Live Bird Marketing Systems (LBMS) Status Report

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Veterinary Services
USDA, APHIS

U.S. Department of Agriculture
LBMS-WG Report
LBMS-WG Meeting – San Diego, CA 
February 20-21, 2019

- 71 participants
  - 26 USDA, APHIS, VS, 4 LBMS/poultry industry stakeholders, 3 State animal health diagnostic lab representatives, 3 universities, and 35 State Department of Agriculture participants representing 23 States

- Welcome/Opening Remarks
  - Dr. Annette Jones (Director and State Veterinarian, California Department of Food and Agriculture)
  - Dr. Kent Fowler (Animal Health Branch Chief, California Department of Food and Agriculture)
  - Dr. Gary Brickler (Director District 3, USDA APHIS VS)
  - Dr. Larry Rawson (AVIC – CA, HI, GU, AS, and MP) District 3
The working group discussed:

- Fiscal Year (FY) 2018 Avian Health line item budget update.

- An update on Initial State Response and Containment Plan (ISRCP) indemnity and compensation procedures.

- California AI Incidents—H7N3 LPAI Overview, Challenges and Lessons Learned.

- Minnesota AI Incidents in Commercial Poultry—H5N2 LPAI Overview, Challenges and Lessons Learned.

- California Virulent Newcastle Disease: Overview and Lessons Learned; Farm Specific Secure Food Supply Plans; Biosecurity Accomplishments; Overview of LBM vND and Lessons Learned; Education and Outreach Efforts.

- Health Monitoring for People Exposed to Avian Influenza.

The working group discussed:

- An update on the National Poultry Improvement Program (NPIP) and the announcement of the 2020 NPIP Biennial and General Conference Committee (GCC) meeting in Providence, RI.

- NPIP authorized laboratories system and compartmentalization update.

- AI Dashboard: Cooperative agreement future data processing and reporting.

- An update on mass depopulation and euthanasia technologies.

- An update on mass disposal methods and cleaning and disinfection.

- National Veterinary Stockpile (NVS) update and accomplishments.

- New York LBM HPAI Response Exercise and Lessons Learned

- An update on the Zoetis Flu Detect AI rapid test.

- USDA Southeast Poultry Research Laboratory (SEPRL) Update on vND and Avian Influenza.
The working group discussed:

- Update on vND Response Policies and Procedures
- Vaccine immune evasion by AIV: Pandora’s Box opened with today’s technologies
- Discussion on Outreach and Education Projects: Defend the Flock (DTF) – Combined campaign; Background/Goals/Outreach materials; Webinar/Launch/Partnering; Calendar Replacements Social media vND response
- 2018 LBMS CE Training, College of Vet Med, University of Minnesota – Dr. Marvirstine Y Briggs-Fisher
- Zoonotic Disease Survey of Backyard Poultry and Swine Owners in Lancaster and York Counties, Pennsylvania.
- Role of Wild Waterfowl in the Ecology of Avian Influenza
- Potential North American Bridge hosts for avian influenza viruses

- LBMS-WG Meeting – Atlanta, GA. February 19-20, 2020
- LBMS-CE Training Course – UC Davis School of Veterinary Medicine, CA. - July 21-23, 2020
LBMS Surveillance


2015: 119,950
2016: 95,158
2017: 137,905
2018: 125,181
2019: 34,086

Courtesy – Dr. Jennifer Siembieda with CEAH
FY 2019 LBMS Surveillance Detection

- 2 detections of H7N3 LPAI in the U.S. LBMS
  - PA - H7N3 LPAI (Backyard/Non-Commercial LBMS Mixed Production Flock)
  - CT - H7N3 LPAI (Live Bird Market)
FY 2019 LBMS and Backyard Surveillance Detection

- **PA – H7N3 LPAI (Backyard/Non-Commercial LBMS Mixed Production Flock):**
  - Date original samples collected from Backyard/Non-Commercial LBMS Mixed Production Flock for routine pre-movement testing: 3/11/2019
  - Date University of Pennsylvania – New Bolton Center NAHLN lab reported non-negative H7 by rRT-PCR: 3/12/2019
  - Date PA Department of Agriculture (PDA) staff posted a quarantine at the farm: 3/13/19
  - Date NVSL confirmed H7 by PCR: 3/13/2019 and H7N3 LPAI by sequencing on 3/14/2019
  - Date chickens on the premises were depopulated: 3/16/2019
  - Date the remaining ducks on the premise were depopulated: 4/10/2019
  - Date C&D/virus elimination was completed: 5/10/2019
  - Date State Veterinarian released quarantine on the infected premises: 6/10/2019
FY 2019 LBMS and Backyard Surveillance Detection

- **CT - H7N3 LPAI (Live Bird Market) in Fairfield County:**
  - Date original samples collected from LBM: 3/27/2019
  - Date University of CT Veterinary Medical Diagnostic Lab reported non-negative H7 by rRT-PCR: 3/28/2019
  - Date CT DOAG staff restricted the import of any additional inventory to this live bird market: 3/28/2019
  - Date NVSL confirmed H7N3 LPAI via rRT-PCR: 3/29/2019
  - Date sell down at LBM was completed: 4/6/2019
  - Date LBM completed C&D: 4/7/2019
  - Date LBM was approved to officially reopen and restock by the CT DOAG: 4/9/2019
  - Dates of post C&D environmental sampling negative results: 4/19/2019
Poultry Biosecurity Outreach & Education

Plans for 2019 and Beyond
Poultry Biosecurity Outreach & Education

Campaign Goals

The campaign focuses on three initiatives:

- Promote adoption of best practices in biosecurity among all growers
- Encourage interaction and cooperation between backyard growers and commercial growers
- Develop and distribute resources that partner organizations can use to inform stakeholders
Poultry Biosecurity Outreach & Education

- In November 2018, USDA launched the new Defend the Flock campaign that combines outreach to both commercial and backyard poultry flocks.

- The new campaign emphasizes the importance of shared responsibility between anyone who owns or works with poultry.

- Since the launch, the campaign hosted two webinars to share information with all poultry owners and workers.

- We also launched a twice-yearly e-newsletter in July.
Poultry Biosecurity Outreach & Education

New in 2019

E-Newsletter – Biannual newsletter featuring:
- Biosecurity principles, seasonal biosecurity articles and APHIS veterinarian Q&A
- Upcoming events
- Campaign resource links
Poultry Biosecurity Outreach & Education

New in 2019

#FlockDefender

- New social media campaign to increase awareness and promote biosecurity
- Work Together - Partners and Stakeholder organizations can share and push out to their audiences
Poultry Biosecurity Outreach & Education

Looking Ahead - Fall 2019

- Launch more biosecurity principles/checklists in English, Spanish, Chinese, Vietnamese and Tagalog, with new materials coming in FY2020.

- A webinar aimed at helping the commercial audience prepare for NPIP audits will take place in November 2019 featuring USDA, state and industry speakers.
Poultry Biosecurity Outreach & Education
Poultry Biosecurity Outreach & Education

Defend the Flock materials and information are available at: www.aphis.usda.gov/animalhealth/defendtheflock.

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Thank You
Questions?

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Photo credit – Watkins Poultry

Automatic crate washer