The main content area is divided into several sections: "Disaster Prep & Recovery" with a sub-section for "General Information" and a link to "Florida Homeowner Handbook"; "General Resources" with a sub-section for "UF/IFAS Sites" and a link to "UF/IFAS Publications"; and "Disaster Prep & Recovery" with a sub-section for "General Information" and a link to "Hurricane Prep for Families".

What is EDEN?



- Extension Disaster Education Network
- A Network
- Developed from lessons learned from 1993 Midwest Floods
- **Mission:** To reduce the impact of disasters through research-based education
 - Linking w/federal, state & local agencies/orgs
 - Anticipating future disaster education needs
 - Providing timely, credible info.
 - Networking

EDEN Members



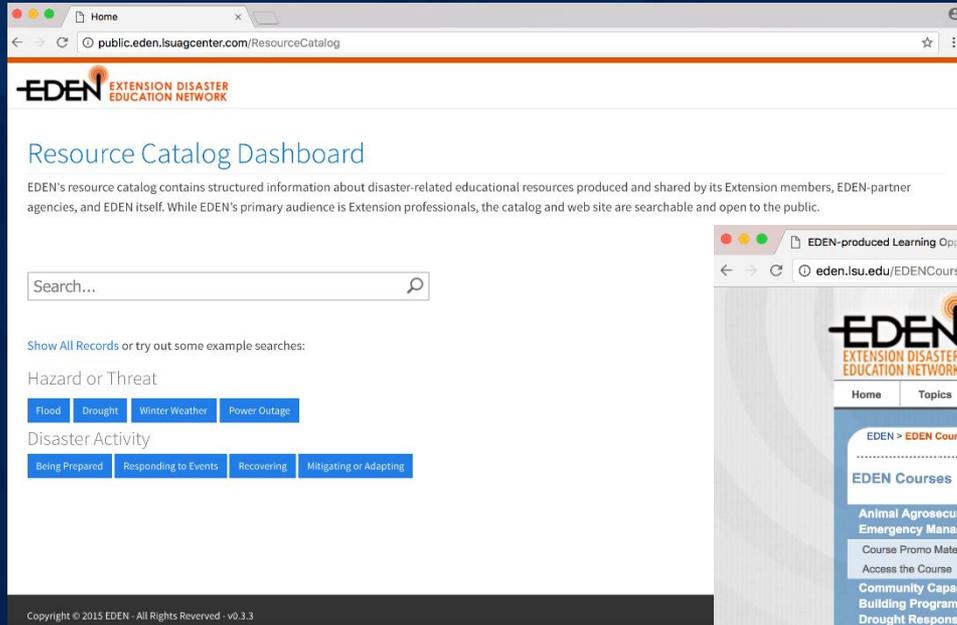
- 250 Volunteers from more than 75 different areas of expertise
- From 1862 & 1890 Land-Grant Institutions & Sea Grants
- Liaisons form USDA NIFA, NOAA Sea Grant, ECOP
- Each institution has one point of contact (POC)
- Can have additional delegates

EDEN Resources



- EDEN.LSU.EDU
- Agricultural disasters
- Families & Communities
- Hazards & Threats
- Human Health
- **Resource Catalog**
 - Searchable database (different languages)
 - Webinars
 - Online Course Materials (*Family Preparedness, Ready Business, Pandemic Preparedness, Plant Biosecurity, AgroSecurity*)

EDEN Resources



public.eden.lsuagcenter.com/ResourceCatalog

EDEN EXTENSION DISASTER EDUCATION NETWORK

Resource Catalog Dashboard

EDEN's resource catalog contains structured information about disaster-related educational resources produced and shared by its Extension members, EDEN-partner agencies, and EDEN itself. While EDEN's primary audience is Extension professionals, the catalog and web site are searchable and open to the public.

Search...

Show All Records or try out some example searches:

Hazard or Threat

Flood Drought Winter Weather Power Outage

Disaster Activity

Being Prepared Responding to Events Recovering Mitigating or Adapting

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EDEN-produced Learning Opp...

eden.lsu.edu/EDENCourses/Pages/default.aspx

EDEN EXTENSION DISASTER EDUCATION NETWORK

Reducing the Impact of Disasters Through Education

Search

State Information

Home Topics **EDEN Courses** News and Features Conferences and Workshops Resource Catalog About EDEN

EDEN > EDEN Courses

EDEN Courses

- Animal Agrosecurity and Emergency Management
 - Course Promo Materials
 - Access the Course
- Community Capacity-Building Program for Drought Response
 - Program Materials
- Family Preparedness
 - Course Materials
 - Course Promo Materials
 - Course Tracker
- OnGuard - Food Protection and Defense
 - Course Promo Materials
 - Course Materials
 - Course Tracker
- Pandemic Preparedness for Business
 - Course Promo Materials
 - Course Materials
 - Course Tracker
- Pandemic Preparedness

EDEN-produced Learning Opportunities

Plant Biosecurity Management - 2010

An online course for Extension advisors, agents, and specialists to teach plant biosecurity management to those involved in the U.S. agricultural sector.

Access the Course Page

OnGuard Protecting America's Food System

A classroom course that Extension educators can use to help citizens understand their role in food protection.

Access the Course Page

Ready Business

Produced in Cooperation with the

Resources to Engage Agricultural Producers in U.S. Biosecurity Strategy

2010 Edition

OnGuard

READY Business

- Agricultural Disasters
- Families & Communities
- Hazards & Threats
- Human Health
- Disaster Watch

Questions?

Thank You
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UF/IFAS Extension County Offices

Julie McConnell
UF/IFAS Extension Bay County
Horticulture

Horticulture – Animal & Ag Issues?



Disaster Preparedness Roles of UF/IFAS County Faculty

- Determined by local Emergency Management and Center Extension Director
- Every county should have a designated UF/IFAS County Extension Contact involved with Florida SART
- Trusted source of information with clientele

Disaster Preparedness Roles of UF/IFAS County Faculty

During active disaster:

- Shelters
- Equipment operators
- Supply management
- Food safety
- Livestock and pets

Afterwards:

- Landscape risk assessment
- Public health insects
- Food safety

What Should You Do as a FL SART Member?

- Attend ESF-17 meetings
- Attend SART Planning Meeting (odd years)
- Network with partner agencies – FDACS, USDA, County Emergency Management, County Animal Services, Florida State Animal Response Coalition, etc.
- Be a credible resource for agricultural clientele and pet owners

Additional ways to Support FL SART?

- Host trainings in your county!

Bay County Disaster Preparedness Workshop February 27-28, 2016

Scenario

- Shelter to house people and animals from low lying flooded areas with likely chemical exposure (Hazmat)
- Off-site large animal rescue – horse in a pit

Bay County Disaster Workshop

Participants

- UF VETS
- UF/IFAS Extension Bay County
- UF College of Veterinary Medicine
- FDACS
- Florida State Animal Response Coalition
- Florida Department of Law Enforcement
- Bay County Emergency Management
- Bay County Hazmat
- Bay County Fire Dept.
- Panama City Fire Department
- Florida Department of Health

Bay County Disaster Workshop Participants (Continued)

- Bay County Animal Services
- State Animal Response Coalition
- Department of Health
- Red Cross
- USDA
- Mississippi State College of Veterinary Medicine
- Miami-Dade Animal Services
- Community Volunteers
- Florida Baptist Disaster Relief

Bay County Disaster Workshop

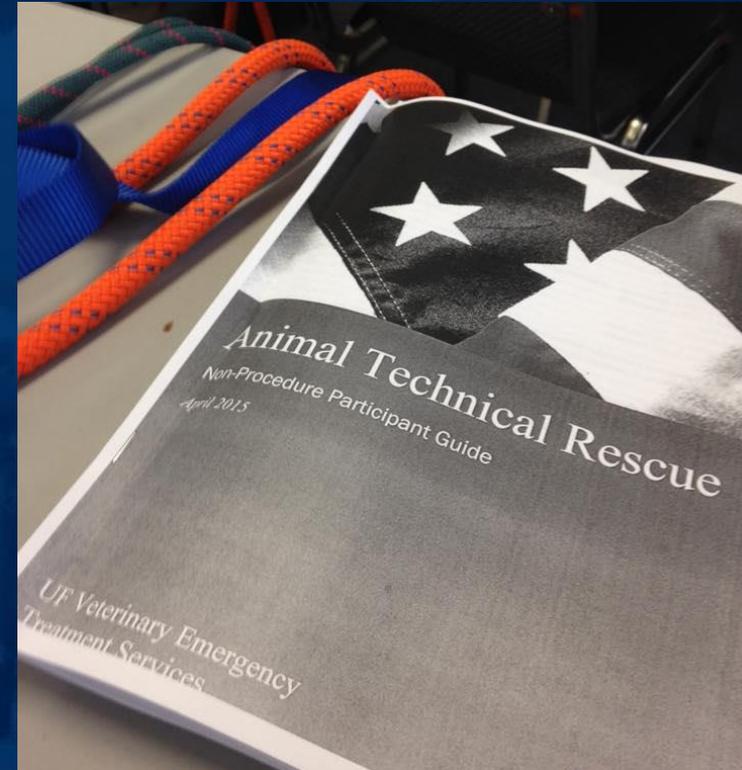


Bay County Disaster Workshop



Benefits of Hosting Training?

- Provides training and enhanced planning for emergency personnel and supporting agencies in your county
 - Operations Level Large Animal Technical Rescue Course (Jan. 2016)
- Great networking opportunities with UF, FDACS, and local agencies
- Public awareness of UF/IFAS



Bay County Disaster Workshop – UF/IFAS County Faculty Role?

- Arrange location – handle site issues
- Host meetings
- Logistics/house rules
- Liaison- local connections
- Participate in training
- Flexible support

Questions?

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