Foreign Animal Disease Preparedness and Response Plan (FAD PReP)

National Preparedness and Incident Coordination
Veterinary Services
Animal and Plant Health Inspection Service
U.S. Department of Agriculture
Why Foreign Animal Diseases Matter

Preparedness and response planning for foreign animal disease (FAD) incidents is crucial to protect public health, animal health, animal agriculture, the environment, the food supply, and the economy.
Examples of FADs (Transboundary Diseases)

- highly pathogenic avian influenza
- foot-and-mouth disease
- classical swine fever
- Newcastle disease
- African swine fever
Challenges of an FAD Response

- Significant disruptions to interstate commerce and international trade can occur.
- Response activities are complex and require significant planning and preparation before an event.
- Outbreaks can become large or widespread.
Lessons Learned

➢ In order to effectively control, contain, and eradicate an FAD, we must:
   – Provide processes for emergency planning that respect local knowledge.
   – Integrate State-Federal-Tribal-industry planning processes.
   – Ensure that there are clearly defined, obtainable, and unified goals for response.
   – Have a Unified Command with a proper delegation of authority that is able to act with speed and certainty.
Lessons Learned (continued)

– Employ science- and risk-based management approaches to FAD response.

– Ensure that all guidelines, strategies, and procedures are communicated effectively to responders and stakeholders.

– Identify resources and trained personnel required for an effective incident response.

– Try to resolve competing interests prior to an outbreak and addressing them quickly during an outbreak.

– Achieve rapid FAD detection and tracing.
What is FAD PReP?

- A public-private-academic partnership.
- Provides collaborations, products, and services for preparing for and responding to animal health emergencies.
- The FAD PReP mission is...
  - to raise awareness, define expectations, and
  - improve capabilities for FAD preparedness and response.
Preparedness Goals

- Define stakeholder expectations for successful and timely outcomes.
- Identify resources and personnel for potential large-scale outbreaks.
- Identify and resolve issues that may become competing interests during an outbreak.
- Provide a systems approach to preparedness issues that need additional time, attention, and collaboration.
Response Goals

- Detect, control, and contain FAD outbreaks as quickly as possible.
- Eradicate the FAD using strategies that stabilize animal agriculture, the food supply, the economy, and protect public health and the environment.
- Provide science- and risk-based approaches and systems to facilitate continuity of business for non-infected animals and non-contaminated animal products.
Achieving Response Goals

Achieving these goals will allow individual livestock and poultry facilities, States, Tribes, regions, and industries to resume normal production as quickly as possible.

They will also allow the United States to regain FAD-free status without the response effort causing more disruption and damage than the disease outbreak itself.
Examples of FAD PReP Collaborations, Products, and Services

- FAD PReP materials
- Secure Food Supply Plans
  - Secure Egg Supply
  - Secure Turkey Supply
  - Secure Broiler Supply
  - Secure Milk Supply
  - Secure Beef Supply
  - Secure Pork Supply
- California Department of Food and Agriculture (CDFA) California Animal Health Emergency Management System (CAHEMS) Tool Kit
- Incident Coordination and Exercise Support
FAD PReP Materials

- Provides a source for critical FAD planning, response, and analytical documents.
- Provides emergency management information and animal disease information for planners and responders.
- All documents on the APHIS public website: [www.aphis.usda.gov/fadprep](http://www.aphis.usda.gov/fadprep)
Strategic Plans—Concept of Operations

The strategic plans provide an overall concept of operations for FAD preparedness and response. They explain the framework of approaches and systems, identify key stakeholders, and explain how APHIS will prepare and respond to an animal health emergency.
NAHMES Guidelines

NAHEMS Guidelines cover important preparedness and response activities. They provide critical information for stakeholders to prepare for an animal health emergency.
Industry Manuals

Industry manuals describe the complexity of animal industry for responders, and provide industry information about emergency animal health emergency preparedness and response to producers.
Response Plans

Response plans provide disease-specific information and response strategies. They offer guidance to all stakeholders on capabilities and critical activities that are required to respond to an FAD outbreak.
Standard Operating Procedures—Critical Activities

SOPs provide details for conducting critical activities, such as communication and biosecurity, that are essential to effective preparedness and response to an FAD outbreak. SOPs provide operational details that are not discussed in depth in strategy documents or disease-specific response plans.
Critical Activities for FAD Preparedness and Response

- Etiology and Ecology of Specific FAD Agents
- Case Definition Development Process
- Surveillance
- Diagnostics (Sample Collection, Surge Capacity, and Reporting)
- Epidemiological Investigation and Tracing
- Information Management
- Communications
- Health and Safety and PPE
- Biosecurity
- Quarantine and Movement Control
- Continuity of Business

- Overview of Regionalization for International Trade
- Mass Depopulation and Euthanasia
- Disposal
- Cleaning and Disinfection
- Vaccination
- Logistics
- Wildlife Management and Vector Control
- Animal Welfare
- Modeling and Assessment Tools
- Appraisal and Compensation
- Finance
- Incident Management
Continuity of Business

http://www.securebroilersupply.com
http://www.secureeggsupply.com
http://www.secureturkeysupply.com
http://www.securepork.org
http://securemilksupply.org
Additional Resources

- Ready reference guides
- Training materials
- CDFA CAHEMS Toolkit
Public-Private-Academic Partnership

- American Association of Swine Veterinarians
- Association of Veterinarians in Broiler Production
- Association of Veterinarians in Turkey Production
- Center for Animal Health and Food Safety (CAHFS), University of Minnesota
- Center for Food Security and Public Health (CFSPH), Iowa State University
- Institute for Infectious Animal Diseases (IIAD), Texas A&M University
- National Pork Board
- National Pork Producers Council
- National Turkey Federation
- State Animal Health Officials
- United Egg Producers
- USDA APHIS Veterinary Services
- University of California, Davis, Department of Veterinary Medicine and Epidemiology
More Information on FAD PReP

www.aphis.usda.gov/fadprep