




National Poultry Improvement Plan Biennial Conference Summary WSDA and Avian Health Program Updates

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Outline

- National Poultry Improvement Plan Biennial Conference
- WA National Veterinary Stockpile Exercise and Plan
- Avian Field Exercise Personal Protective Equipment Kifco
- Pacific Flyway Wild Waterfowl Avian Influenza Surveillance
- Poultry Disease Planning Tool Commercial Poultry
- Electronic VS 9-3 Form for WA
- Birds of Washington Calendar
- Washington State Veterinarian and Assistant State Veterinarian



National Poultry Improvement Plan (NPIP) Structure

- Federal, State, Industry cooperative plan
- USDA/State MOU with each Official State Agency
- Provisions 9 CFR Parts 56, 145, 146, and 147
- General Conference Committee (GCC)
- Technical Committee
- 50 Official State Agencies (49 States, 1 US Territory)
- 100 Authorized Laboratories
- Participation Agreement between each OSA and participant

National Poultry Improvement Plan 43rd Biennial Conference

Code of Federal Regulations

- 30 proposals, 16 passed

Program Standards

- 11 proposals, 7 passed
 - ✓ Biosecurity Principles for Commercial Poultry
 - ✓ Primary Breeder AI Clean Compartmentalization

Molecular Examination Procedures

- 17 tests approved for use in NPIP





Photo courtesy of Dr. Elena Behrns




NPIP Code of Federal Regulations

RRT-PCR matrix assay approved for primary breeder company authorized labs


CFR 145.14 Testing (d) For avian influenza

- RRT-PCR can only at primary breeder company authorized labs
- Must be conducted using the National Veterinary Services Laboratories (NVSL) official protocol for RRT-PCR
- RRT-PCR testing can only be performed on their own breeding flocks and only used for routine surveillance
- The Authorized Laboratory must have a quality system that is accredited as ISO/IEC 17025 or equivalent
- Positive results from the RRT-PCR must be further tested by Federal Reference Laboratories using appropriate tests for confirmation



NPIP 43rd Biennial Conference Program Standard Standard E – Biosecurity Principles


1. Biosecurity responsibility
2. Training, annual, site specific
3. Line of Separation (LOS)
4. Perimeter Buffer Area (PBA)
5. Personnel
6. Wild Birds, Rodents and Insects
7. Equipment and Vehicles - cleaning, disinfection, or restriction of sharing





NPIP 43rd Biennial Conference Program Standard Standard E – Biosecurity Principles

- 8. Mortality Disposal
- 9. Manure and Litter Management
- 10. Replacement Poultry
- 11. Water Supplies
- 12. Feed and Replacement Litter
- 13. Reporting of Elevated Morbidity and Mortality
- 14. Auditing - at least once every two years



Flock Size Requirements

NPIP Size Requirements to participate in 9-CFR Part 146 Commercial Poultry H5/H7 Avian Influenza Monitored Program:

- Commercial Table-Egg Layers
 - 75,000 birds on premises
- **Meat-Type Chickens (broilers)**
 - Slaughter 200,000 birds/week
- **Meat-Type Turkeys**
 - Slaughter 2 million birds/year
- Waterfowl and Commercial Upland Game Birds
 - Slaughter 50,000 birds/year
- Raised for Release Operations
 - 25,000 birds raised/year
- Small flock owners that do NOT meet the above size requirements are still eligible for 100% indemnity.

****HPAI Interim Rule****

- Raise fewer than 100,000 broilers annually
- Raise fewer than 30,000 turkeys annually

NOTE: For the HPAI Interim Rule (Conditions for Payment of Highly Pathogenic Avian Influenza Indemnity Claims) published February 9, 2016, owners and contractors will be exempted from the requirement to submit a biosecurity statement if their facilities fall under one of the following categories:

- Commercial Table-Egg Layers—less than 75,000 birds on premises
- Meat-Type Chickens (broilers)— Raise fewer than 100,000 broilers annually
- Meat-Type Turkeys— Raise fewer than 30,000 turkeys annually
- Waterfowl and Commercial Upland Game Birds— Slaughter less than 50,000 birds/year
- Raised for Release Operations—less than 25,000 birds raised/year




NPIP 43rd Biennial Conference Program Standard Subpart F – Primary Breeder AI Clean Compartmentalization

- Primary breeders supply of global breeding stock of poultry
- Compartmentalization defines animal subpopulations free from disease based on AI testing, biosecurity and epidemiological practices
- Compartmentalization will allow fair movement of breeding stock (fair trade) for secure global food production

Subpart F – Primary Breeder

- U.S. AI Clean Compartment
- U.S. H5/H7 AI Clean Compartment


<http://www.poultryimprovement.org/documents/SubpartF-Compartmentalization.pdf>



NPIP 43rd Biennial Conference Program Standard Subpart D—Molecular Examination Procedures

Diagnostic test kits approved for use in the NPIP

1. Rapid Chek Select TMSalmonella Test Kit, Romer Labs, Newark, DE
2. ADIAFOOD Rapid Pathogen Detection System for Salmonella spp., AES Chemunex Canada
3. DuPont Qualicon BAX Polymerase Chain Reaction (PCR)-based assay for Salmonella 1 and 2 DuPont Qualicon, Wilmington, DE
4. Applied Biosystems TaqMan Salmonella Enteritidis Real-Time PCR assay for the detection of Salmonella Enteritidis. Life Technologies Corporation, Foster City, CA
5. IDEXX MG/MS RT-PCR
6. MicroSEQ Salmonella Species Detection Kit, Life Technologies Corporation, Austin, TX



NPIP 43rd Biennial Conference Program Standard Subpart D—Molecular Examination Procedures

Diagnostic test kits approved for use in the NPIP

9. DNABle Salmonella Detection Kit, EnviroLogix, Portland, Maine
10. Bactotype MG/MS Kit, QIAGEN, Germantown, Maryland
11. IDEXX RealPCR MG DNA reagents-IDEXX Laboratories, Westbrook, ME
12. IDEXX RealPCR MS DNA reagents-IDEXX Laboratories, Westbrook, ME
13. IDEXX RealPCR MG-MS Multiplex DNA reagents-IDEXX Laboratories, Westbrook, ME
14. Poultry Check MP MS-MG Test Kit-Biovet, St. Hyacinthe, Quebec, Canada
15. Thermo Fisher Scientific MG/MS Reagents-Thermo Fisher Scientific, Life Sciences Solutions, Austin, TX
16. IDEXX RealPCR Salmonella DNA Mix-IDEXX Laboratories, Westbrook, ME
17. Qiagen mericon Salmonella spp. real-time PCR kit-Qiagen, Germantown, MD



United States Animal Health Association Committee on Transmissible Diseases of Poultry and Other Avian Species

Resolutions Passed

- Approval of RRT-PCR matrix assay for influenza A in NPIP authorized primary breeder company laboratories
- Laboratory Approval for Regulatory Diseases
- Upland Gamebird Secure Poultry Supply Plan

Washington State National Veterinary Stockpile Tabletop Exercise and Plan 2016

NVS Tabletop Exercise, Olympia WA, March 8th, 2016

> **NVS mission:** veterinary countermeasures, animal vaccines, antivirals, or therapeutic products, supplies, equipment, for damaging animal disease outbreaks

> **Tabletop Exercise**

- Requesting NVS Assistance
- Logistics Warehouse/Storage Facility Operations
- Alternative State Warehouse/Storage Facilities
- NVS 3D Response Support Services
- Inventory Management System



Washington State National Veterinary Stockpile Plan



Avian Field Exercise Personal Protective Equipment Kifco Avi-FoamGuard

USDA goal is to commence depopulation within 24 hours of HPAI confirmation

1. HPAI Overview and Update
2. CDC/OSHA PPE requirements to protect poultry workers
3. Healthcare monitoring of poultry workers exposed to HPAI
4. Other disease risks for poultry workers (dust, Campylobacter, Salmonella)
5. PPE donning and doffing
6. Emergency poultry depopulation, Kifco Avi-Foam Guard and PPE for operators

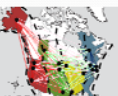


Avian Influenza Surveillance Wild Waterfowl

Pacific Flyway 7/01/2016 to 11/08/2016

	Number	Percentage
Total number of birds sampled	4334	
Influenza A positive	1087	29.8
H5 positive	227	6.2
H7 positive	3	0.1
Eurasian/American HPAI H5N2	ONE	

Data courtesy of Dr. Thomas Gidlewski and Meredith Grady
USDA APHIS WS National Wildlife Research Center



Poultry Disease Planning Tool Commercial Poultry

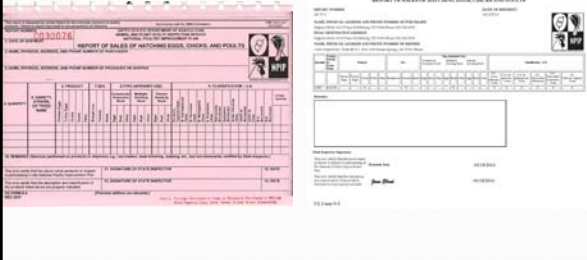
Web-based tool allows producers to create a HPAI plan

1. Self Quarantine and Alert
2. Testing
3. Appraisal
4. Depopulation
5. Disposal
6. Virus Elimination

<https://poultrydiseaseplanning.com/>



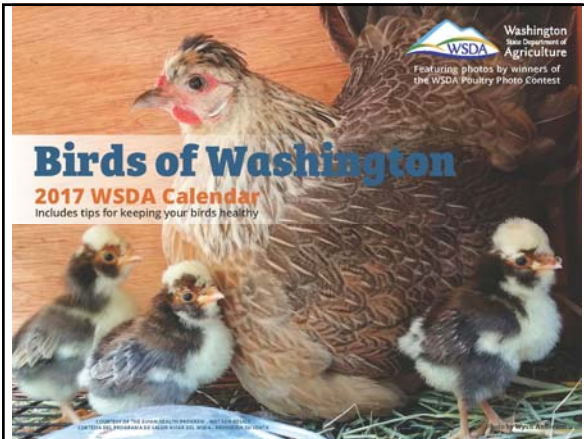
Electronic VS 9-3 Form for WA



Birds of Washington 2017 WSDA Calendar

Includes tips for keeping your birds healthy

Washington State Department of Agriculture
Featuring photos by winners of the WSDA Poultry Photo Contest






Washington State Veterinarian and Assistant State Veterinarian

State Veterinarian - Dr. Brian Joseph DVM, CertAqV



Assistant State Veterinarian – Dr. Scott Haskell DMV, PhD



Summary and Conclusions

- Risk for avian influenza necessitates continued preparedness planning
- NPIP provides a Federal, State, Industry cooperative plan with indemnity
- Exercises on the National Veterinary Stockpile, PPE, Kifco and avian field training provide a mechanism to review emergency preparedness
- Poultry Disease Planning Tool provides a mechanism for commercial poultry producers to develop a web-based HPAI plan