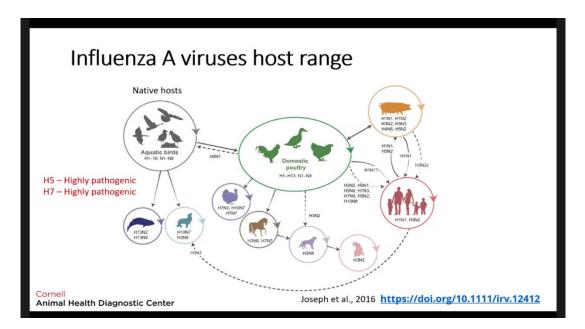
Highly Pathogenic Avian Influenza (HPAI) – Dairy Farm Information

CCE Onondaga April 4, 2024

Summary of information from HPAI Dairy Foods Virtual Office Hours held on April 3, 2024

- HPAI is most likely being transmitted by contact with wild birds and/or their feces
 - At this point in New York State, eight wild birds are confirmed to have the HPAI virus.
 - No cows have been confirmed with HPAI at this point in New York State.
 - CDC Current Situation & Monitoring Information <u>https://www.cdc.gov/flu/avianflu/avian-flu-summary.htm</u>



HPAI has been detected in cows in Texas, Kansas, New Mexico, Michigan and suspected in Ohio.

Signs of illness in dairy cows:

- Decreased food intake
- Tacky feces
- Thick yellow colostrum-like milk.
- Promptly contact your herd veterinarian is you see any of the signs of illness in your cows

Livestock handlers are urged to

- Use deterrents to protect livestock water sources from wild bird use and fecal contamination
- Increase biosecurity practices on your farm See English & Spanish Video Information at <u>https://nationaldairyfarm.com/resource-library/farm-program/? program=biosecurity</u>
 - Regular disinfects will kill the HPAI virus
 - Remove wild bird feeders
 - Cover or protect livestock water from wild bird access
- Domestic cats and dogs can get HPAI

Cornell Cooperative Extension Onondaga County

• Wild mammals with HPAI tend to exhibit neurological issues – stumbling, head-tilting, disorientation. HPAI is also lethal in most wild animals to date.

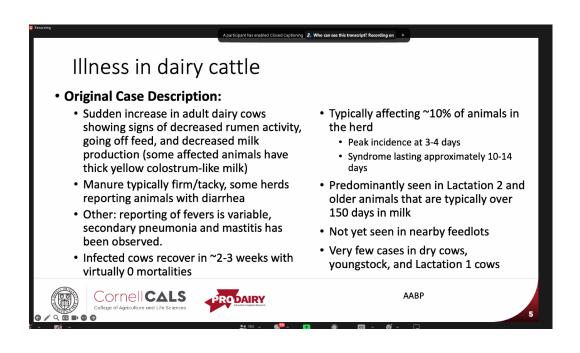
Food Safety – See FDA

https://www.fda.gov/food/milk-guidance-documents-regulatory-information/questions-andanswers-regarding-milk-safety-during-highly-pathogenic-avian-influenza-hpaioutbreaks#rawmilkcheese

Pasteurized milk is safe.

Properly cooked meat is safe

No tests on presence of HPAI have been conducted on raw milk cheese



Testing Cattle for Highly Pathogenic Avian Influenza (HPAI)

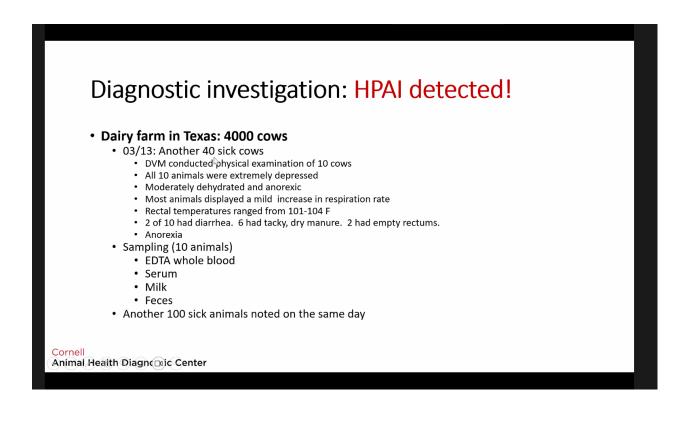
Specific tests and information for veterinarians at

https://www.vet.cornell.edu/animal-health-diagnostic-center/news/testing-cattle-highly-pathogenicavian-influenza-hpai

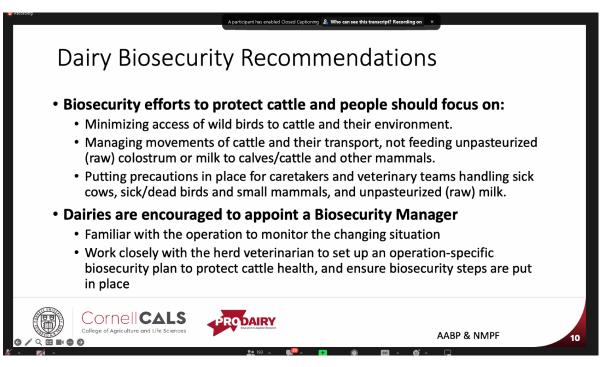
Additional details from the Dairy Office Hours and presentation slides follow:

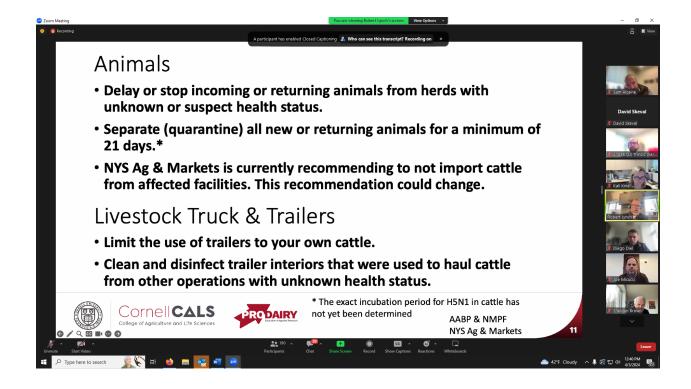


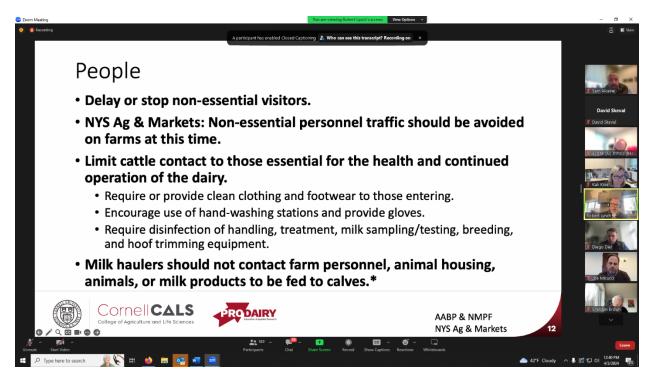
Progression of HPAI in cows so far



Specific recommendations for Dairy Farms include:



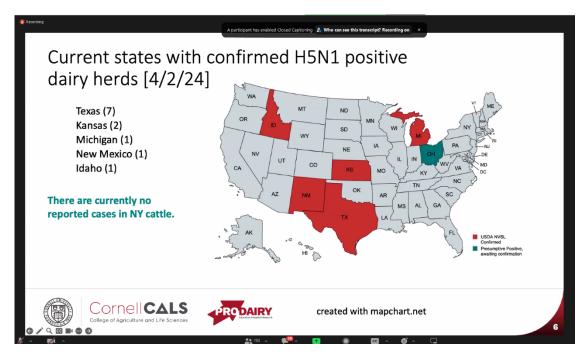




At this point in 2024, only one human being has been confirmed to have HPAI. The individual worked closely with livestock. Their primary symptom was "pink-eye" (conjunctivitis). They were treated for conjunctivitis and are recovered. <u>https://www.foodprocessing.com/food-</u> <u>safety/news/55001589/human-in-texas-comes-down-with-bird-flu-via-cattle</u>

See CDC Guidelines on Human Health Check for suspected exposure to HPAI. <u>https://www.cdc.gov/flu/avianflu/h5/demobilizing-responders.htm</u>

HPAI has been detected in cows in Texas, Kansas, New Mexico, Michigan and suspected in Ohio.



Information summarized from:

Dairy Foods Virtual Office Hours

Invited speakers:

- Robert A. Lynch, DVM
 Dairy Herd Health and Management
 Specialist, PRO-DAIRY
 Department of Animal Science,
 Cornell University
 (ral328@cornell.edu)
- Diego G Diel, PhD
 Associate Professor, AHDC Virology
 College of Veterinary Medicine,
 Department of Population Medicine and
 Diagnostic Sciences, Cornell University

(dgd76@cornell.edu)

Panelists:

- Representatives from the New York State Department of Agriculture and Markets
- Sam Alcaine, PhD (Moderator) Associate Professor, Dept. of Food Science, Cornell University (alcaine@cornell.edu)
- Nicole Martin, PhD
 Assistant Research Professor in Dairy Foods
 Microbiology, Food Science
 Cornell University
 (nhw6@cornell.edu)

 Kalmia Kniel, PhD Professor of Microbial Food Safety Animal and Food Sciences, University of Delaware (kniel@udel.edu)
 Alioša Trmčić, PhD

Aljoša Trmčić, PhD Senior Extension Associate, Dairy Foods Extension, Dept. of Food Science, Cornell University (at543@cornell.edu)

Institute for Food Safety

at Cornell University

IFS

Cornelicals College of Agriculture and Life Sciences

Contact your Dairy Herd Veterinarian with any suspected cases of HPAI.

Pro-Dairy is developing a special podcast about HPAI – listen to it soon at

https://soundcloud.com/user-301921459-118136586/highly-pathogenic-avian-influenza-updates/s-FaosvlwaO5P?si=f5de127b8a4d4577bc2985354937d480&utm_source=clipboard&utm_medium=text&utm_campa ign=social_sharing

CCE Onondaga is here to answer general questions about HPAI and keep information updated at <u>https://cceonondaga.org/agriculture</u>

Contact Janet Oppedisano jto32@cornell.edu or 315-424-9485 x243

or David Skeval das546@cornell.edu

Cornell Cooperative Extension Onondaga County