

**29<sup>th</sup> Annual National Egg Quality School**  
**Minneapolis, MN**  
**May 22-25, 2023**

**Monday, May 22**

- 8:30 a.m. REGISTRATION
- 9:00 a.m. Welcome to Minnesota  
Dr. Nicole Neeser, Dairy & Meat Inspection Director, Minnesota Department of Agriculture
- 9:15 a.m. ORIENTATION AND INTRODUCTION
- 9:30 a.m. LECTURE I  
“Eggs 101” American Egg Board
- 9:45 a.m. LECTURE II  
“Formation of the Egg”  
Dr. Dianna Bourassa, Auburn University
- 10:15 a.m. BREAK
- 10:35 a.m. LECTURE III  
“Hen Housing and Egg Quality”  
Dr. Mike Persia, Virginia Tech
- 11:15 a.m. LECTURE IV  
“Egg Quality and Bird Health”  
Dr. Carol Cardona, University of Minnesota
- 12:00 p.m. DIRECTOR’S LUNCH
- 1:00 p.m. BUZZ SESSION
- 1:10 p.m. LECTURE V  
“Hen Nutrition and Egg Quality”  
Dr. Mike Persia, Virginia Tech
- 1:50 p.m. LECTURE VI  
“Biosecurity and Egg Safety”  
Dr. Ken Koelkebeck, University of Illinois
- 2:30 p.m. LECTURE VII  
“Secure Poultry Supply”  
Dr. Carol Cardona, University of Minnesota

3:05 p.m. LECTURE VIII  
“U.S. Standards for Egg Quality Factors”  
Jeff Hendricks, USDA AMS Livestock, Poultry & Seed Program

3:35 p.m. BREAK

3:50 p.m. LABORATORY I  
“Exterior Egg Quality Determination - Laboratory”

4:40 p.m. BUZZ SESSION, OPEN LAB AND REVIEW OF DAY  
**DINNER ON YOUR OWN**

**Tuesday, May 23**

8:00 a.m. LECTURE IX  
“Reducing Shell Damage”  
Dr. Paul Patterson, Penn State University

8:50 a.m. LECTURE X  
“Cleaning Eggs and Conserving Egg Quality”  
Dr. Kenneth Anderson, North Carolina State University

9:40 a.m. BREAK

10:00 a.m. LECTURE XI  
“Egg Processing Plant Sanitation - SSOP’s and GMP’s”  
Dr. Dianna Bourassa, Auburn University

10:40 a.m. LECTURE XII  
“Promoting the Incredible Egg”  
John Gallagher, Nelson Serrano-Bahri and Kristin Wharton, American Egg Board

11:15 a.m. LECTURE XIII  
“The Nutritious Egg”  
Dr. Jen Houchins, Egg Nutrition Center

12:00 p.m. Make Your Own Omelet Lunch

1:10 p.m. LECTURE XIV  
“U.S. Standards for Egg Quality Interior Factors”  
Jeff Hendricks, USDA AMS Livestock, Poultry & Seed Program

- 1:40 p.m.      LABORATORY II  
                  “Interior Quality Determination – Laboratory”
- 2:40 p.m.      LECTURE XV  
                  “Eggs and Foodborne Disease”  
                  Dr. Harshavardha Thippareddi, University of Georgia
- 3:20 p.m.      BREAK
- 3:40 p.m.      LECTURE XVI  
                  “Introduction to HACCP”  
                  Dr. Deana Jones, USDA ARS
- 4:20 p.m.      LECTURE XVII  
                  “Overview- Current Egg Industry Issues”  
                  Mr. Oscar Garrison, United Egg Producers
- 5:00 p.m.      BUZZ SESSION, OPEN LAB AND REVIEW OF DAY
- 6:30 p.m.      GROUP DINNER - Egg Handler’s Romp

**Wednesday, May 24**

- 8:00 a.m.      LECTURE XVIII  
                  “Pre-Harvest Food Safety Plan: Implementing Pest Monitoring and Control”  
                  Dr. Kenneth Anderson, North Carolina State University
- 8:45 a.m.      LECTURE XIX  
                  “Environmental and Egg Testing Procedures”  
                  Dr. Paul Patterson, Penn State University
- 9:30 a.m.      BREAK
- 9:45 a.m.      LECTURE XX  
                  “Combining all Quality Factors into Standards and Grades”  
                  Jed Warnock, USDA AMS Livestock, Poultry & Seed Program
- 10:15 a.m.     LABORATORY III  
                  “Combining all Quality Factors into Standards and Grades - Laboratory”
- 11:15 a.m.     LECTURE XXI  
                  “Salmonella Control – What can Producers Do?”  
                  Dr. Paul Patterson, Penn State University

- 12:00 p.m. GROUP LUNCH
- 1:00 p.m. LECTURE XXII  
“FDA’s Egg Safety Rule”  
Dr. Gerardo A. Ramirez, FDA CFSAN
- 1:45 p.m. LECTURE XXIII  
“Egg Products Inspection Act and Voluntary Grading Programs”  
Jed Warnock, USDA AMS Livestock, Poultry & Seed Program
- 2:15 p.m. GROUP PICTURE AND BREAK
- 3:15 p.m. BUZZ SESSION
- 3:30 p.m. LECTURE XXIV  
“Federal and State Labeling Requirements”  
Jeff Hendricks, USDA AMS Livestock, Poultry & Seed Program
- 4:00 p.m. LECTURE XXV  
“Dispelling Myths About Eggs”  
Dr. Deana Jones, USDA ARS
- 4:30 p.m. EXAM REVIEW
- 5:30 p.m. SESSION OVER – Dinner on your own
- 7:30 p.m. LABORATORY OPEN  
FACULTY CONSULTATION

**Thursday, May 25**

- 8:00 a.m. WRITTEN AND PRACTICAL EXAM

**“STUDENTS MUST TAKE AND PASS THE EXAM AT THIS TIME TO EARN  
A CERTIFICATE OF PROFICIENCY”**

- NOON SCHOOL ENDS