



# NATIONAL POULTRY IMPROVEMENT PLAN (NPIP)

## ANNUAL REPORT 2015-2016

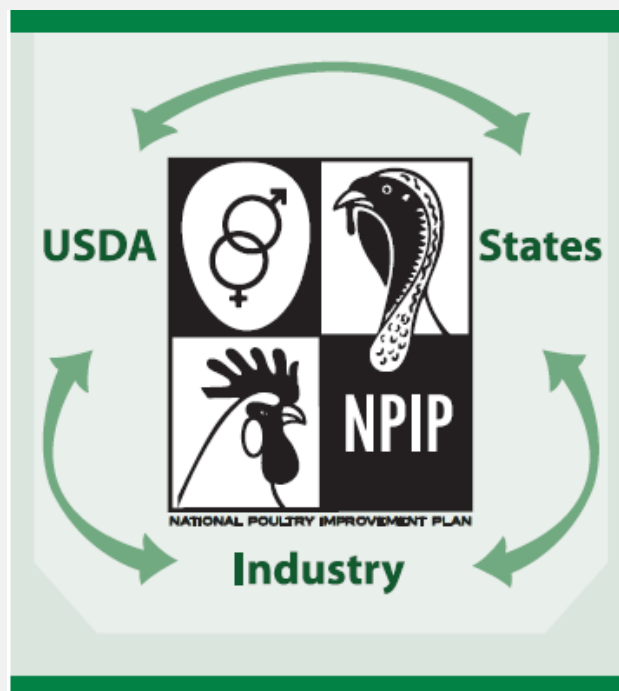
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October 18, 2016

# 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

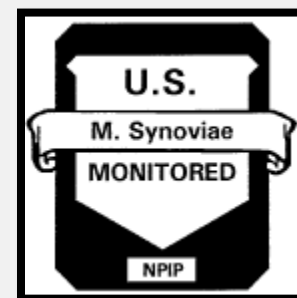
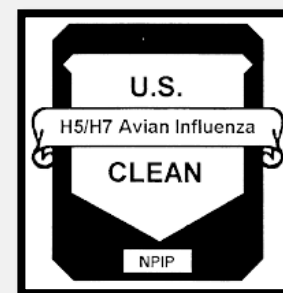
- 50 Official State Agencies
  - 49 States and 1 US Territory
- 100 Authorized Laboratories
  - 40 States
  - 42 also belong to the NAHLN
- Provisions are in the Code of Federal Regulations
  - (9 CFR parts 56, 145, 146, 147 and the Program Standards)
- General Conference Committee – Secretary of Agriculture’s 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 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



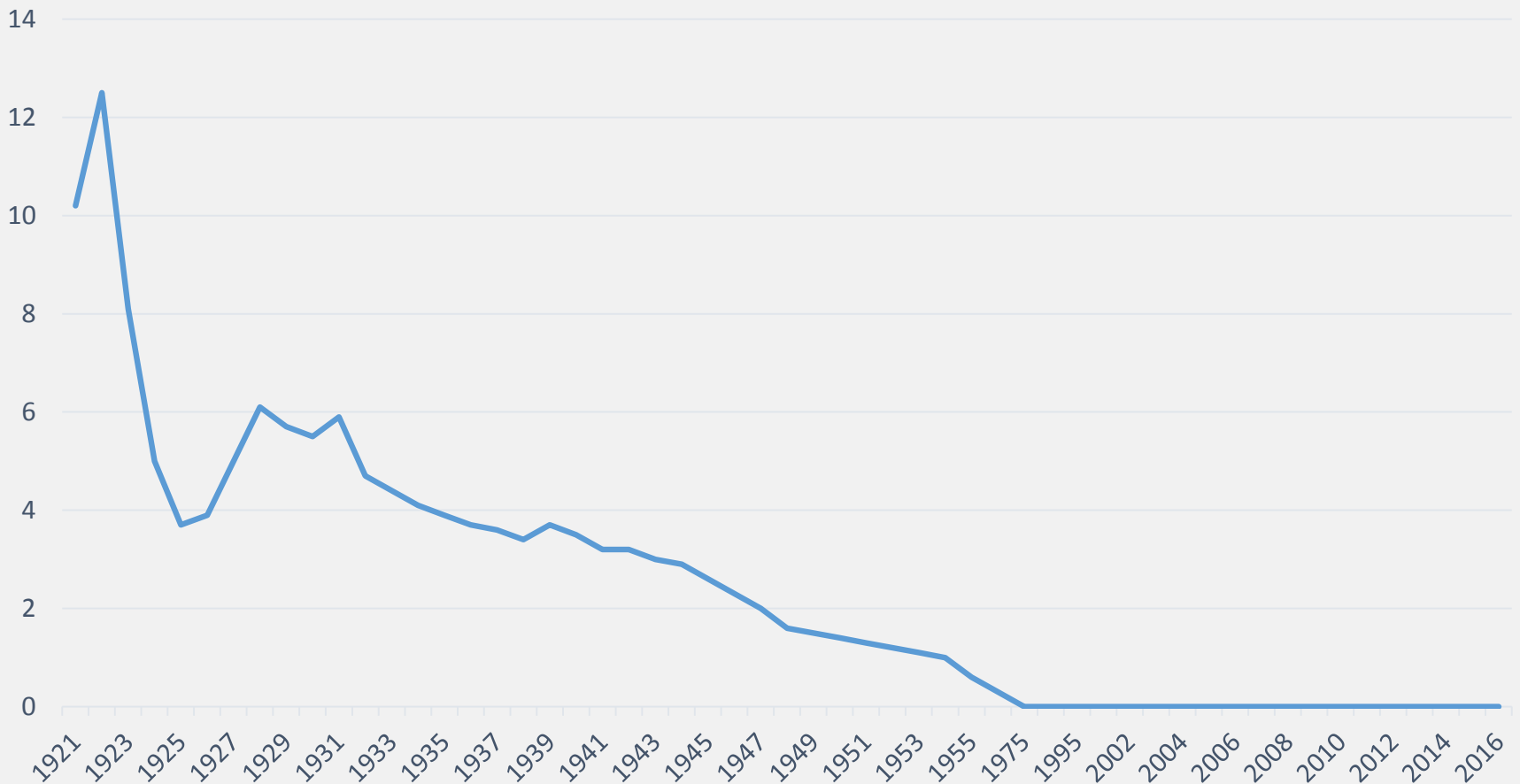
# NPIP Participating Breeding Flocks and Birds

- 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)

Pullorum Reactors



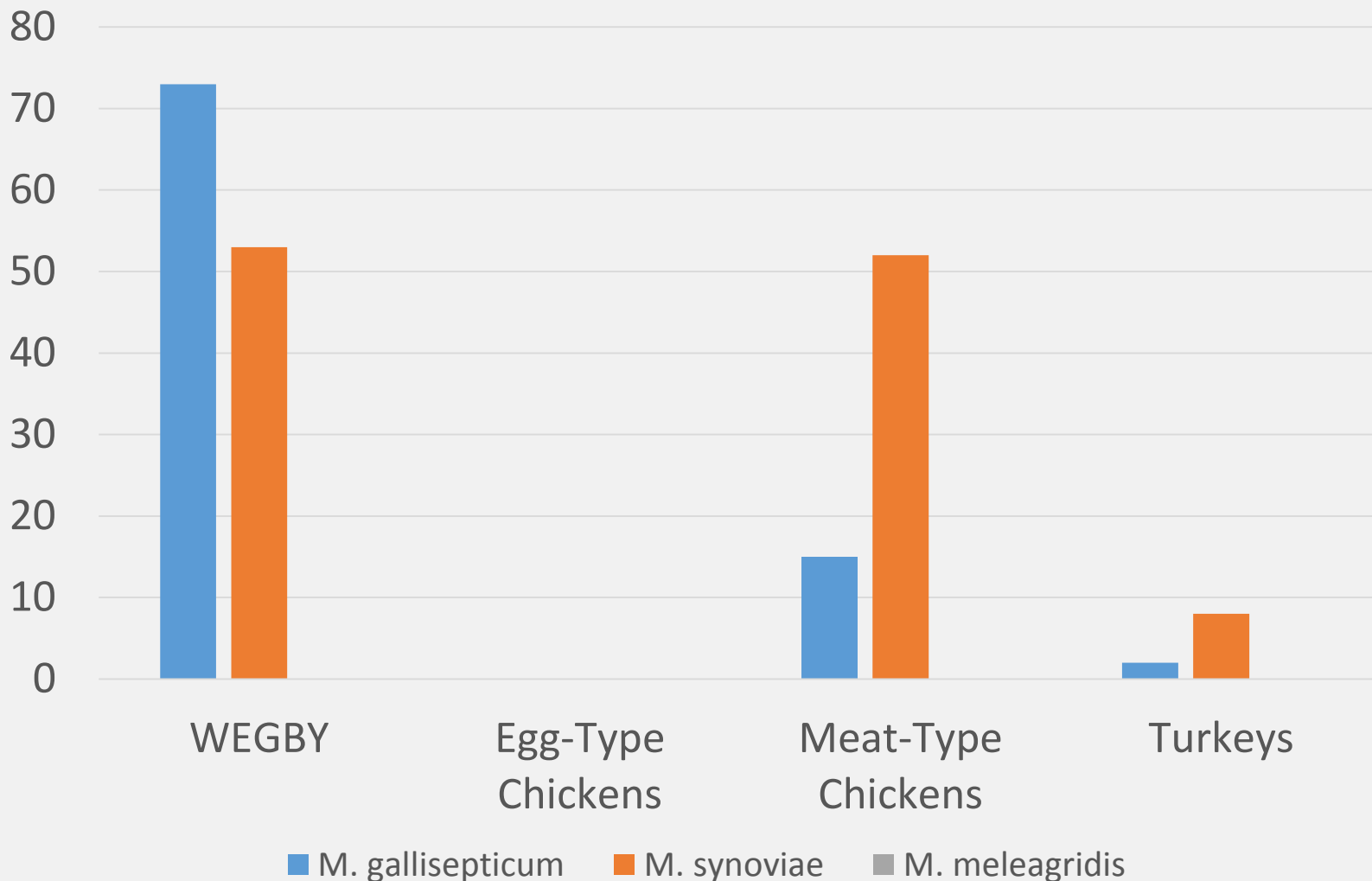


# Salmonella Enteritidis

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

Year	No. Flocks	Phage Type
1989	1	13A
1990	11	13A, 13, 8, 28
1991	12	13A, 13, 8
1992	10	Untypable, 13A, 8, 28, 34
1993	5	Untypable, 8, 2
1994	3	13A, 8
1995	2	13A, 28
1996	5	Untypable, RNDC, 13A, 8, 2
1997	2	8
1998	2	8
1999	1	13
2000	4	13, 8
2001	1	13
2002-2004	0	
2005	1	13
2006	1	34
2007	4	13, 8
2008	3	8
2009	0	
2010	3	8(2), 13
2011-2013	0	
2014	1	NA
2015-2016	0	

MG and MS in Breeding Poultry 2014, 2015, 2016







# 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:

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

# 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)
- 43<sup>rd</sup> Biennial Conference
  - August 30-September 1, 2016 (Bellevue, WA)





# Proficiency Tests

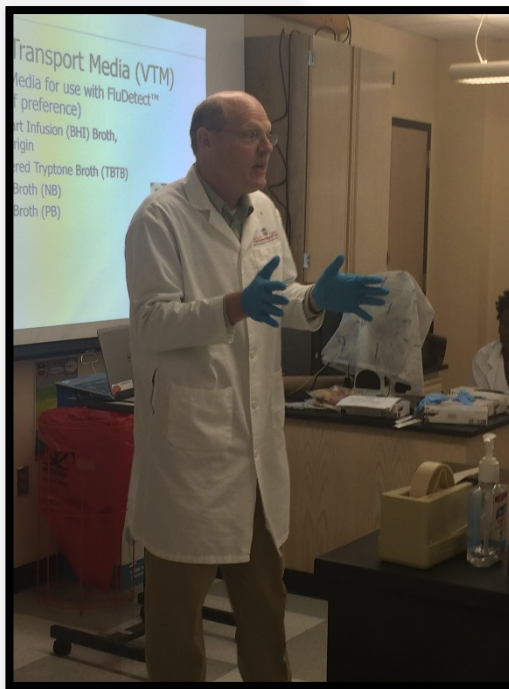
- Group D Salmonella (Now)
- Salmonella Serotyping (Now)
  - Kits Shipped September 13
  - Results Due October 28
- AI AGID (Winter 2016-2017)
- AI ELISA (Winter 2016-2017)
  
- Collaboration with PDRC
  - Mycoplasma Serum Panel (Now)
  - Mycoplasma PCR (Now)
    - Kits Shipped October 17
    - Results 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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