

# Moving Manure and Mortalities after Highly Pathogenic Avian Influenza

**MARCH 17, 2023**  
 2:30 PM ET, 1:30 PM CT,  
 12:30 PM MT, 11:30 AM PT



**Erin Cortus**  
 University of Minnesota

**Sasidhar Malladi** is a senior operations research scientist with the University of Minnesota. He received his Ph.D. in industrial engineering from Iowa State University in 2008. His research interests are focused on risk analysis and mathematical modelling to **support animal health emergency preparedness** and business continuity planning. He has developed simulation models to **inform product movement and testing protocols in the Secure Egg, Secure Broiler and Secure Turkey Supply Plans** in collaboration with USDA APHIS Center for Epidemiology and Animal Health (CEAH). He also contributed to epidemiologic analyses during the 2015, 2017, and 2022 HPAI outbreaks in the US. His current work involves quantitative risk analysis to support animal health emergency response for HPAI, African Swine Fever and other Foreign Animal Diseases.  
 Email: [sasidhar.malladi@gmail.com](mailto:sasidhar.malladi@gmail.com)



**Sasi Malladi**  
 University of Minnesota

Between January 2022 and February 2023, Highly Pathogenic Avian Influenza (HPAI) has affected 58.4 million birds. This includes 316 commercial flocks, 446 backyard flocks, and wild birds spread across most US states. HPAI is a devastating virus that harms birds but also restricts the movement of other materials on and off commercial poultry farms. Protecting commercial poultry farms requires a multifaceted response by farms, government, and industry partners. When a flock is confirmed positive with HPAI, there are layers of oversight from multiple agencies at national, state and sometimes even regional levels. This webinar will **share research and guidance on minimizing the risk of virus movement** through manure and mortality management. This webinar will also explain the **roles technical advisors can play in response to an outbreak**.

*An application for continuing education credit for Certified Crop Advisors (CCAs) and members of the American Registry of Professional Animal Scientists (ARPAS) will be submitted.*



**Jean Bonhotal**  
 Cornell University

**Jean Bonhotal** has worked at the Cornell Waste Management Institute in solid waste education for over 20 years, first working for Cornell Cooperative Extension in Broome County, then for the Cornell Waste Management Institute. She works on **composting feedstock from food to manure to animal carcasses**. Currently her time includes work on food scrap, manure and carcass & butcher waste composting education and research. She received an M.S. degree in Education and Communication from SUNY Binghamton in 1991, a B.S. in Biology from Utah State University in 1984 and an A.A.S. in Natural Resources from SUNY Morrisville.  
 Email: [jb29@cornell.edu](mailto:jb29@cornell.edu)

**Erin Cortus** is an Associate Professor and Extension Engineer in the Department of Bioproducts and Biosystems Engineering at the University of Minnesota. Her past and ongoing projects include measuring the air quality impacts of different manure management practices in dairy, poultry, swine and beef cattle barns, biosecurity, and sustainability metrics. The broad mission of Dr. Cortus' program is to work with producers and communities to understand and continually improve the quality and productivity of livestock environments.

**Erin will serve as the moderator for this webinar**

Email: [ecortus@umn.edu](mailto:ecortus@umn.edu)

### Additional Information

- Surveillance and Sequestration Strategies to Reduce the Likelihood of Transporting HPAI Virus Contaminated Layer Manure  
<https://meridian.allenpress.com/avian-diseases/article-abstract/65/2/219/462204/Surveillance-and-Sequestration-Strategies-to>
- Avian Influenza Surveillance and Resources  
<https://www.aphis.usda.gov/aphis/ourfocus/animalhealth/animal-disease-information/avian/avian-influenza/ai>
- Defend the Flock Program  
<https://www.aphis.usda.gov/aphis/ourfocus/animalhealth/animal-disease-information/avian/defend-the-flock-program>
- Implementing the Movement of Poultry Industry Products During Disease Outbreaks  
<https://securepoultrysupply.umn.edu/>

## How do I participate?

If it is your first time joining us for the LPELC webinar series, follow the steps at: [lpec.org/how-do-i-participate-in-a-webcast/](https://lpec.org/how-do-i-participate-in-a-webcast/)

If you are a returning viewer, go to [lpec.org/live](https://lpec.org/live) to download presentations and connect live.



**Livestock and Poultry Environmental Learning Community**

The LPELC is a project dedicated to the vision that individuals involved in public policy issues, animal production, and delivery of technical services for confined animals systems should have on-demand access to the nation's best science-based resources. See our website at: [lpec.org](https://lpec.org)

