



JUNE 12
10-3:30 ET

**FREE
EVENT**



DUST & DISEASE

IN EGG PRODUCTION
Virtual Forum

EXPLORE

- ✓ Poultry disease challenges
- ✓ HPAI dust fomites
- ✓ Egg farmer's challenges with dust
- ✓ Indoor dust mitigation research
- ✓ Feedback on industry needs



To ensure your spot,
register by June 10

www.eggindustrycenter.org

TENTATIVE: DUST & DISEASE VIRTUAL FORUM PROGRAM - Thursday, June 12, 2025

Times shown are for the Eastern U.S. time zone. Please be sure to adjust your times accordingly.

- 10:00 Welcome and opening remarks
Lingying Zhao, The Ohio State University & Brett Ramirez, Egg Industry Center, Iowa State University
- 10:20 Disease challenges associated with aerosols in egg production
Silvia Carnaccini, Iowa State University
- 10:40 Airborne transmission of influenza in the poultry industry
Xuan Dung (Dee) Nguyen, University of Missouri
- 11:00 15-MINUTE BREAK**
- 11:15 Spread of HPAI by dust fomites
Erica Spackman, USDA-ARS
- 11:35 HPAI laying hen mortality management
Gary Flory, G.A. Flory Consulting, LLC
- 11:55 Dust and human health: Protecting your employees
Matt Nonnenmann, University of Nebraska-Lincoln Medicine
- 12:15 15-MINUTE BREAK**
- 12:30 A review of dust and pathogen control technologies in poultry production facilities
Lingying Zhao, The Ohio State University; Lilong Chai, University of Georgia; Teng Lim, University of Missouri
- 12:50 Egg farmer panel: Operational challenges and management strategies for dust and disease
- 1:30 Panel discussion
- 2:00 15-MINUTE BREAK**
- 2:15 Spraying acidic electrolyzed water to mitigate dust and bacteria generations in litter of cage-free hens
Lilong Chai, University of Georgia
- 2:30 An electrostatic air filtration system for reducing dust entry at hen house air inlets
Yang Zhao, The University of Tennessee
- 2:45 An electrostatic precipitator and an electrostatic spray scrubber for dust control in layer facilities
Lingying Zhao, The Ohio State University
- 3:00 Mitigation of ammonia and particulate matter in cage-free layer housing with new floor substrate
Ji-Qin Ni, Purdue University
- 3:15 Q&A
- 3:30 ADJOURN

The program is sponsored by an Inter-Disciplinary Engagement in Animal Systems (IDEAS) grant #2023-68014-39720 from the U.S. Department of Agriculture's National Institute of Food and Agriculture.

*The Dust & Disease Virtual Forum Program Planning Committee includes:
Lisa Bielke, Lilong Chai, Paige Kelly, Brett Ramirez, Lesa Vold and Lingying Zhao.*