

Role of the University

Training, Research, Outreach



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Top Respected Professionals

- Leadership
 - Veterinarians
 - Medical doctors
 - Firefighters
 - Nurses



Community disaster
response
planning and mitigation



August 2005



August 2016



LSU- School of Veterinary Medicine
Disaster Communications Center
Hurricane Katrina → Historic Flood of 2016

The Louisiana Experience

2001 – T.S. Allison

2004 – Hurricane Ivan

2005 – Hurricanes Katrina & Rita

2008 – Hurricanes Gustav & Ike

2009 – Tropical storms and floods

2010 – Gulf Oil Spill

2011 – Mississippi River Rising

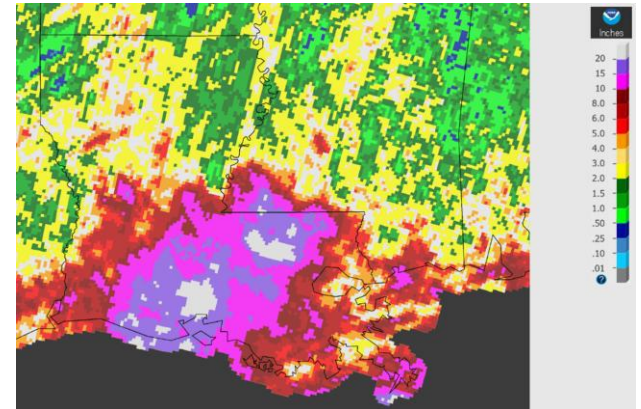
2012 – Hurricane Isaac

2014 – Infectious Disease Preparedness (Ebola scare)

2015 – Red River Flooding

2016 – Historic Flood of 2016

2017 – H. Harvey/Nate





70% of the population own at least 1 pet
'Saving animal lives saves human lives'

Role of the University

1. Teaching

- Courses in the curriculum
 - Veterinary
 - Animal/Agriculture Sciences
 - Veterinary Technician
- CE Courses
 - Veterinary
 - First Responder
- Written & electronic materials
 - Textbooks
 - Websites/Webinars/Podcasts
 - Social Media
 - Pamphlets/Hand-outs/Fact sheets

2. Service

- Facilitation & Coordination
 - Community Response Planning
- Response
- Communications
- Veterinary Schools
 - Hospital & Ambulatory Services
 - Field Hospital
 - Assessment teams
 - ASAR (?)

3. Research

- Experiential → Retrospective
- Experiential → Prospective
- Controlled clinical trials
- Parallel human disaster medicine/management research

Our Training And Response Team

One Medicine
One Health



Veterinary Students

Enthusiastic & interested

Hard working & smart

Available

Flexible

Responsible & honest

Credentialed

- ICS & NIMS
- Technical capabilities
- Trainable
- Need the experience!



Developed Courses in Disaster Risk Mitigation Electives

Core Competencies

- ICS/NIMS
- Assessments
- Animal Handling, Evacuation, Sheltering
- Working with Human First Responders
- Basic First Aid/Animal Triage
- Biosecurity/Safety
- Large Animal Technical Emergency Rescue
- Slack Water Rescue
- Technical Ropes



Safety, Biosecurity, and Haz Mat Training



Response Teams

- Staff
- Faculty
- Students

Veterinary
Undergraduate
Veterinary technician students



Certified Responder Training

TLAER Training 2008



Hurricane Isaac Aftermath - 2012



Gulf Oil Spill - 2010



Public Education



Flood Injury to Horses

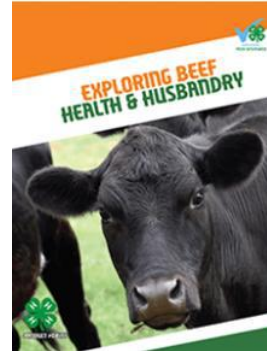
The Educated Horseman: Management Series



Natural disasters have the unique ability to take people by surprise. Although it is difficult to prepare for every scenario, horse owners who plan prior to a "surprise" will typically reduce the stress and health risks their horses may experience. Recent flooding events in southeastern

Response Plan

- Do your part to evacuate ahead of a flood, and make sure your horses can be haltered and amenable to being led. These actions will help prevent injury during restraint and transportation.



NATIONAL
FFA ORGANIZATION

Disaster Information Resources

from the LSU AgCenter



For the latest research-based information on just about anything, visit our Web site: www.lsuagcenter.com

Disaster Readiness for Goat and Sheep Producers

LSU

School of Veterinary Medicine

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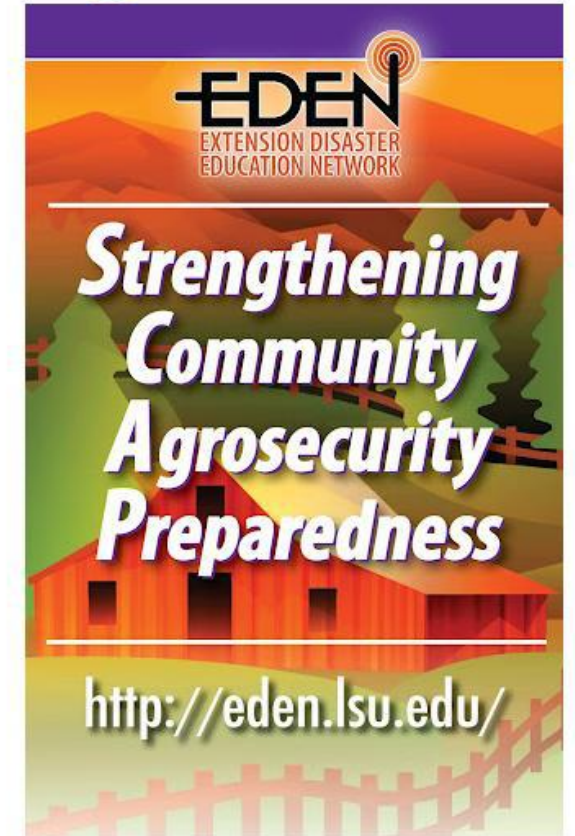
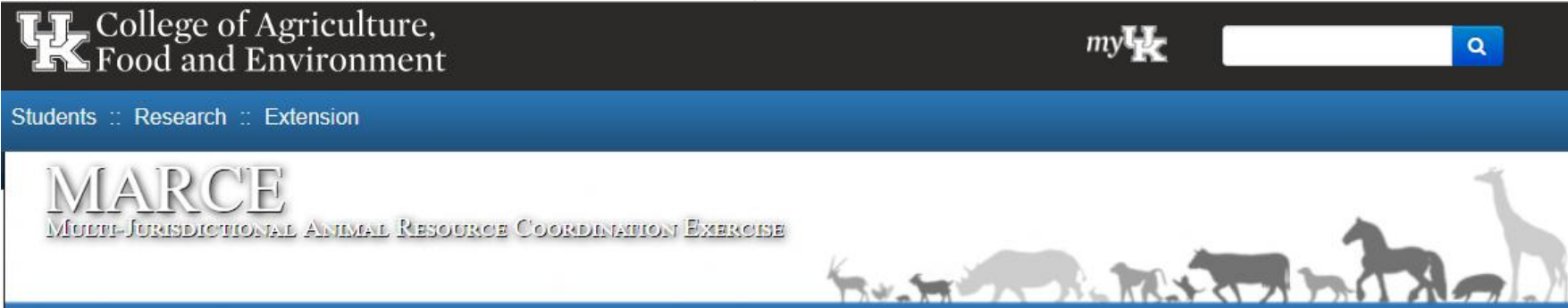


Hurricane Preparation Tips for Pet Owners

Public Education & Facilitation

Strengthening Community Agrosecurity Preparedness (S-CAP) program

The Extension Disaster Education Network (EDEN) Strengthening Community Agrosecurity Preparedness (S-CAP) program provides a foundation for local jurisdictions to address agricultural emergencies and disasters. The program began with planning workshops and evolved to include a train-the-trainer program, tabletop exercise, planning tools, and virtual and face-to-face stakeholder forums.



Homeland Security Exercise and Evaluation Program (HSEEP)

<https://www.emacweb.org/index.php/animal-health-emergency>

Research

Disaster Medicine

Equine rescue and response activities in Louisiana in the aftermath of Hurricanes Katrina and Rita

Rebecca S. McConnico, DVM, PhD, DACVIM; Dennis D. French, DVM; Bonnie Clark; Ky E. Mortensen, BS; Martha Littlefield, MS, DVM; Rustin M. Moore, DVM, PhD, DACVS



Veterinary Clinics of North America: Equine Practice

Volume 23, Issue 1, April 2007, Pages 1-17



Flood Injury in Horses

Rebecca S. McConnico DVM, PhD a, b, c, d, e

Home / Journal of Business Continuity & Emergency Planning, Volume9/Number 3/Spring, 2016



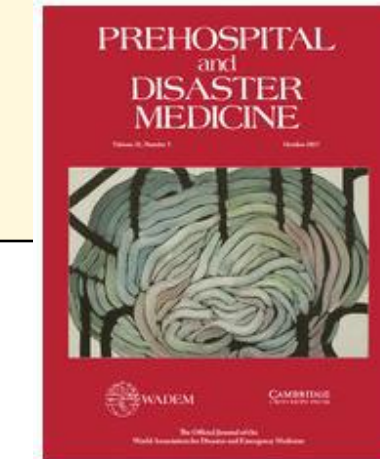
The critical need for animal disaster response plans

Author: Rogers, Cheryl

Source: Journal of Business Continuity & Emergency Planning, Volume9/Number 3/Spring, 2016, pp. 262-271(10)

The full text article is not available for purchase. The publisher only permits individual articles to be downloaded by subscribers.

American Journal of Disaster Medicine



animals

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Animals (Basel). 2015 Jun; 5(2): 173–192.

PMCID: PMC4494405

Published online 2015 Mar 25. doi: [10.3390/ani5020173](https://doi.org/10.3390/ani5020173)

Challenges of Managing Animals in Disasters in the U.S.

Sebastian E. Heath^{1,*} and Robert D. Linnabary²

Injuries and outcome of three horses hospitalised in the aftermath of Hurricane Isaac

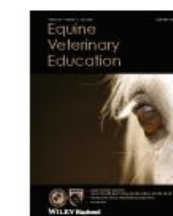
C. E. Freeman*, M. H. Mirza, K. C. Pescosolido and R. S. McConnico

Version of Record online: 1 APR 2015

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Issue



Equine Veterinary Education
Volume 27, Issue 6, pages
308–315, June 2015

Service



Veterinary Expertise



Veterinary Expertise ?



Veterinary Expertise

Response – Experiential Learning

- Response teams
 - Evacuation
 - Sheltering
 - Field ops
 - Assessment
 - Field first aid (triage)
 - Rescue/extrication
 - Field Hospital
- ASAR



Road Blocks to Progress

- Student/staff safety with response and training
 - Liability during response and training
 - Personal injury
 - Property damage
- Funding
- Lack of time made for disaster planning
- PPE (People, Politics, Egos)



Recommendations

Collaboration, Communication, Cooperation

- Other university like-minded individuals and groups
- Community Groups
 - Cattlemens
 - VMA's
 - Community Response Orgs (VOAD, etc.)
- Gov't orgs and non-Gov't orgs
 - Local
 - State
 - National humane groups – NARSC
 - USDA/APHIS/FEMA



