NATIONAL POULTRY IMPROVEMENT PLAN (NPIP)

ANNUAL REPORT 2015-2016

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Animal and Plant Health Inspection Service
Veterinary Services

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Objective

• 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 US Territory
- 100 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 – 248
  - Turkey Hatcheries – 50
  - 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 Meleagrisidis 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
NPIP Participating Breeding Flocks and Birds

- Egg-Type Chickens
  - 242 flocks representing 6,181,077 birds
- Meat-Type Chickens
  - 4,991 flocks representing 101,168,290 birds
- Turkeys
  - 377 flocks representing 3,782,539 birds
- Waterfowl, Exhibition Poultry, Game Birds
  - 6,793 flocks with 1,964,487 birds
- Meat-Type Waterfowl
  - 123 flocks with 312,584 birds
Historic Look at Pullorum Reactors (1921-2016)
<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>
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<td>1990</td>
<td>11</td>
<td>13A, 13, 8, 28</td>
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<td>12</td>
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<td>1993</td>
<td>5</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>
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<td>1996</td>
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<td>Untypable, RNDC, 13A, 8, 2</td>
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<td>1997</td>
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<td>8</td>
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<td>1998</td>
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<td>8</td>
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<td>2005</td>
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<td>2010</td>
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<td>8(2), 13</td>
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<td>2011-2013</td>
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<td>2014</td>
<td>1</td>
<td>NA</td>
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<tr>
<td>2015-2016</td>
<td>0</td>
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Mycoplasma

MG and MS in Breeding Poultry 2014, 2015, 2016

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

M. gallisepticum
M. synoviae
M. meleagrisis
Avian Influenza

2015-2016 NPIP U.S. Avian Influenza Clean and U.S. H5/H7 Clean Participating Breeding Flocks; and U.S. H5/H7 Avian Influenza Monitored Participating Commercial Flocks:

<table>
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<th>Subpart</th>
<th>Flocks</th>
<th>Birds</th>
<th>Tests</th>
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<tr>
<td>Egg-Type Chicken Breeders</td>
<td>240</td>
<td>6,107,329</td>
<td>21,039</td>
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<td>Commercial Table Egg Layers</td>
<td>4,900</td>
<td>326,785,690</td>
<td>145,655</td>
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<td>Chicken Breeders</td>
<td>8,825</td>
<td>130,046,071</td>
<td>402,103</td>
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<tr>
<td>Commercial Meat Chickens</td>
<td>75,314</td>
<td>9,947,594,447</td>
<td>2,151,364</td>
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<td>Turkey Breeders</td>
<td>887</td>
<td>7,465,098</td>
<td>49,122</td>
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<tr>
<td>Commercial Meat Turkeys</td>
<td>15,272</td>
<td>101,671,715</td>
<td>163,413</td>
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<tr>
<td>Waterfowl, Game Birds, Exhibition Poultry</td>
<td>3,553</td>
<td>1,569,703</td>
<td>70,199</td>
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<tr>
<td>Upland Game birds, Waterfowl, Raised for Release, Commercial Waterfowl</td>
<td>3,128</td>
<td>43,433,478</td>
<td>48,173</td>
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<td><strong>Total</strong></td>
<td><strong>112,119</strong></td>
<td><strong>10,564,673,531</strong></td>
<td><strong>3,051,068</strong></td>
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</table>
Past NPIP Events

• Informal Stakeholder Meeting at the IPPE
  • January 26, 2016 (Atlanta, GA)

• NPIP Workshops
  • Mycoplasma – March 1-2, 2016 (Athens, GA)
  • Avian Influenza – April 12-13, 2016 (Athens, GA)
  • Salmonella – May 17-19, 2016 (Gainesville, GA)

• 43rd Biennial Conference
  • August 30-September 1, 2016 (Bellevue, WA)
Proficiency Tests

- Group D Salmonella (Now)
- Salmonella Serotyping (Now)
  - Kits Shipped September 13
  - Results Due October 28
- AI AGID (Winter 2016-2017)
- AI ELISA (Winter 2016-2017)

- Collaboration with PDRC
  - Mycoplasma Serum Panel (Now)
  - Mycoplasma PCR (Now)
    - Kits Shipped October 17
    - Results Due December 2

NPIP Lab Requirements

- Check Test Proficiency – Regular Schedule
- Trained Technicians – Every 4 Years
- Laboratory Protocol
- State Site Visit – Every Other Year
- NPIP Review – Every 3 Years
- Reporting - MOU
- Verification - Duplicate Samples
NPIP Workshops for Authorized Labs

- Mycoplasma Workshops
- Avian Influenza Workshops
- Salmonella Workshops
Future NPIP Events

- NPIP Workshops
  - Avian Influenza – December 6-7, 2016 (Athens, GA)
  - Mycoplasma – March 28-29, 2017 (Athens, GA)
  - Salmonella – May 2-4, 2017 (Gainesville, GA)

- Informal Stakeholder Meeting at the IPPE @ 8-10 AM in Room B306
  - February 1, 2017 (Atlanta, GA)

- Official State Agency Meeting
  - May 16-17, 2017 (Portland, Maine)

- General Conference Committee Meeting
  - May 18, 2017 (Portland, Maine)

- Compartmentalization Auditor Workshop
  - January 10-13, 2017 (Gainesville, GA)
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