HPAI – Response and Prevention

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Biosecurity

BIOSECURITY IS A TEAM EFFORT

It takes collaboration among all stakeholders to practice biosecurity, prepare for and prevent outbreaks.

Let's keep our poultry healthy together
aphis.usda.gov/animalhealth/defendtheflock

#DEFENDTHEFLOCK
• 1 page summary vs 70 page report underway.

• Additional data analysis between turkey/layer farms to come.

• Next set of data from July 2022-March 2023 epi report scheduled to be released in the fall.
Outbreak Control Steps

- Detection
- Control Zone
- Surveillance
- Depopulation
- Disposal
- Decontamination
- Down Time
- Retesting
- Product Movement
- Control Zone Release

Image from USDA redbook
What about vaccines?

- 3 Key Issues:
  1. Development of a new vaccine
  2. Robust domestic surveillance program
  3. Trade implications/political aspects

- Points of consideration:
  1. Vaccines will not prevent infection of birds.
  2. Logistics of vaccination is very complicated.
Avian influenza – economic impact

- **2015 H5Nx (N2, N8)**
  - 50.4 million birds
  - $1.6 billion direct
  - $3.3-5 billion impact

- **2022 H5N1**
  - ~58.8 million birds
  - $414 million committed
  - Total of $667 million (<50% of cost of 2015)

*Source: Dr. Fidelis Hegngi, NCPA Virtual meeting 3-31-23*