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

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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
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)
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

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 as Victims
- Recovering
- Mitigating or Adapting

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FL EDEN

• Tie EDEN Resources and programs with IFAS Extension
• Develop an up-to-date, streamlined Extension program
• Research-based information
  • Natural & man-made disaster preparedness and recovery
• Continue to Partner with FL SART
Questions?

Thank You
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UF/IFAS Extension County Offices

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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!
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
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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