

Foot-and-Mouth Disease Vaccination Contingency Planning

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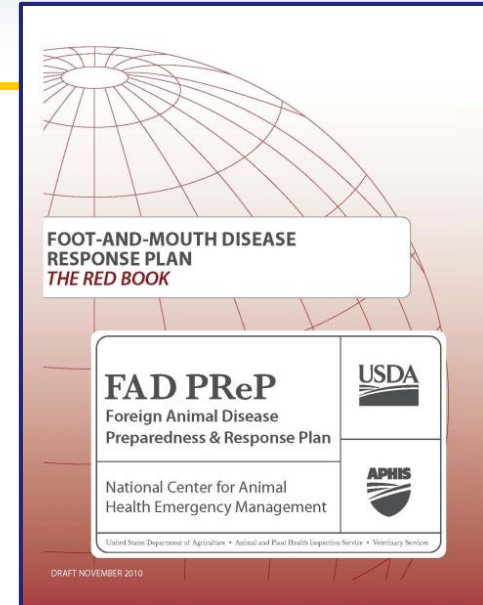


Overview

- Foot and Mouth Disease (FMD) Current National Response Planning Guidance
- FMD vaccination basics
- Global use of FMD Vaccine
- Uruguay a case study for responsive vaccination
- FMD vaccination contingency planning concepts and needs for the US

Current national FMD response planning guidance

- FMD Response Goals (5.1.1)
 - Detect, control, contain FMD in animals as quickly as possible
 - Eradicate FMD using strategies that stabilize animal agriculture, food supply, economy
 - Provide science- and risk-based approaches and systems that facilitate **continuity of business** for *non-infected animals* and *non-contaminated animal products (eg Milk)*



There are four proposed strategies for the control and eradication of FMD (USDA FMD RedBook Ch 5.1.2)

- Stamping-out
- Stamping-out, modified with emergency **vaccination** to slaughter
- Stamping-out, modified with emergency **vaccination** to live
- **Vaccination** to live, without stamping-out

NOTE: The response strategy may need to change over time

National response to FMD summary

- Rapid control and eradication still the goal, but...
 - Animal/product movements from concentrated dairy, beef and swine sectors present a huge challenge
 - Mass depopulation - inadequate resources/political will
 - May take months/years to gain freedom from the disease
 - Recent policy enhancements
 - **Continuity of business planning**
 - **Early consideration of vaccination**
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But remember, vaccination is only one of many tools for control of FMD

- Managed Movement
- Biosecurity
- Stamping Out
 - Slaughter of all clinically affected and in-contact susceptible animals (within 24 hours or as soon as possible)
- Trace back/Trace forward
 - 2 incubation periods prior to outbreak (OIE incubation period for FMD is 14 days)
- Rapid Diagnostics
- Vaccination
 - Vaccinate to kill/slaughter/live