USDA/APHIS/VS Emergency Response to Disease Outbreaks

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Phases of Emergency Management
Emergency Response to Disease Outbreaks

This presentation describes

1. USDA’s infrastructure for emergency response
2. Prevention - Actions taken to prevent entry of Foreign Animal Disease into the US
3. Diagnosis - How suspicious cases of disease are investigated and diagnosed
4. Response - to confirmed outbreaks
5. Challenges
USDA Foreign Animal Disease Infrastructure

• National Response Framework (NRF)
• Interagency Cooperation
• Trained personnel
• Diagnostic Laboratories
  – National Veterinary Services Laboratories (NVSL)
  – Foreign Animal Disease Diagnostic Center (FADDL)
  – National Animal Health Laboratory Network (NAHLN)
• National Veterinary Stockpile (NVS)
• National Animal Health Emergency Response Corps
• Import Centers
Preventing Entry of Foreign Animal Disease (FAD) into the US

1. Detect FAD before it enters the US
2. Quarantine and test animals upon arrival in the United States
3. Border controls
Diagnosis
Recognizing and Reporting a Foreign Animal Disease

Private Practitioners
“First Line of Defense”

State Veterinarian or Federal Area Veterinarian in Charge

Foreign Animal Disease Diagnostician

NVSL

National Center for Animal Health Emergency Management
Response
When a Foreign Animal Disease is diagnosed

• Inform Stakeholders
• Consult with Trading Partners
• Eradication Process
  – Contain
  – Control
  – Eradicate
Response (continued)
Critical Activities and Tools for Containing, Controlling, and Eradicating a FAD

- Rapid diagnosis and reporting
- Epidemiological investigation and tracing
- Increased surveillance
- Swift imposition of effective quarantine and movement controls
- Continuity of business measures for non-infected premises and non-contaminated animal products
- Biosecurity measures
- Cleaning and disinfection measures
- Effective and appropriate disposal procedures
- Mass depopulation and euthanasia (as the response strategy indicates)
- Emergency vaccination (as the response strategy indicates).
Response (continued)
When Foreign Animal Disease is diagnosed

- Recovery (USDA functions)
  - Indemnities
  - Removal of trade restrictions
Challenges of a FAD Outbreak

- Trade disruptions
  - International and national
  - Collateral markets impacted
- Stakeholder impacts
  - Emotional and economic loss
- Public fears
  - Commodity prices drop
- Strained State and Federal resources
- Environmental protection
- Length of recovery depends on extent of outbreak
Questions?