Veterinary Science
Preparatory Training for the Veterinary Assistant

Floron C. Faries, Jr., DVM, MS
Emergency Animal Management During Disasters

Floron C. Faries, Jr., DVM, MS
Objectives

- Discuss first defenders against animal disease outbreaks
- Describe the key components of state emergency plans for animal disasters
- Describe the key components of local emergency plans for animal disasters
First Line of Defense in Emergency Management of Animal Disease Outbreaks

- Education of first defenders is key
  - Animal owners
  - Private veterinarians
  - Animal industry personnel
  - Local emergency management personnel
  - County Extension agents
  - Ag science teachers
Biosecurity is key

Early detection is key
  - Unusual signs

Rapid reporting is key

Rapid response is key

Prompt quarantine is key
Quick diagnosis is key

Disease surveillance is key

Regulatory agencies and animal industries working together is key
Homeland Security

- Animals, animal products and animal feeds
  - Import bans, test requirements, inspections, quarantines, quarantine retest requirements

- International travelers
  - Luggage inspections, animal contact history, garbage incineration

- Animal surveillance
  - Change of ownership testing, first point testing, interstate testing, slaughter testing, diagnostic testing
Consumer Security

- Animal slaughter
  - Bans, inspections, test requirements

- Processed animal food
  - Inspections, test requirements

- Hazard Analysis and Critical Control Points (HACCP)
Home Security

- Proper personal hygiene procedures
- Proper food preparation, refrigeration, cooking procedures
- Proper home sanitation procedures
Farm Security

- Biosecurity and biocontainment measures
  - Wash hands
  - Wash disinfect boots
  - Wash disinfect trailer
  - Wash disinfect tires
  - Wash disinfect borrowed equipment
  - Proper garbage disposal
  - Comply feed bans
- Lock gates
- Stranger alert
- International visitor – >48 hours wait
- Isolation quarters
- Routine observations
- Early detection
- Rapid reporting
State Emergency Management

- State Emergency Management Plan I
  - Annex
    - Agriculture Production and Companion Animals
  - Appendix
    - Foreign and Emerging Animal Diseases (FEAD) Response Plan ("Disease Animal Emergencies")
- State jurisdiction
Key Components of Plan

- Mitigation
- Preparedness
- Response
- Recovery
Identified incident command system

- Incident command post(s)
- Incident commanders
- First Assessment and Sampling Team (FAST)
- Joint Information Center (JIC)
- Emergency Response Team (ERT)
  - To support field deployed ICP(s)
Quarantine animals

- Several mile radius containment zone
- Months to years
- Depopulate animals
- Surveillance of animals
- Control or eradicate options
State Emergency Management Plan II

Annex
- Agriculture Production and Companion Animals

Appendix
- Animal Response Plan
  ("Non-disease animal emergencies")

State jurisdiction
Simulative Exercise
Local Emergency Management

- Local Emergency Management Plan
  - Annex
    - Direction and Control
  - Appendix
    - Animal Issues Plan (AIP)
    - Animal Issues Committee Guidance Document
- Local jurisdiction
  - County Judge or City Mayor
  - Local Emergency Management Coordinator (EMC)
Key Components of Plan

- Mitigation
- Preparedness
- Response
- Recovery
Emergency Animal Management of Non-disease Disasters – Floods
Emergency Animal Management of Non-disease Disasters – Tornadoes
Emergency Animal Management of Non-disease Disasters – Evacuation, Shelters
Emergency Animal Management of Non-disease Disasters – Hurricanes, Carcass Disposal
Local (County) Animal Issues Committee
Local (County) AIC Members: Appointed by Local EM Coordinator

- Animal control representative
- Animal humane association representative
- Public veterinarians
- Private veterinarians
- Veterinary technicians
- Animal health regulatory agency representative
- Public works representatives
- Animal industry representatives
- Environmental representative
- Agricultural science teacher
- County Extension agent
- Media communication representatives
- Elected official representative
- Emergency management coordinator representative
Natural Animal Disasters

- Disease outbreaks
- Floods
- Wildfires
- Hurricanes
- Tornadoes
- Winter storms
- Droughts
Human-caused Animal Disasters

- Disease outbreaks (accidental)
- Disease outbreaks (intentional)
- Traffic
- Terrorism
- Power outages
- Explosions
- Hazardous material spills
Coordination of Local and State Plans

Local AI Plan

State FEAD Response Plan

State Animal Response Plan
Local (County) AI Plan

- Appendix to Local EM Plan
- Addresses animal issues (includes BOTH livestock and pets)
- Determines what should be done before, during and after disaster
Committee advises local government authorities

Lay out possible animal disasters in area
  - Natural and human-caused
  - Disease and non-disease

Identify animals
  - Pets
  - Livestock
  - Wildlife
Identify types of functions for non-disease animal disasters

- Shelter
- Evacuation
- Rescue
- Carcass Disposal
- Security
- Euthanasia
- Damage assessment
Prioritize events and functions

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<th>Rescue</th>
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Create Local Animal Issues Plan (AIP)
- Submit to Local EM Coordinator for approval
  - Incorporate in Local EM plan

Create Community Animal Response Plans (CARPs) for identified “Functions” in county
- Submit to Local EM Coordinator for approval
  - OPTION A: Attach CARPs to AIP of Local EM Plan
  - OPTION B: Incorporate CARPs into corresponding annexes as emergency support functions (ESFs) of Local EM Plan
Simulative Exercise
Response to Animal Non-disease Disasters

- Local emergency agency is lead agency
  - Local EMC activates Local AIP
  - Local EMC requests assistance
    - GDEM
    - FEMA
State animal health agency is lead agency

- Top down authority

- Activates and directs State FEAD Response Plan

- Activates and directs Local AIP through Local EMC