



## HPAI IN OHIO

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**Ohio Department of Agriculture**


PROTECTING OHIOANS, SUPPORTING OHIO'S FOOD AND LIVESTOCK INDUSTRIES

## BACKGROUND

- HOCKING/PERRY/FAIRFIELD COUNTY
- BEEF CATTLE FARM
- 4H/FFA
- MARRIED WITH 1 CHILD




- 2014: BS AGRICULTURE FROM OSU
- 2018: DVM FROM OSU
- 2018-2019: MIXED ANIMAL PRIVATE PRACTICE
- 2019-2021: OHIO DEPARTMENT OF AGRICULTURE DIVISION OF MEAT INSPECTION VMO
- 2021-PRESENT: ASSISTANT STATE VET




## WHAT IS HIGHLY PATHOGENIC AVIAN INFLUENZA (HPAI)?

- VIRUS THAT HAS A WIDE HOST RANGE (ALL BIRDS, SOME MORE SUSCEPTIBLE)
- STRAINS OF LOW PATHOGENICITY AND HIGH PATHOGENICITY
- CONTAGIOUS AND OFTEN FATAL DISEASE OF POULTRY
- ZOONOTIC POTENTIAL POSSIBLE, ACCORDING TO CDC GUIDANCE
- PROPERLY COOKED EGGS AND POULTRY ARE SAFE TO EAT

## HPAI CONT.

- REPORTABLE DISEASE AND REQUIRES A RAPID RESPONSE
- ONLY WAY TO ERADICATE DISEASE IS CONTAINMENT AND DEPOPULATION
- LAST BIG OUTBREAK IN THE US WAS IN 2015
  - AFFECTED 15 STATES



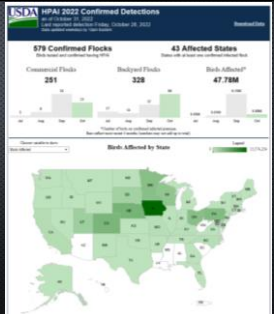
HPAI 2014/15 Confirmed Detections	
211 Commercial Flocks	21 Backyard Flocks
50,400,000 Birds Affected	6/16/15 Last Detection Reported

New List of HPAI Infected Premises 2014-2015

USDA APHIS | HPAI 2014/15 Confirmed Detections

## HPAI CURRENT STATE- 2022

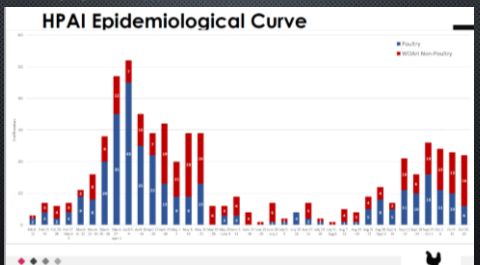
- 251 COMMERCIAL FLOCKS
- 328 BACKYARD FLOCKS
- 47.78 M BIRDS AFFECTED IN 43 STATES
- FIRST DETECTION FEBRUARY 8th
- LAST DETECTION REPORTED ???



USDA APHIS | 2022 Confirmations of Highly Pathogenic Avian Influenza in Commercial and Backyard Flocks As of 10/31/22

## NEVER STOPPED...

### HPAI Epidemiological Curve



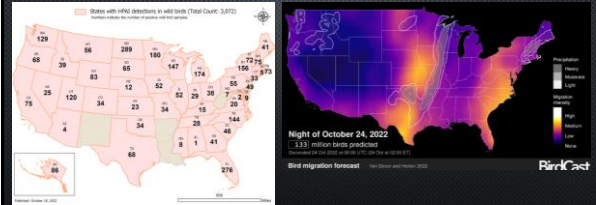
## OHIO DETECTIONS



County & Farm #	Date of Detection	Number of Poultry	Type of Operation	Status	Type	Control Area	Disposition
Franklin 05	10/10/2022	60	Backyard Open Poultry	Depopulated	HPAI H5N1	NA	Investigation
Wayne 03	10/10/2022	5	Backyard Open Poultry	Depopulated	HPAI H5N1	NA	Investigation
Madison 03	10/10/2022	60	Backyard Open Poultry	Depopulated	HPAI H5N1	NA	Investigation
Franklin 05	10/10/2022	2	Backyard Open Poultry	Depopulated	HPAI H5N1	NA	Investigation
Franklin 05	10/10/2022	1,750,000	Commercial Poultry	Depopulated	HPAI H5N1	NA	Investigation
Franklin 05	10/10/2022	7	Backyard Open Poultry	Depopulated	HPAI H5N1	NA	Investigation
Franklin 05	10/10/2022	1,000	Backyard Open Poultry	Depopulated	HPAI H5N1	NA	Investigation
Franklin 05	10/10/2022	5	Backyard Open Poultry	Depopulated	HPAI H5N1	NA	Investigation

HPAI Biosecurity, Reporting, and Resources | Ohio Department of Agriculture

## HPAI CURRENT STATE- WILD BIRDS

OHIO'S RESPONSE-  
BACKYARD  
PREMISES

- SUSPECT CASE- SEND ODA OR USDA STAFF TO SITE TO COLLECT SAMPLES
- SAMPLES RUN AT ADDL
- IF NON-NEGATIVE, RESULTS ARE FORWARDED TO NVSL FOR CONFIRMATION
- ODA OR USDA STAFF VISITS PREMISES
- QUARANTINE AND BIOSECURITY SET UP



## RESPONSE CONT.

- SURVEILLANCE AREA
- DEPOPULATE BIRDS
- DISPOSAL
- CLEANING/DISINFECTING OR FALLOW PERIOD



## INTER AGENCY APPROACH TO HPAI

- FREQUENT MEETINGS AND DISCUSSIONS WITH USDA APHIS WS, USDA APHIS VS, AND OHIO POULTRY ASSOCIATION
- ODNR AND WS ASSISTANCE WITH DEPOPULATION AND BIOSECURITY
- INFORMATION SHARING AND TARGETED SURVEILLANCE WITH OHIO'S POULTRY SECTORS
- OHIO DEPARTMENT OF HEALTH
- OHIO EMERGENCY MANAGEMENT ASSOCIATION



## CONCERNS/IMPACTS OF HPAI

- AFFECTS ALL BIRDS (INCLUDING POULTRY, WILDLIFE, BIRDS AT ZOOS)
- HAS ZOONOMIC POTENTIAL
- BIRDS FLY!!! MIGRATION OF WILD BIRDS
- TRADE IMPACT
- ECONOMY – INCREASE TURKEY, EGG, CHICKEN PRICES



## WHAT IS BIOSECURITY



- MEASURES TAKEN TO KEEP DISEASE AGENTS OUT OF HERDS AND FLOCKS AND
- MEASURES DESIGNED TO LIMIT SPREAD OF DISEASE AGENTS ALREADY PRESENT IN HERDS AND FLOCKS

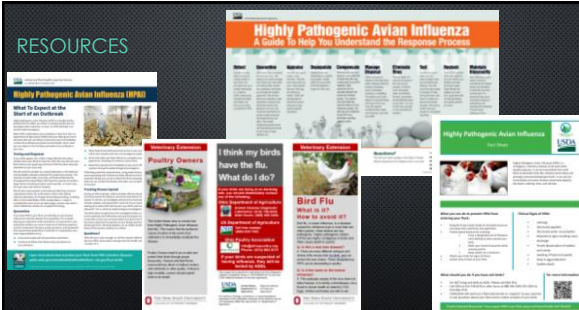
We want to keep our Food Supply safe!!

## BIOSECURITY RECOMMENDATIONS

- BRING OUTDOOR BIRDS INDOORS WHEN POSSIBLE
- WASH YOUR HANDS BEFORE AND AFTER COMING INTO CONTACT WITH POULTRY
- HAVE A PEST CONTROL PROGRAM
- DISINFECT TOOLS AND EQUIPMENT
- QUARANTINE NEW ANIMALS
- PREVENT CONTACT WILD BIRDS
- SEPARATE FOOTWEAR AND CLOTHING



## RESOURCES



HPAI: Biosecurity, Reporting, and Resources | Ohio Department of Agriculture

## WILD BIRD RESOURCES

- HANDOUTS AND INFORMATION ON USDA AND ODA WEBSITES

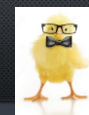


USDA APHIS | Highly Pathogenic Avian Influenza (HPAI)

## HAVE SICK/DYING BIRDS?

- CLINICAL SIGNS: LETHARGY, NEUROLOGIC (UNSTEADY ON FEET, CIRCLING), DECREASED APPETITE, DECREASED EGG PRODUCTION, DISCOLORATION OF WATTLE AND COMB
- REPORT SICK COMMERCIAL/BACKYARD BIRDS TO ODA : 614-728-6220
  - OUR STAFF WILL ASK QUESTIONS AND WALK YOU THROUGH WHAT TO DO
- REPORT SICK/DEAD WILD BIRDS TO ODNR: 1-800-WILDLIFE

## QUESTIONS?



ODA: 614-728-6253