NATIONAL POULTRY IMPROVEMENT PLAN (NPIP)/LIVE BIRD MARKETING SYSTEMS (LBMS) ANNUAL STATUS REPORT

2017 USAHA COMMITTEE ON POULTRY AND OTHER AVIAN SPECIES

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SENIOR STAFF VETERINARIAN – AVIAN HEALTH
U.S. DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE
VETERINARY SERVICES
DATE
Outline

- NPIP Report
- LBMS-Working Group Report
- Education and Outreach
  - Biosecurity for Birds
  - Defend the Flock
NPIP Report
To provide a cooperative Industry-State-Federal program through which new diagnostic technology can be effectively applied to the improvement of poultry and poultry products throughout the country.
NPIP Administration

- 50 Official State Agencies
  - 49 States and 1 U.S. Territory

- 99 Authorized Laboratories
  - 40 States
  - 42 also belong to the NAHLN

- Provisions are in the Code of Federal Regulations
  - 9 CFR parts 56, 145, 146, 147 and the Program Standards

- General Conference Committee – Secretary of Agriculture’s Official Advisory Committee on Poultry Health

- Participating Hatcheries
  - Egg and Meat Type Chicken Hatcheries – 254
  - Turkey Hatcheries – 49
  - Waterfowl, Exhibition and Game Bird Hatcheries – 665
Official NPIP Classifications

- **Breeder Classifications**
  - U.S. Pullorum Typhoid Clean
  - U.S. Mycoplasma Gallisepticum Clean
  - U.S. Mycoplasma Synoviae Clean
  - U.S. Mycoplasma Meleagridis Clean
  - U.S. Mycoplasma Gallisepticum Monitored
  - U.S. Mycoplasma Synoviae Monitored
  - U.S. Salmonella Enteritidis Clean
  - U.S. Salmonella Enteritidis Monitored
  - U.S. Sanitation Monitored
  - U.S. Salmonella Monitored
  - U.S. Avian Influenza Clean
  - U.S. H5/H7 Avian Influenza Clean
  - U.S. Avian Influenza Clean Compartment
  - U.S. H5/H7 Avian Influenza Clean Compartment

- **Commercial Production Classifications**
  - U.S. H5/H7 Avian Influenza Monitored
**Salmonella Enteritidis**

Egg-type Chicken breeding flocks with isolates of *Salmonella Enteritidis* by phage type and by year 1989-2016

<table>
<thead>
<tr>
<th>Year</th>
<th>No. Flocks</th>
<th>Phage Type</th>
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<tbody>
<tr>
<td>1989</td>
<td>1</td>
<td>13A</td>
</tr>
<tr>
<td>1990</td>
<td>11</td>
<td>13A, 13, 8, 28</td>
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<td>1991</td>
<td>12</td>
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<tr>
<td>1992</td>
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<td>1993</td>
<td>5</td>
<td>Untypable, 8, 2</td>
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<td>1994</td>
<td>3</td>
<td>13A, 8</td>
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<td>1995</td>
<td>2</td>
<td>13A, 28</td>
</tr>
<tr>
<td>1996</td>
<td>5</td>
<td>Untypable, RNDC, 13A, 8, 2</td>
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<tr>
<td>1997</td>
<td>2</td>
<td>8</td>
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<tr>
<td>1998</td>
<td>2</td>
<td>8</td>
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<tr>
<td>1999</td>
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<tr>
<td>2000</td>
<td>4</td>
<td>13, 8</td>
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<tr>
<td>2001</td>
<td>1</td>
<td>13</td>
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<tr>
<td>2002-2004</td>
<td>0</td>
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<tr>
<td>2005</td>
<td>1</td>
<td>13</td>
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<td>2006</td>
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<td>34</td>
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<td>2007</td>
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<td>2008</td>
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<td>8</td>
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<tr>
<td>2009</td>
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<tr>
<td>2010</td>
<td>3</td>
<td>8(2), 13</td>
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<tr>
<td>2011-2013</td>
<td>0</td>
<td></td>
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<tr>
<td>2014</td>
<td>1</td>
<td>NA</td>
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<tr>
<td>2015-2017</td>
<td>0</td>
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</tbody>
</table>
Mycoplasma

MG and MS in Breeding Poultry 2014-2017

- WEGBY
- Egg-Type Chickens
- Meat-Type Chickens
- Turkeys

M. gallisepticum
M. synoviae
M. meleagridis
## Avian Influenza


<table>
<thead>
<tr>
<th>Subpart</th>
<th>Flocks</th>
<th>Birds</th>
<th>Tests</th>
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<tr>
<td>Egg-Type Chicken Breeders</td>
<td>293</td>
<td>7,117,010</td>
<td>28,741</td>
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<tr>
<td>Commercial Table Egg Layers</td>
<td>5,846</td>
<td>381,517,944</td>
<td>140,175</td>
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<td>Chicken Breeders</td>
<td>8,437</td>
<td>134,073,718</td>
<td>553,147</td>
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<td>Commercial Meat Chickens</td>
<td>107,101</td>
<td>9,185,334,073</td>
<td>1,465,230</td>
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<td>Turkey Breeders</td>
<td>982</td>
<td>8,328,948</td>
<td>52,920</td>
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<tr>
<td>Commercial Meat Turkeys</td>
<td>14,925</td>
<td>177,753,196</td>
<td>168,128</td>
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<tr>
<td>Waterfowl, Game Birds, Exhibition Poultry</td>
<td>5,808</td>
<td>2,396,768</td>
<td>92,437</td>
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<tr>
<td>Upland Game birds, Waterfowl, Raised for Release, Commercial Waterfowl</td>
<td>3,214</td>
<td>33,546,859</td>
<td>36,418</td>
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<tr>
<td><strong>Total</strong></td>
<td>146,606</td>
<td>9,930,068,516</td>
<td>2,537,196</td>
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</tbody>
</table>
Proficiency Tests

- Group D Salmonella
- Salmonella Serotyping
- AI AGID
- AI ELISA
- Collaboration with PDRC
  - Mycoplasma Serum Panel

NPIP Lab Requirements

- Check Test Proficiency
- Trained Technicians
- Laboratory Protocol
- State Site Visit - Annually
- NPIP Review
- Reporting - MOU
- Verification - Duplicate Samples
NPIP Workshops for Authorized Labs

- Mycoplasma Workshops
- Avian Influenza Workshops
- Salmonella Workshops
NPIP Contact Information

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LBMS-WG Report
71 participants
- 28 USDA, APHIS, VS, 2 LBMS/poultry industry stakeholders, 1 CDC representative, 6 State animal health diagnostic lab representatives, and 34 State Department of Agriculture participants representing 30 States

Welcome/Opening Remarks
- Dr. Susan Rollo - Texas Animal Health Commission - State Epidemiologist for Dr. Andy Schwartz - State Veterinarian and Executive Director, Texas Animal Health Commission
- Dr. Michael Pruitt - Assistant District Director, USDA APHIS VS, Texas, District 4 SPRS
- Mr. James Grimm - Executive Vice President Texas Poultry Federation

2018 LBMS-WG Meeting – New York City, NY. February 21-22
Live Bird Marketing System
Continuing Education Training
October 25-27, 2016

66 Participants
- 23 USDA-APHIS-VS
- 1 USDA-ARS
- 23 States
- 12 University (CSU & TX A&M)
- 1 Industry
- 6 International
  - Brazil, Honduras, Panama, Surinam, and 2-Thailand

Three Day Training consisted of:
- Lectures
- Laboratory
- Field Trip

- 2018 LBMS-CE Training – University of Minnesota - August 21-23
Handling and Restraint

Necropsy

Specimen collection

Blood collection
Education & Outreach

DEFEND THE FLOCK
Keeping Poultry Safe from Avian Influenza

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BIOSECURITY FOR BIRDS
2018 Campaign

- Use social media (Facebook, Twitter, YouTube) to share information with the target audience
  - New short videos on each of the 6 steps available in English and Spanish
- Work with partner groups to reach backyard poultry owners in their networks
  - Hatchery labels, fair packages, social content
- Host Bird Health Awareness Week activities, including joint webinar with CDC and the Chicken Whisperer
- More details to come in late 2017/early 2018
Calendars

- 2018 calendars ready to ship (distribution began July 2017)
  - Send requests to joelle.r.hayden@aphis.usda.gov and donna.l.karlsons@aphis.usda.gov
  - Include name, address, quantity and date needed
  - Up to 500 at a time; order more when needed
- 2019 calendar in development
Defend the Flock

- The new outreach and education campaign founded on basic biosecurity principles that serves to keep biosecurity measures top of mind for commercial companies and their growers.

- It focuses on protection and prevention, which are relevant goals for poultry companies who want to avoid HPAI outbreaks and related losses in their operations.

https://www.aphis.usda.gov/animalhealth/defendtheflock
Materials & Questions

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Questions???

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