National Institute for Animal Agriculture Annual Conference

The Trade Impact of Reporting Foreign Animal Diseases

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Diseases that May Affect Trade

- Foot-and-mouth disease (FMD)
- Bovine spongiform encephalopathy (BSE)
- Classical swine fever (CSF)
- Highly pathogenic avian influenza (HPAI)
Diseases that May Affect Trade

Less well-known diseases

• Bluetongue

• Bovine leucosis

• Low path avian influenza
Significant Trade Impacts

Newcastle Disease

• Identified in 2002-2003, California & other states
• Backyard birds and commercial poultry
• Overall industry losses estimated at $5B
Significant Trade Impacts
Bovine Spongiform Encephalopathy

- December 2003
- Immediate restrictions
- 2003: Exported <1M metric tons of beef exports
- 2004: 200,000 metric tons of beef exported
Significant Trade Impacts

Highly Pathogenic Avian Influenza

• 2014-15
• Significant production and trade impacts
Emerging or Novel Diseases
Porcine epidemic diarrhea (PED)

- Identified in April 2013
- Large production impact
- Minimal trade impact
Emerging or Novel Diseases

**Influenza virus – H1N1**

- 2009, identified in people
- Initially called “swine flu”
- Trade impacts
Trade Impact Mitigation

- Control and eradicate disease
- Zoning/regionalization
- Agreements
- Import actions
Disease Response Activities: How do they Affect Trade?

- Methods of depopulation, disposal, C&D
- Movement controls
- Epidemiological information
- Vaccination
Disease Response Activities: How do they Affect Trade?
Thanks for your attention