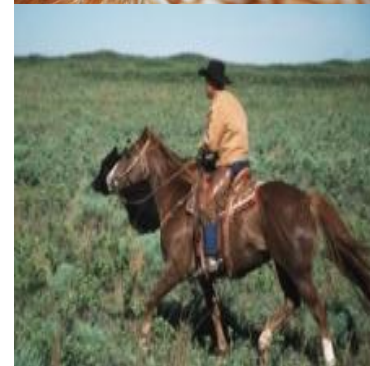




Cross Border Livestock Health Conference

Protecting US Agriculture—Biosecurity Past, Present, & Future

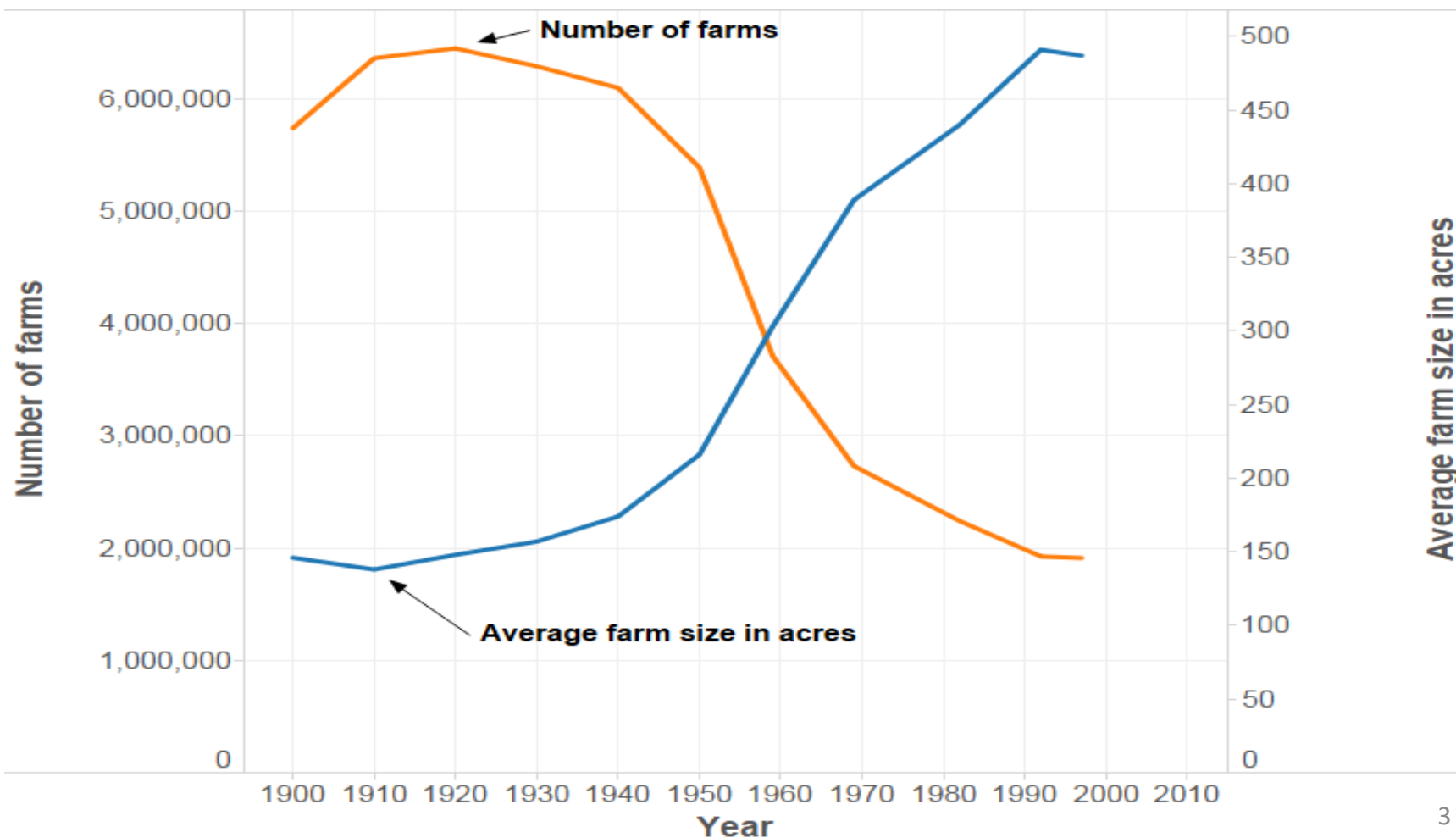
John R. Clifford
U.S. Department of Agriculture
Animal and Plant Health Inspection Service
Veterinary Services
April 5, 2016



Agriculture Past vs. Present



Average Farm Size and Number of Farms Since 1900



FMD

**FOOT-AND-MOUTH DISEASE
RESPONSE PLAN**
THE RED BOOK

FAD PReP
Foreign Animal Disease
Preparedness & Response Plan

National Center for Animal
Health Emergency Management

USDA

APHIS

United States Department of Agriculture • Animal and Plant Health Inspection Service • Veterinary Services

DRAFT SEPTEMBER 2011

APHIS

CANADA

UNITED STATES

MEXICO

North Pacific Ocean

Gulf of Mexico

San Francisco, Los Angeles, San Diego, San Antonio, Houston, Dallas, Memphis, St. Louis, Chicago, Detroit, Philadelphia, New York, Boston, Washington, D.C., Atlanta, New Orleans, San Antonio, Houston, Dallas, Memphis, St. Louis, Chicago, Detroit, Philadelphia, New York, Boston, Washington, D.C., Atlanta, New Orleans

San Francisco, Los Angeles, San Diego, San Antonio, Houston, Dallas, Memphis, St. Louis, Chicago, Detroit, Philadelphia, New York, Boston, Washington, D.C., Atlanta, New Orleans

San Francisco, Los Angeles, San Diego, San Antonio, Houston, Dallas, Memphis, St. Louis, Chicago, Detroit, Philadelphia, New York, Boston, Washington, D.C., Atlanta, New Orleans

2001 United Kingdom FMD Outbreak

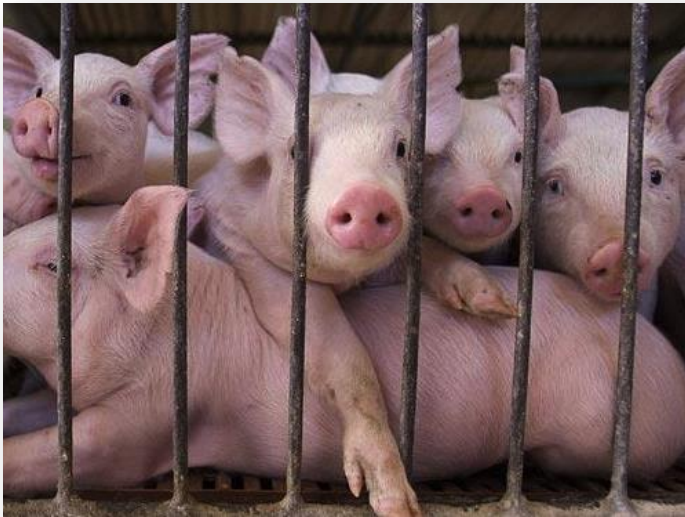


PEDv

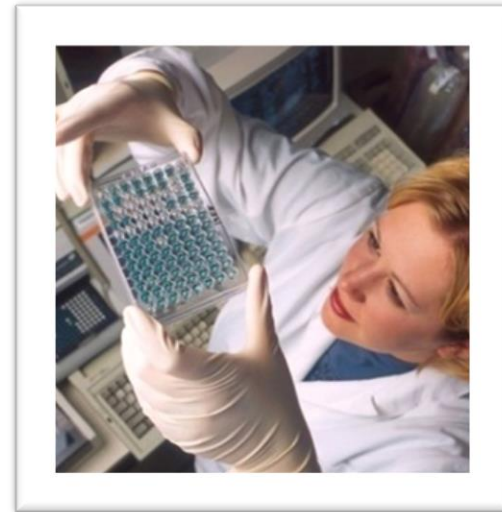


IHC, 8 hours post-exposure

PDCoV



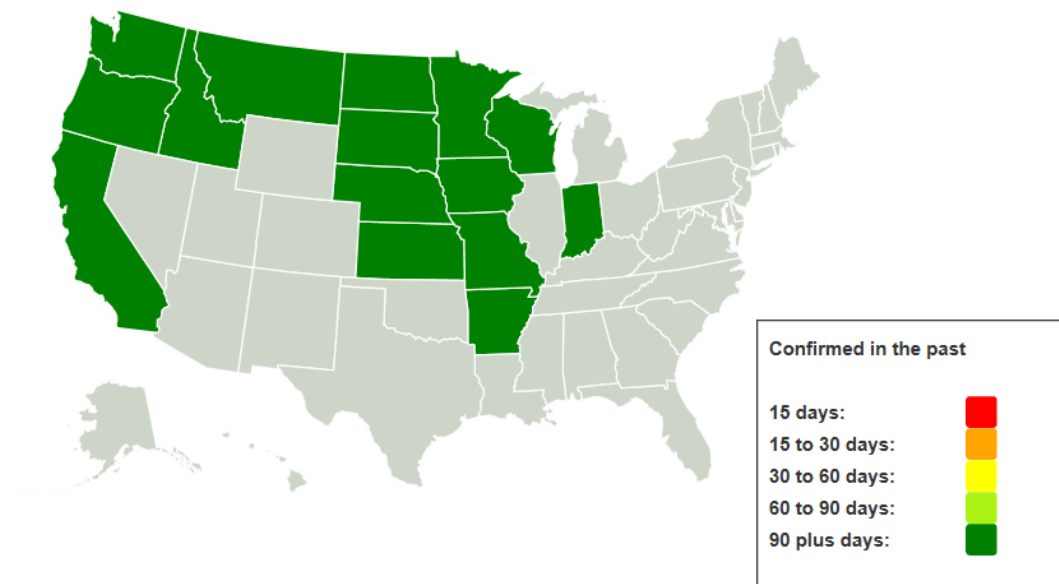
HPAI



2015 HPAI Statistics

- 15 States with findings in poultry
- 109 commercial flocks in Minnesota
- 71 commercial flocks in Iowa
- Far greater impact than previous AI cases

Update on Avian Influenza Findings
Poultry Findings Confirmed by USDA's National Veterinary Services Laboratories



Biosecurity

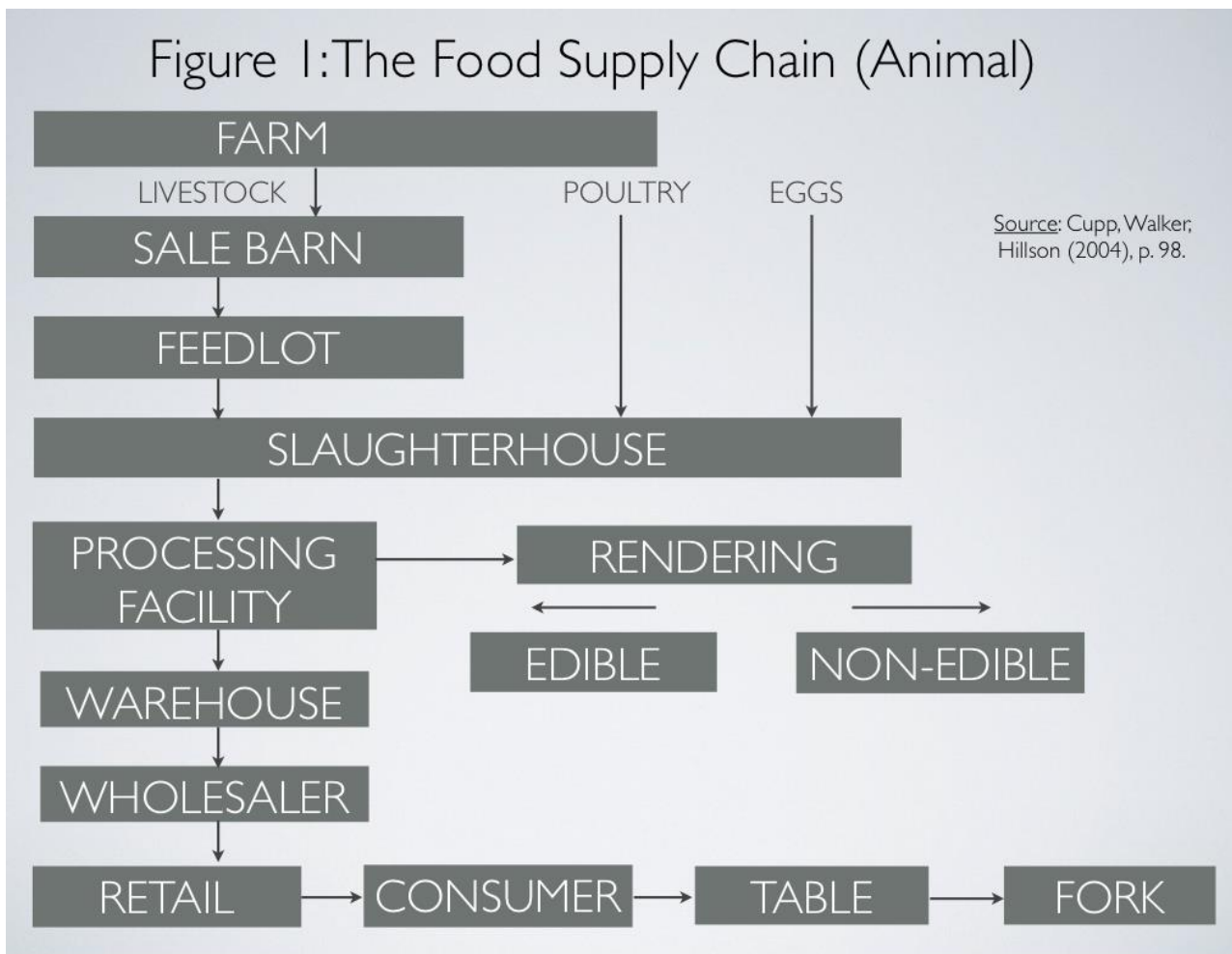




“Know your farmer, know your
food.”

-Secretary Thomas Vilsack

Secure Food Supply Plan



Questions?

