Secure Food Supply Plans for the Poultry Industry 2014 Update

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Secure Poultry Supply Plans

SBS
SECURE BROILER SUPPLY

STS
SECURE TURKEY SUPPLY

SES
SECURE EGG SUPPLY
Goals of the Secure Food Supply Projects

• Avoid interruptions in animal/animal product movement to commercial processing from farms with no evidence of infection during an FAD outbreak;
• Provide a continuous supply of safe and wholesome food to consumers; and
• Maintain business continuity for producers, transporters, and food processors through response planning.
Preparedness and Response Goals

1. Detect, control, and contain the FAD in animals as quickly as possible

2. Eradicate the FAD using strategies that seek to stabilize animal agriculture, the food supply, the economy, and protect public health; and

3. Provide science- and risk-based approaches and systems to facilitate continuity of business for non-infected animals and non-contaminated animal products.
Continuity of Business (Managed Movement)

COB is the managed movement of non-infected animals and non-contaminated animal products from non-infected premises in an FAD outbreak. This helps to facilitate agriculture and food industries in maintaining normal business operations, while simultaneously mitigating the risk of disease spread from this movement.
Secure Food Supply Projects

Continuity of Business

• Development of protocols and tools to eliminate or minimize unintended negative consequences of the disease and disease response on agriculture and consumers while at the same time achieving the goals of disease control and response.
Key Elements for Managed Movement during an Outbreak

• Proactive risk assessment
• Surveillance requirements
• Biosecurity guidelines
• C&D procedures
• Epi - trace forward/backward
• Permitting guidance for movement
• Information management
Evaluates risk proactively before an outbreak occurs to:

- Promote business continuity
  - movement of non-infected animal and non-contaminated animal products from uninfected farms
- Facilitate emergency response planning
- Development / evaluation of mitigation measures applied to identified risk areas
- Informs movement permitting decisions

A request for a movement permit

- Must be supported by a risk assessment (or a scientifically based logical argument) to demonstrate the risk of disease spread associated with the movement of the product is acceptable.
Public Private Partnership Approach
Government – Industry – Academic

- Focus on shared interests and identify mutual benefits
- Understand perspectives, priorities and responsibilities
- Adapt to changing realities and needs
- Increase knowledge of risk and science-based approaches
- Prevention & management as well as control & disposal
- Recognize ‘acceptable risk’
Commodity Working Group

• Each commodity (eggs, turkeys, broilers) has a working group that consists of the following
  – UMN → content expert, risk assessor, VPH resident
  – Industry → DVM’s, farm managers, corporate representatives
  – USDA → Area epidemiologists, area district directors (ADD), etc
  – State → State animal health officials
Secure Poultry Supply Plans

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Secure Broiler Supply Plan
2014 Report
Broiler Sector Working Group 2014 Activities

- Secure Broiler Supply Website
  - [www.securebroilersupply.com](http://www.securebroilersupply.com)
- Broiler Hatching Egg Risk Assessment- Completed
- Broiler Day Old Chick Risk Assessment- Completed
- Broilers to Slaughter Risk Assessment – In Process
- Broiler Movement Exercise
The Draft Summary of the Secure Broiler Supply (SBS) Plan

INTRODUCTION

The SBS Plan promotes food security and animal health through continuity of market planning for a highly pathogenic avian influenza (HPAI) outbreak. This plan makes specific science- and risk-based recommendations that emergency decision makers (such as Incident Commanders) can use to rapidly decide whether to issue or deny permits for the movement of broiler industry products during an HPAI outbreak.

Download the Draft Secure Broiler Supply (SBS) Plan
Broiler Sector Working Group 2014 Activities

Broilers to Slaughter Risk Assessment

- Pathway Assessment Completed
- Measures and Protocols to be implemented during a outbreak – developed
  - Active Surveillance Protocol Options
  - Pre-movement isolation Period
  - Biosecurity Measures for Critical Operational Visits
- Current focus (Writing in Process)
  - Alternate Surveillance Protocol Options
  - Aerosols
  - Employees
Release/Entry Assessment for Live Bird Movement

- Likelihood of the flock becoming infected before movement
  - Routine movements of vehicles and personnel
  - Local Area spread
  - Impact of Biosecurity

- Likelihood that infection is not detected by the time of movement
  - Active surveillance

- For poultry product assessments, the premises was conservatively assumed to be infected, undetected
Broiler Movement Exercise

- Facilitated by UMN-CAHFS and Minnesota Board of Animal Health
  - Business continuity panel discussion
  - Table top exercise: Notifiable Avian Influenza, a Practical Response in Minnesota
  - Tour by GNP Company: visit to hatchery, broiler farm, and processing plant
- After Action Report is posted on www.securebroilersupply.com
Photos courtesy of GNP Company
Broiler Movement Exercise
Participants

**Academia**
- University of Minnesota Center for Animal Health and Food Safety
- University of Minnesota College of Veterinary Medicine
- University of Minnesota, National Center for Food Protection and Defense

**Government**
- Minnesota Board of Animal Health (BAH)
- Minnesota Department of Agriculture (MDA)
- Minnesota Department of Health (MDH)
- Iowa Department of Agriculture and Land Stewardship
- South Dakota Animal Industry Board
- USDA/APHIS/Veterinary Services
- USDA/APHIS/VS/Center for Epidemiology and Animal Health (CEAH)
- USDA/APHIS/VS/National Poultry Improvement Plan (NPIP)
- USDA/Agricultural Research Service (ARS)/Southeast Poultry Research Lab (SPRL)
- St. Cloud Area Chamber of Commerce

**Industry**
- GNP Company
- Willmar Poultry Company
- Jennie-O Turkey Store
- Michael Foods
- Minnesota Turkey Growers Association
- Chicken and Egg Association of Minnesota
- Purina Animal Nutrition
- Sparboe Co.
- Daybreak Foods, Inc.
- Purina Animal Nutrition
- Red Oak Pheasants
- Ag Forte
- Life Science Innovations
Broiler Movement Exercise
Purpose and Design

Designed to increase knowledge and understanding of live poultry movement in order to enhance risk assessment of and response to live movement in the event of an HPAI outbreak.

• Opportunity for stakeholders to meet with industry veterinarians and live poultry production managers
  – observe and participate in guided discussions about the process and disease risks involved in the movement of live poultry.

• Establish relationships between the various stakeholders
Broiler Movement Exercise
Outcomes

1. A deeper understanding of the constraints that govern the HPAI outbreak events
2. Identified gaps in the Secure Broiler Supply Plan and explored ways to address them
3. Educated stakeholders about working through a difficult scenario
Turkey Sector Working Group 2014 Activities

• Secure Turkey Supply Website
  – In Beta mode
• Turkey Hatching Egg Risk Assessment
  – Risk Assessment draft in review, CEAH (Sept 2014)
  – Manuscript in review for publication
• Turkey Day Old Poults Risk Assessment
  – Risk Assessment revised draft in review, CEAH (Aug 2014)
• Turkeys to Slaughter Risk Assessment
  – Expert Opinion Survey on biosecurity, aerosol and local area spread (Spring 2014)
  – Normal mortality modeling in progress
  – Updating of recommended guidelines in progress
The Draft Summary of the Secure Turkey Supply (STS) Plan

INTRODUCTION

The STS Plan promotes food security and animal health through continuity of market planning for a highly pathogenic avian influenza (HPAI) outbreak. This plan makes specific science- and risk-based recommendations that emergency decision makers (such as Incident Commanders) can use to rapidly decide whether to issue or deny permits for the movement of turkey industry products during an HPAI outbreak.

Download the Draft Secure Turkey Supply (STS) Plan

PUBLIC-PRIVATE-ACADEMIC-PARTNERSHIP

The Turkey Sector Working Group—the multidisciplinary team that prepared this STS Plan—includes representatives of the following organizations:
Secure Egg Supply Plan
2014 Report
Egg Sector Working Group 2014 Activities

• Updated Website SES plan

• Current focus on developing more outreach opportunities
  – Tri state SES conference with Indiana, Michigan, and Ohio June, 2014
Summary of the Secure Egg Supply (SES) Plan

The Summary of the Secure Egg Supply (SES) Plan (Download the SES Plan Final Summary)

INTRODUCTION

The SES Plan promotes food security and animal health through continuity of market planning for a highly pathogenic avian influenza (HPAI) outbreak. This plan makes specific science- and risk-based recommendations that emergency decision makers (such as Incident Commanders) can use to rapidly decide whether to issue or deny permits for the movement of egg industry products during an HPAI outbreak.

Download the full Secure Egg Supply (SES) Plan

PUBLIC-PRIVATE-ACADEMIC-PARTNERSHIP

The Egg Sector Working Group – a multidisciplinary

http://secureeggsupply.com/
Egg Sector Working Group 2014 Activities
Tri state SES conference

• Indiana, Michigan, and Ohio - June, 2014
• Focus on Education and Adoption
  – Industry and regulatory stakeholders
• 58 attendees
  – Industry
  – State Officials
  – Federal Officials
  – Academia
Secure Egg Supply Tri-State Workshop
Participants

Academia
• University of Minnesota
• Iowa State University

Government
• USDA APHIS Veterinary Services
• Michigan Dept. of Agriculture and Rural Development (MDARD)
• Indiana Board of Animal Health
• Ohio Department of Agriculture

Industry
• Active Feed Co.
• Berne Hi-way Hatchery
• Commodity Blenders
• Cal-Maine Foods
• CHS
• Cooper Farms
• Culver Duck
• Day Break Foods
• Egg Innovations
• Herbruck’s
• Hertzfeld Poultry
• Hy-line North America
• Kalmbach Feeds
• Konos Eggs
• MAPI
• Maple Leaf Farms Midwest Poultry Services
• Miller Poultry
• Minnich Poultry
• New Day Farms
• Premier Eggs
• Rose Acre Farms
• Rindler Poultry
• Sauder's Amish Country Eggs
• Schipper Eggs
• Stoller Farms
• Sunrise Acres
• United Egg Producers
• Wabash Valley Produce
• Weaver Brothers, Inc.
• Indiana State Poultry Association (ISPA)
• Ohio Poultry Association (OPA)
• Michigan Allied Poultry Industries, Inc.
Egg Sector Working Group 2014 Activities
Tri state SES conference

• Objectives
  – Educate attendees about SES plan
  – Focus on the movement of egg products during a HPAI outbreak
  – Encourage networking
  – Plan next steps for action
Egg Sector Working Group 2014 Activities
Tri state SES conference

• Outcomes
1. Desire for a scenario driven table top exercise in the future to further understand the implications of a HPAI outbreak
2. Interest in successfully engaging retailers in the issue
3. Industry and government leaders, and academics gained knowledge about the logistics and issues related to product movement during HPAI event.
4. Participants appreciated understanding the point of view of others involved in the issue.
Additional Actions

- SES Preparedness Component
  - Work to identify a national auditing firm to conduct biosecurity audits under the authority of corresponding state
  - Work to develop the SES data portal to be available to be used nationally.
Additional Actions

• Economics and Consequence Assessment
  – Address need for compliance with relevant statutory requirements and international guidelines
    • Needed if a HPAI outbreak results in regulatory rulemaking or regulatory decisions with an impact on public
  – CEAH, CSU, UMN CAHFS
Acknowledgments

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– USDA - AHPIS – STAS - CEAH
– State Animal Health Officials
– University of MN CAHFS; VPHPM Residents, Staff, and Faculty
– CFSPH Iowa State University
– Industry Stakeholders
Questions / More Information

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• Secure Poultry Supply Websites
  http://secureeggsupply.com/
  http://www.securebroilersupply.com/
  http://www.secureturkeysupply.com/

• USDA FAD PReP Materials and References

Thank You