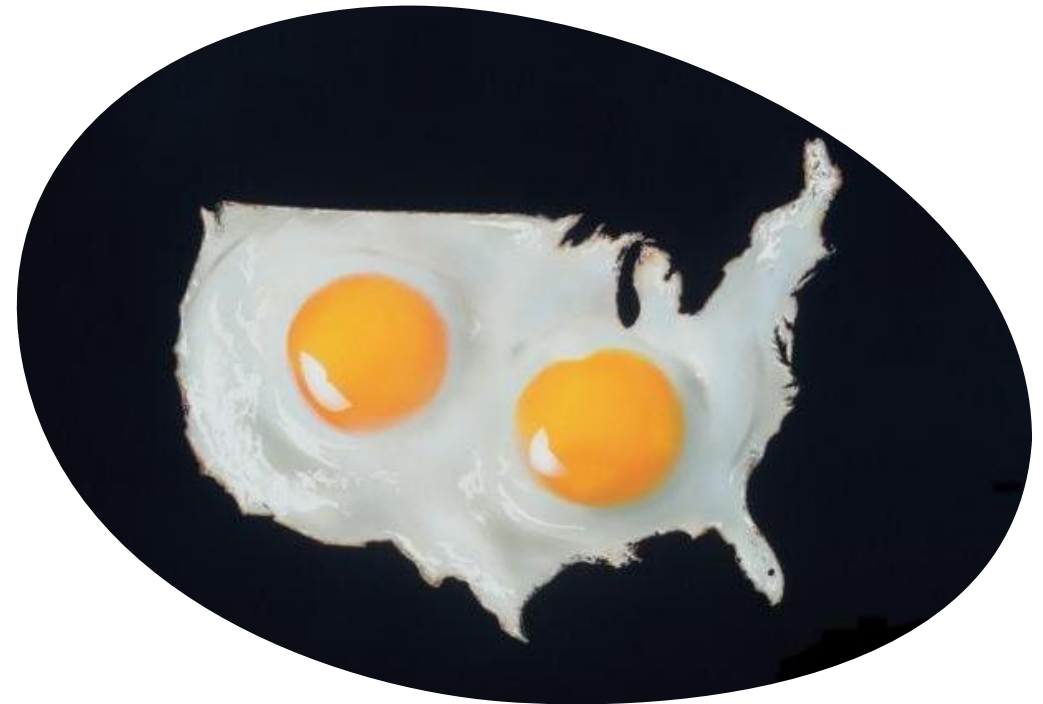




United Egg Producers

Journey to Vaccination



First – recapping the numbers

Outbreak Totals Since February 2022

- 788 commercial confirmations – All Poultry (chicken, turkey, layers)
- 1,710 Total Confirmed Flocks affecting **175 Million Birds in 50 states**
(Turkey, broilers, upland game birds, and egg-laying hens & pullets affected)



Layer Detections:



2022 = 34 Farms - 44.3M



2023 = 18 Farms - 14.4M

UEP Position on Vaccination:

- Prior to 2024, UEP was neutral and did not take an official position in support of vaccinating layers
- And then this continued to happen...



Layer Detections:

2024 = 34 Farms - 40.26M

2025 = 53 Farms – 39.30M

**139 Layer or Pullet Sites with 138 Million birds
the past 4 years**



Commercial Farm Impacts of the 2022-2025 HPAI U.S. OUTBREAK



BROILER CHICKENS

Detections:
91

Birds Lost:
14.03 MILLION



EGG-LAYING HENS

Detections:
139

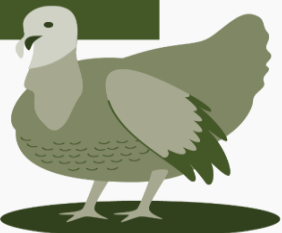
Birds Lost:
138.19 MILLION



TURKEYS

Detections:
467

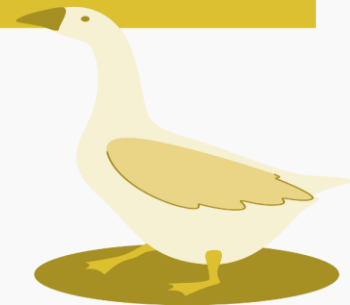
Birds Lost:
18.79 MILLION



OTHER FLOCKS

Detections:
91

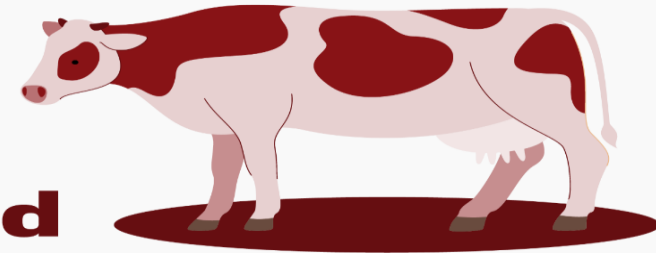
Animals Lost:
2.95 MILLION



DAIRY HERDS

Detections:
1074

Animals Lost:
Not Reported



UEP Position on Vaccination:

- Then late in 2024, the UEP Board voted to:

“Officially support “sustainable HPAI vaccination for layers”



UEP and AEB Joint Vaccine Task Force

PROPOSED U.S. POULTRY AND EGG INDUSTRY VACCINATION PLAN FOR HIGHLY PATHOGENIC AVIAN INFLUENZA (HPAI)

Executive Summary

Submitted by the HPAI Vaccination Working Group
Convened by U.S. Egg Producers as represented by United Egg Producers and American Egg Board
February 27th, 2025

John Clifford, DVM
Craig Rowles, DVM
Travis Schaal, DVM
David Swayne, DVM, PhD

Our efforts and our “plan”

High Pathogenicity Avian Influenza Vaccination Strategy



UEP HPAI Vaccination Working Group:

Craig Rowles (Versova), John Clifford (USAPEEC), Travis Schaal (Forsman Farms) and David E Swayne (Birdflu Veterinarian LLC)

UEP's Vaccination Plan:

- Vaccination is a complementary tool to enhance:
 - 1) Biosecurity
 - 2) Surveillance, and
 - 3) Stamping-out measures
- Continue stamping-out of actively infected non-vaccinated and vaccinated flocks



UEP's Vaccination Plan: Our Recommendations

- Existing USDA licensed vaccines are “fit-for-purpose” and can be used within the current egg-industry vaccination programs
 - Core (“prime”) is 1d hatchery (SQ) or *in ovo* vaccination with rHVT-H5 (two licensed)
 - Boost vaccination with inactivated or non-replicating vaccine in pullets at 7-15 weeks (e.g. rgH5Nx inactivated, RNA particle)



UEP's Vaccination Plan: Our Recommendations

- Geographic approach to vaccination in layers, “*vaccination zones*” – initially Upper Midwest and Mid-Atlantic states/counties/defined areas with minimal broiler production
 - USDA discuss with trading partners of continued exports: 1) poultry outside the vaccination zone, 2) non-vaccinated poultry from the *vaccination zone*, or 3) vaccinated poultry without active infections (surveillance-based)
- Annual reassessment of vaccination program – expanding or reducing *vaccination zones*, updating vaccine seeds, approval of new vaccines, removal of vaccines, terminating vaccination, etc.



UEP's Vaccination Plan: Our Surveillance Proposal

- Use existing NPIP, LBMS and other HPAI surveillance systems utilizing NAHLN, NVSL and other approved/designated laboratories
- Use existing NPIP/NVSL sampling protocols and testing methods (RRT-PCR)
- Such surveillance must be cost-effective, efficient and sustainable for both non-vaccinated and vaccinated poultry
- Goal: Find active infections and sustained transmission
- Primary surveillance should be virological – using pooled samples from daily mortality, supplemented by sick birds if inadequate dead birds are available
- 2 pools of 11 swabs every 14 days (one HPAI incubation period – WOAHA Code)
- Limited serological surveillance – assess the presence of low infection rates for assessments before changes to vaccination plan. Issues: specificity (“False +”) and historical test of past infections but not risk of virus. Follow-up RRT-PCR for virus.





Trump administration's new plan to deal with egg prices and bird flu outbreak



Watch later



Share

TRUMP ADMINISTRATION'S \$1 BILLION PLAN



\$500 MILLION
INVESTMENT IN BIOSECURITY MEASURES



\$400 MILLION
IN FINANCIAL RELIEF FOR
IMPACTED FARMERS



\$100 MILLION
IN RESEARCH AND DEVELOPMENT
OF VACCINES

MORE VIDEOS

ADMINISTRATION'S NEW PLAN TO DEAL WITH EGG PRICES & BIRD FLU OUTBREAK



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0:45 / 1:30

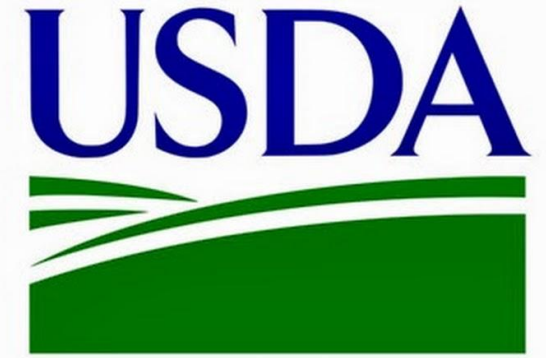


YouTube



USDA's HPAI Poultry "Work Group"

- We've had productive meetings with NCC, NTF, USPoultry and USAPEEC
- Past few months, USDA's HPAI Poultry Response Strategies "Work Group" – UEP participated on the Work Group
- USDA's vaccine plan on USDA Secretary's desk and White House being briefed. Organized discussions with the industries very soon and begin having discussion with all trading partners after that



Next Steps...

UEP will be ready to respond to USDA's Vaccination Plan (likely more comprehensive and costly surveillance)

- We are already gearing up!!!

U.S. turkey has taken our plan and simply added an addendum for USDA to include a turkey vaccine

U.S. dairy has basically copied or duplicated our plan





United Egg Producers

**Look forward to
answering your questions**

