HPAI: Biosecurity

USAHA
Transmissible Diseases of Poultry Committee
October 27, 2015

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Biosecurity

Those operational or structural measures or procedures intended to protect humans or animals against disease.
Epidemiological Analyses

Risk factors identified:

- C/D of vehicles
- Designated parking areas
- Presence of wild birds
- Feed trucks
- Live haul loaders
- Lack of biosecurity audits

(Dr. Michelle Kromm, MN)
Moving Forward – Phase 1

USDA Enhanced Biosecurity for Poultry Producers

Highly pathogenic avian influenza (HPAI) affected over 200 poultry premises in the upper Midwest in spring 2015. The scope of the detections demonstrated that the biosecurity of poultry facilities needs to be strengthened to reduce the risk of future infections as much as possible.

To assist poultry producers in implementing effective biosecurity plans, the Animal and Plant Health Inspection Service (APHIS) worked with State, academic, and industry experts to develop this biosecurity checklist.

Checklist for Self-Assessment of Enhanced Biosecurity

Educational Materials
- HPAI Biosecurity Officer Information and Training Materials
- USPOULTRY Biosecurity FASA

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Moving Forward – Phase 1

Poultry Biosecurity Training Materials

This site offers educational materials for the poultry industry to support implementation of biosecurity recommendations identified in the Checklist for Self-Assessment of Enhanced Poultry Biosecurity. The materials are arranged by checklist item. The materials can be downloaded, printed and used as is. However, poultry Biosecurity Officers are encouraged to modify the resources to best meet the situation at their operations. Spanish-language versions of the handouts and PowerPoint presentations will be developed in the near future.

These HPAI Biosecurity Training Materials were produced by the Center for Food Security and Public Health, Iowa State University, College of Veterinary Medicine. The USDA, APHIS, Veterinary Services, Surveillance, Preparedness and Response Services, National Preparedness and Incident Coordination provided funding through a cooperative agreement to the Center for Food Security and Public Health to develop these materials.

We welcome your suggestions for improvement.

Biosecurity Officer

The first checklist recommendation is that “each production site (or integrated system) should have a Biosecurity Officer capable of designing and implementing effective biosecurity procedures”. The Poultry Biosecurity Officer Information Manual provides guidance for a Biosecurity Officer in accomplishing the other checklist items.

- Poultry Biosecurity Officer Information Manual
- Biosecurity Officer Manual – en español

Training Employees and Other Personnel

Short video presentations are available for training purposes. The PowerPoint file for each presentation is also provided. The presentations can be downloaded and modified to better address specific factors at your production site.

- Introduction Video (7 min.)  Presentation Video (7 min.) – en español  Presentation – en español
- Do NOT Bring Avian Influenza to the Site Video (6 min.)  Presentation Video (6 min.) – en español  Presentation – en español
- Perimeter Buffer Area Video (8 min.)  Presentation Video (8 min.) – en español  Presentation – en español
- Line of Separation Video (8 min.)  Presentation Video (8 min.) – en español  Presentation – en español
Self-Assessment Demographics

• 531 respondents (as of October 23)
• 47 states
• Other category = Pheasants, geese, zoo, gamebird, quail, raptor
• Average size:
  Layers - 4 to 12.4 million
  Broilers 1 to 10 million
  Turkeys – 7 to 200,000
  Pullets – 25 to 2 million
Self-Assessment (Broiler)
Self-Assessment (Layer)
Self-Assessment (Turkey)
Self-Assessment (Pullet)

- Biosecurity Officer
- Training
- Line of Separation
- Perimeter Buffer Area
- Personnel/Clothing
- Wild birds, rodents, insects
- Equipment
- Dead bird disposal
- Manure/litter management
- Replacement poultry
- Water supply
- Feed/replacement litter

- Not in place
- In progress
- In place
Moving Forward with Biosecurity

• Further development of materials to develop risk-based site-specific biosecurity plans

• Develop plan for oversight of biosecurity plan and mechanism of verification:
  – Industry led
  – National Poultry Improvement Plan
  – Third party auditor

• If necessary, regulatory changes
HPAI Interim Rule

– Codifies indemnity split between owner and grower
– Requires self-certification that biosecurity procedures were in place and followed in order to receive future indemnity.
– Exemptions for smaller facilities
– Publication soon
– First step in stronger accountability
Biosecurity Information

• Go to: http://www.uspoultry.org/animal_husbandry/intro.cfm
• Also linked from the AI icon on the APHIS homepage (www.aphis.usda.gov)
A final thought...

“you either make yourself accountable or you will be made accountable by your circumstances.”

(Anonymous)
Questions?