

AGRICULTURE: #1 IN DELAWARE



January 13 - 16, 2025
DELAWARE STATE FAIRGROUNDS



**Get ready to explore the latest
and most valuable innovations
in agronomy, animal science,
beekeeping, fruits and vegetables,
woodland management, and more!**



Delaware Ag Week is presented by the Delaware Department of Agriculture, the University of Delaware Cooperative Extension, and Delaware State University Cooperative Extension.

Platinum Sponsors



Gold Sponsors



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The 2025 Delaware
Agriculture Week
Planning Committee,
Exhibitors
and Sponsors
would like to thank you
for your
attendance and
support of this year's event!

Visit our website
sites.udel.edu/delawareagweek
for more information and registration
information.

*University of Delaware is an equal opportunity provider.
If you have special needs that need to be
accommodated, please contact the office 302-831-3328
two weeks prior to the event.*

2025 Delaware Agriculture

Monday, January 13, 2025

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Exhibitors in the Dover Building.**

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**Visit our website
sites.udel.edu/delawareagweek
for more information.**

DELAWARE NUTRIENT MANAGEMENT

Earn 1 continuing education credit

**BRING YOUR
COMPLETED 2024
ANNUAL REPORT
FORM TO EARN 1/2
CREDIT**



**BRING YOUR MANURE
SAMPLES FOR TESTING
IN A SEALED AND
LABELED SANDWICH BAG
TO EARN 1/2 CREDIT**

**VISIT US AT THE
NUTRIENT MANAGEMENT
BOOTH IN THE DOVER
BUILDING DURING
DAYTIME SESSIONS**



**DROP OFF BOXES FOR
MANURE SAMPLES AND
ANNUAL REPORTS WILL
BE AVAILABLE DURING
EVENING SESSIONS**



DELAWARE DEPARTMENT OF
AGRICULTURE

DDA Pesticide Management Updates



Purpose: Ensure compliance with EPA regulations and meet all federal requirements.

Registered Service Employees
(Applies pesticides under a commercial pesticide applicator's certification & works for a business with a DDA Pesticide Business License.)

- Cannot apply RUPs (Restricted Use Pesticides)
- Must update training & submit verification every 12 months

Private Pesticide Applicators

Sub-Categories Added
Soil Fumigation
Non-Soil Fumigation
(Testing Required to Obtain)

Exams

- Questions added regarding:
 - Responsibilities of supervisors of non-certified applicators
 - Professionalism
- New edition of Core Manual & Core Exam coming in 2025

Aerial Applicators

- NEW: Aerial Pest Control (11)**
- ALL aerial applicators must pass the Aerial Pest Control Exam by 12/31/2025 to renew for 2026.
 - DE adopted the National Aerial Applicator's Manual
 - Must submit FAA #, make, & model of all aircrafts (including drones)

AEZ (Application Exclusion Zone)

It is the area during application, with additional requirements to protect workers and bystanders.



Scan the QR code to learn more.

Not following label instructions is against the law

ESA (Endangered Species Act) & Bulletin's Live! Two

Labels may require you to obtain Endangered Species Protection Bulletins from Bulletin's Live! Two before using the product. Bulletins outline Pesticide Use Limitation Areas (PULAS) to protect endangered species and their critical habitats. Follow the limitations for all codes when using the pesticide.



Scan the QR code to learn more.

POULTRY SESSION

EXHIBIT HALL

SESSION CHAIR: GEORGIE CARTANZA

Moderator: Georgie Cartanza, Extension Poultry Agent, University of Delaware

12:00 p.m. VISIT WITH EXHIBITORS

The Nutrient Management Program Team will have a booth set up in the Dover Building. If you have questions about or would like to have them look over your record-keeping materials and Annual Report, please bring them with you, and they will be glad to review them with you.

1:00 p.m.—1:05 p.m.

Welcome to the Delaware Ag Week Poultry Day, Brief Update HPAI
Georgie Cartanza, Extension Poultry Agent, University of Delaware

1:05 p.m.—1:50 p.m.

Economics of Biosecurity
Jordan Shockley, Associate Extension Professor, University of Kentucky

1:50 p.m.—2:35 p.m.

Risk Management: Generators and Backup Systems on the Poultry Farm
Dennis Brothers, Associate Extension Professor, Auburn University

2:35 p.m.—2:50 p.m.

New County Tax Assessments: How will you be impacted and what can you do?
Chris Keeler Sussex County Director, Board of Assessment

2:50 p.m.

BREAK/VISIT WITH EXHIBITORS

Moderator: Dr. Jonathan Moyle, Extension Poultry Specialist, University of Maryland

3:10 p.m.—3:25 p.m.

Energize Delaware: Energy Audits and Resources
Drew Slater, Executive Director, Energize Delaware

3:25 p.m.—3:55 p.m.

Radiant Tube Heaters Care and Replacement
Trevor Houston, National Sales Manager, Space-Ray

3:55 p.m.—4:15 p.m.

Legislative Update
Grayson Middleton, Government Affairs Manager, Delmarva Chicken Association

4:15 p.m.—4:30 p.m.

EPA Update
Chris Brosch, Nutrient Management Program Administrator, Delaware Department of Agriculture

4:30 p.m.—4:45 p.m.

Environmental Stewardship Award
Chris Brosch, Nutrient Management Program Administrator, Delaware Department of Agriculture

Session Summary:

DE Pesticide Certification Credits: 0
MD Pesticide Certification Credits: 0
DE Nutrient Management Credits: 3.75
MD Nutrient Management Credits: 2.00
Certified Crop Advisor Credits: NM: 0.50, SSsp: 1.00

Monday, January 13, 2025

POULTRY SESSION

EXHIBIT HALL

SESSION CHAIR: GEORGIE CARTANZA

Moderator: Georgie Cartanza, Extension Poultry Agent, University of Delaware

6:00 p.m.—6:45 p.m.

Poultry Financial Management

Dennis Brothers, Associate Extension Professor, Auburn University

6:45 p.m.—7:15 p.m.

Upgrading and Maintaining Poultry Facilities-Things to Consider, Questions to Ask

Georgie Cartanza, Extension Poultry Agent, University of Delaware

7:15 p.m.—8:00 p.m.

Delmarva Health Update

Dr. Nanette Olmeda-Geniec, Senior Scientist, Veterinarian, Lasher Lab, University of Delaware

8:00 p.m.

ADJOURN

MONDAY PM/EVENING

Session Summary:

DE Pesticide Certification Credits: 0

MD Pesticide Certification Credits: 0

DE Nutrient Management Credits: 1.75

MD Nutrient Management Credits: 1.00

Certified Crop Advisor Credits: CM: 1.00

FARM BUREAU SESSION

DELAWARE BUILDING

SESSION CHAIR: DON CLIFTON

1:00 p.m.—2:30 p.m.

Insurance in Delaware - Know your Rights

Featuring Delaware Insurance Commissioner Trinidad Navarro

Insurance is essential risk management for farm operations of all types and sizes. The Delaware Department of Insurance is the authority on issues about insurance of all types including liability, vehicles, property and casualty, life and health. One of their goals is to protect and inform consumers of their rights and options when it comes to insurance.

In this session, Insurance Commissioner Trinidad Navarro gives an overview of the range of responsibilities and functions performed by the Department of Insurance including, but not limited to the following:

- Assuring the financial health and stability of insurance companies in Delaware.*
- Protecting and advocating for consumers and informing them of their rights and options when it comes to insurance.*
- Investigating allegations of insurance fraud in all lines of insurance, as well as provider fraud (doctors, dentists, chiropractors, clinics, lawyers, etc.) and fraud perpetrated by the insurance companies and agents.*

Delaware Farm Bureau is partnering with the Department of Insurance in presenting this session. Time will be reserved for questions and answers by attendees.

Session Summary:

DE Pesticide Certification Credits: 0
MD Pesticide Certification Credits: 0
DE Nutrient Management Credits: 0
MD Nutrient Management Credits: 0
Certified Crop Advisor Credits: 0

FRUIT SESSION EXHIBIT HALL BOARD ROOM
FRUIT & VEGETABLE GROWERS ASSOCIATION
OF DELAWARE
SESSION CHAIR: EMMALEA ERNEST

MONDAY PM

Moderator: Lyndsie Mikkelsen, Extension Vegetable and Fruit Agent, University of Delaware

1:00 p.m.—1:30 p.m.

Key Arthropod Pests of Small Fruit

Dr. Kelly Hamby, Associate Professor, Entomology, University of Maryland

1:30 p.m.—2:00 p.m.

Strawberry Varieties From the USDA, 2024

Dr. Kim Lewers, Research Geneticist, USDA-ARS Beltsville

2:00 p.m.—2:30 p.m.

Pollinators for Berry Crops

Dr. Natalie Boyle, Assistant Research Professor, Department of Entomology, Penn State University

2:30 p.m.—3:00 p.m.

Weed Management Strategies for Berry Crops

Carrie Mansue, Senior Program Coordinator, Rutgers University

3:00 p.m.—3:30 p.m.

Physiological Disorders of Tree Fruit

Dr. Macarena Farcuh, Assistant Professor and Extension Specialist of Horticulture, University of Maryland

3:30 p.m.—4:00 p.m.

Spot the Rot: Understanding Strawberry Neopestalotiopsis Disease

Jill Pollok, Plant Diagnostician, University of Delaware

4:00 p.m.

ADJOURN

Session Summary:

DE Pesticide Certification Credits: 2.00
MD Pesticide Certification Credits: 4.00
DE Nutrient Management Credits: 0.75
MD Nutrient Management Credits: 1.00
Certified Crop Advisor Credits: PM: 1.50, CM: 1.50

Monday, January 13, 2025

BEEF CATTLE PRODUCERS SESSION

EXHIBIT HALL BOARD ROOM

SESSION CHAIR: JOHN CLENDANIEL

Please visit the website for session information
sites.udel.edu/delawareagweek

Session Summary:

DE Pesticide Certification Credits: 0
MD Pesticide Certification Credits: 0
DE Nutrient Management Credits: 0
MD Nutrient Management Credits: 0
Certified Crop Advisor Credits: 0

GENERAL VEGETABLE SESSION
FRUIT & VEGETABLE GROWERS ASSOCIATION
OF DELAWARE
SESSION CHAIR: EMMALEA ERNEST

EXHIBIT HALL

Moderator: Dr. Emmalea Ernest, Extension Fruit & Vegetable Specialist, University of Delaware

9:00 a.m.—9:05 a.m.

Welcome

Shane Marvel, FVGAD President

9:05 a.m.—9:20 a.m.

Updates on Produce Food Safety Regulations

Justin Grimminger, Produce Safety Program, Delaware Department of Agriculture

9:20 a.m.—9:50 a.m.

Produce Safety Update

Dr. Kali Kniel, Professor of Microbial Food Safety, University of Delaware

9:50 a.m.—10:20 a.m.

Considerations for Mitigating Toxic Metal Contamination in Vegetable Crops

Dr. Angelia Seyffferth, Professor of Biogeochemistry and Plant-Soil Interactions, University of Delaware

10:20 a.m.—10:50 a.m.

Using Laser and Electric Weeders in Vegetable Crops

Dr. Thierry Besancon, Associate Extension Specialist in Weed Science, Rutgers University

10:50 a.m.—11:10 a.m.

Adapting our Ag Practices to Climate Risks - A.I. Climate Smart Solutions

Dr. Gulnihal Ozbay, Professor and Extension Specialist in Natural Resources, Delaware State University

Dr. Rose Ogutu, Horticulture Specialist, Delaware State University

11:10 a.m.—11:40 a.m.

One Straw Farm-a Certified Organic Vegetable Farm in Maryland

Joan Norman, owner of One Straw Farm

11:40 a.m.

LUNCH IN DOVER BUILDING

TUESDAY AM

Session Summary:

DE Pesticide Certification Credits: 1.00

MD Pesticide Certification Credits: 2.00

DE Nutrient Management Credits: 1.25

MD Nutrient Management Credits: 1.00

Certified Crop Advisor Credits: NM: 0.50, PM: 0.50, SSp: 0.50

Tuesday, January 14, 2025

HAY AND PASTURE SESSION

DELAWARE BUILDING

SESSION CHAIR: JARROD MILLER

Moderator: Dr. Jarrod Miller, Extension Agronomist, University of Delaware

9:00 a.m.—9:45 a.m.

Macro and Micronutrient Cycling in Hay and Pasture Production

Dr. Jarrod Miller, Extension Agronomist, University of Delaware

9:45 a.m.—10:00 a.m.

Forage Crop Budgets

Nate Bruce, Farm Business Management Specialist, University of Delaware

10:00 a.m.—10:45 a.m.

Comparisons Between Perennial and Perennial/Annual Forage Systems Under Mixed-Species Grazing

Jeff Semler, Extension Agriculture Agent, Washington County, University of Maryland

10:45 a.m.—11:00 a.m.

Updates on Forage Issues in Delaware

Drew Harris, Agriculture Extension Agent, Kent County, University of Delaware

11:00 a.m.—11:45 a.m.

Trace Minerals in Forages to Meet Livestock Needs

Dr. Brittany Fletcher, Ruminant Livestock Specialist, University of Maryland Extension

11:45 a.m.

LUNCH IN DOVER BUILDING

Session Summary:

DE Pesticide Certification Credits: 1.00

MD Pesticide Certification Credits: 0

DE Nutrient Management Credits: 3.25

MD Nutrient Management Credits: 3.00

Certified Crop Advisor Credits: NM: 1.50. CM: 1.50

10:00 a.m.—11:00 a.m.

The 2024 release of DIMS 2.0 introduces a suite of valuable features designed to enhance usability and provide farmers with more actionable insights. Highlights include a mobile-friendly interface, enabling multiple users to input data and quickly assess irrigation priorities. Enhanced forecasting tools also support future irrigation planning, especially for scenarios where multiple pivots share a single well.

This hands-on session will guide participants step by step through the field setup process and provide training on maximizing the benefits of the DIMS system. Attendee should bring a laptop or tablet with email access and a smartphone. By the end of the session, participants will have their farms and fields prepared for the 2025 season.

Note: Delaware Nutrient Management credits may be available upon approval and successful course completion.

Identical programs being held Tuesday morning and Thursday morning and afternoon. You will only receive credit for participating in the program once.

TUESDAY AM

Delaware Irrigation Management System

Created by:



Center for Environmental Monitoring & Analysis
The official real-time weather and climate data repository for Delaware.

Developed by funds provided by:



DELAWARE DEPARTMENT OF
AGRICULTURE

Session Summary:

DE Pesticide Certification Credits: 0
MD Pesticide Certification Credits: 0
DE Nutrient Management Credits: 1.0
MD Nutrient Management Credits: 0
Certified Crop Advisor Credits: 0

**FRESH MARKET VEGETABLE SESSION
FRUIT & VEGETABLE GROWERS ASSOCIATION
OF DELAWARE
SESSION CHAIR: EMMALEA ERNEST**

EXHIBIT HALL

*Moderator: Nick Adams, New Castle County Agriculture Agent,
University of Delaware*

1:00 p.m.—1:30 p.m.

Management Update for Fresh Market Vegetable Pests

Dr. David Owens, Extension Entomologist, University of Delaware

1:30 p.m.—1:45 p.m.

Sweet Corn Enterprise Budgets Across the Growing Season

*Nate Bruce, Farm Business Management Specialist, University of
Delaware*

1:45 p.m.—2:15 p.m.

What Might Be Lurking in Your Soil?

Dr. Alyssa Betts, Extension Plant Pathologist, University of Delaware

2:15 p.m.—2:45 p.m.

Optimizing Drone Spraying in Watermelons

Dr. Haley Sater, Agriculture Agent, University of Maryland

2:45 p.m.—3:15 p.m.

Cover Crops for Plasticulture Row Middle Management

*Dr. Kurt Vollmer, Extension Weed Management Specialist, University
of Maryland*

3:15 p.m.—3:45 p.m.

Bird Deterrence in Sweet Corn with Laser Scarecrows

*Dr. Rebecca Brown, Professor of Plant Sciences, University of Rhode
Island*

3:45 p.m.—4:00 p.m.

Sweet Corn, Snap Bean and Lettuce Varieties with Stress Tolerance

*Dr. Emmalea Ernest, Extension Fruit & Vegetable Specialist,
University of Delaware*

4:00 p.m.

ADJOURN

Session Summary:

DE Pesticide Certification Credits: 2.00

MD Pesticide Certification Credits: 5.00

DE Nutrient Management Credits: 0

MD Nutrient Management Credits: 1.00

Certified Crop Advisor Credits: PM: 2.00, SW: 0.50, CM: 0.50

Tuesday, January 14, 2025

WOODLAND MANAGEMENT SESSION EXHIBIT HALL BOARD ROOM

SESSION CHAIR: BLAKE MOORE

Moderator: Blake Moore, Natural Resources Agent, University of Delaware Cooperative Extension

1:00 p.m.—1:45 p.m.

Keynote Speaker

TBD

1:45 p.m.—2:15 p.m.

Delaware Forest Stewardship Program

Laura Upham, Stewardship Coordinator, Delaware Forest Service

2:15 p.m.—3:00 p.m.

Forest Health Updates

Bill Seybold, Forest Health Specialist, Delaware Forest Service

3:00 p.m.

BREAK/VISIT EXHIBITORS

3:15 p.m.—4:00 p.m.

Quail Habitat Management

Luke Macaulay, Wildlife Management Specialist, University of Maryland Extension

4:00 p.m.—4:30 p.m.

Invasive Plant Management Funding Sources

Taryn Davidson, Urban and Community Forestry Coordinator, Delaware Forest Service

Blake Moore, Delaware Invasive Species Council

4:30 p.m.—5:00 p.m.

Delaware State Forest Action Plan and Tree Planting Updates

Kyle Hoyd, State Forester, Delaware Forest Service

5:00 p.m.

ADJOURN

TUESDAY PM

Session Summary:

DE Pesticide Certification Credits: 1.00

MD Pesticide Certification Credits: 3.00

DE Nutrient Management Credits: 0.75

MD Nutrient Management Credits: 0

Certified Crop Advisor Credits: PM: 0.50, CM: 1.00, PD: 1.00

GRAIN MARKETING CLUB

EXHIBIT HALL

SESSION CHAIR: NATHANIEL BRUCE

Ed Ussett serves as the Grain Marketing Economist for the University of Minnesota's Center for Farm Financial Management. Ed has developed the highly acclaimed "Winning the Game" series of workshops centered around grain marketing strategy and risk management. Ed speaks regularly to farming groups in the Midwest about the risks and challenges of marketing grain.

6:00 p.m.—6:45 p.m.

Five Common Mistakes in Grain Marketing

Explore a different approach to marketing. Discover that great marketing is not predicting prices but eliminating mistakes in our decisions. Common mistakes include the reluctance towards pre-harvest marketing and holding grain in storage too long. See how eliminating mistakes can create a solid foundation in the development of pre and post-harvest marketing plans.

6:45 p.m.—7:10 p.m.

How to Write a Pre-Harvest Marketing Plan

Prices are down and profitability is a challenge. Should you consider pricing the 2025 crop before harvest? Consider how target prices and decision dates work together to create a proactive marketing plan.

7:10 p.m.—7:25 p.m.

Celebrity producers used to illustrate common mistakes include Barney Binless, Terry Timer, May Sellers and Hank Holder.

7:25 p.m.—8:10 p.m.

Basic Pricing Tools

Cash sales, forward sales, selling futures and buying put options

8:10 p.m.—9:00 p.m.

Pricing exercises

Attendees break into groups to solve pricing problems

9:00 p.m.

ADJOURN

Session Summary:

DE Pesticide Certification Credits: 0
MD Pesticide Certification Credits: 0
DE Nutrient Management Credits: 0
MD Nutrient Management Credits: 0
Certified Crop Advisor Credits: CM: 2.50

Tuesday, January 14, 2025

SMALL RUMINANT SESSION

EXHIBIT HALL BOARD ROOM

SESSION CHAIR: KWAME MATTHEWS

Please visit the website for session information
sites.udel.edu/delawareagweek

TUESDAY EVENING

Session Summary:

DE Pesticide Certification Credits: 0
MD Pesticide Certification Credits: 0
DE Nutrient Management Credits: 0
MD Nutrient Management Credits: 0
Certified Crop Advisor Credits: 0

Wednesday, January 15, 2025

PROCESSING VEGETABLES SESSION
FRUIT & VEGETABLE GROWERS ASSOCIATION
OF DELAWARE
SESSION CHAIR: LYNDSIE MIKKELSEN

EXHIBIT HALL

*Moderator: Drew Harris, Kent County Extension Agriculture Agent,
University of Delaware*

9:00 a.m.—9:05 a.m.

Welcome

Shane Marvel, FVGAD President

9:05 a.m.—9:25 a.m.

White Mold in Processing Vegetables

Dr. Alyssa Betts, Extension Plant Pathologist, University of Delaware

9:25 a.m.—9:55 a.m.

Management Update for Processing Vegetable Pests

Dr. David Owens, Extension Entomologist, University of Delaware

9:55 a.m.—10:15 a.m.

Soil Amendments for Processing Vegetables

*Lyndsie Mikkelsen, Extension Vegetable and Fruit Agent, University
of Delaware*

10:15 a.m.—10:45 a.m.

Effective Weed Control: The Focus is On the Weeds

*Dr. Mark VanGessel, Extension Weed Science Specialist, University of
Delaware*

10:45 a.m.—11:15 a.m.

Pea, Snap Bean and Lima Bean Variety Updates

*Dr. Emmalea Ernest, Extension Fruit & Vegetable Specialist,
University of Delaware*

11:15 a.m.

LUNCH IN DOVER BUILDING

Session Summary:

DE Pesticide Certification Credits: 2.00
MD Pesticide Certification Credits: 3.00
DE Nutrient Management Credits: 0.50
MD Nutrient Management Credits: 1.00
Certified Crop Advisor Credits: PM: 1.50, CM: 0.50

SWINE SESSION

EXHIBIT HALL BOARD ROOM

SESSION CHAIR: BRIAN ARISMAN

*Moderator: Brian Arisman, Animal Health Program Manager,
Delaware Department of Agriculture*

8:30 a.m.—8:45 a.m.

***Welcome and Brief Introduction to the Swine Health Improvement
Program (SHIP)***

*Dr. Karen Lopez, State Veterinarian, Delaware Department of
Agriculture*

*Brian Arisman, Animal Health Program Manager, Delaware
Department of Agriculture*

8:45 a.m.—9:45 a.m.

***Local Disease Trends in Commercial Swine and SHIP Impact in the
Commercial Sector***

*Dr. Anthony Holowka, Veterinarian, 4 Star Veterinary Services,
Lancaster, PA*

9:45 a.m.—10:45 a.m.

***Biosecurity Steps for SHIP Participants, Swine Producers and
Exhibition Swine***

Dr. Neil Gruber, Veterinarian, Blue Hen Veterinary Service

10:45 a.m.—11:30 a.m.

***Virtual Speaker: Building a Biosecurity Plan With SHIP—Lunch
Provided by DDA***

*Dr. Alicia Gorczyca-Southerland, Assistant State Veterinarian,
Oklahoma Department of Agriculture, Food and Forestry Animal
Industry Division*

11:30 a.m.—12:30 p.m.

SHIP, Brand Building and Exhibition Swine
TBD

12:30 p.m.

ADJOURN

WEDNESDAY AM

Session Summary:

DE Pesticide Certification Credits: 0

MD Pesticide Certification Credits: 0

DE Nutrient Management Credits: 2.00

MD Nutrient Management Credits: 0

Certified Crop Advisor Credits: PM: 1.00, PD: 2.00

Wednesday, January 15, 2025

PRECISION AGRICULTURE SESSION

EXHIBIT HALL

SESSION CHAIR: JARROD MILLER

Moderator: Dr. Jarrod Miller, Extension Agronomist, University of Delaware

1:00 p.m.—1:45 p.m.

Equipment Calibration for Application and Data Management

James Adkins, Warrington Irrigation Research Farm Manager and Irrigation Engineer, University of Delaware

1:45 p.m.—2:15 p.m.

Drone Mapping and Sensor Based Nitrogen Management on Delmarva

Dr. Jarrod Miller, Extension Agronomist, University of Delaware

2:15 p.m.—2:45 p.m.

Drone Sprayer Applications and Updates

Dr. Simer Virk, Associate Professor and Extension Specialist (Precision Ag & Machine Systems), Auburn University

2:45 p.m.—3:30 p.m.

Grid Soil Sampling and Field Variability

Dr. Jarrod Miller, Extension Agronomist, University of Delaware

3:30 p.m.

ADJOURN

Session Summary:

DE Pesticide Certification Credits: 2.00

MD Pesticide Certification Credits: 2.00

DE Nutrient Management Credits: 2.75

MD Nutrient Management Credits: 2.50

Certified Crop Advisor Credits: NM: 1.00, PM: 0.50, CM: 0.50

Wednesday, January 15, 2025

DDA FARM TO... PROGRAMS

DELAWARE BUILDING

SESSION CHAIR: STACEY HOFMANN

1:00 p.m.—2:00 p.m.

DDA Farm To...Programs

The 'Farm To' session will provide an update on direct-to-consumer and supply chain program opportunities. The session will also host a discussion with producers on what other resources and strategies may be needed. This session will include an overview of the farm to school, farm to store, and farm to community programs. Will detail procurement opportunities and new market outlets, program impacts on the community, and how to get involved.

WEDNESDAY PM

Session Summary:

DE Pesticide Certification Credits: 0
MD Pesticide Certification Credits: 0
DE Nutrient Management Credits: 0
MD Nutrient Management Credits: 0
Certified Crop Advisor Credits: 0

POLLINATOR SESSION

EXHIBIT HALL BOARD ROOM

SESSION CHAIR: BLAKE MOORE

Moderators: Jeff Brothers, Plant Industries Administrator, Delaware Department of Agriculture and Blake Moore, Natural Resources Agent, University of Delaware Cooperative Extension

1:00 p.m.—1:05 p.m.

Opening Remarks

Jeff Brothers, Plant Industries Administrator, Delaware Department of Agriculture

1:05 p.m.—1:35 p.m.

Climate Change and Pollinators

Hannah Bartling, Environmental Protection Agency, Chemical Safety Section

1:35 p.m.—2:25 p.m.

IPM and Pollinators on Cucurbits

Dr. David Owens, Extension Entomologist, University of Delaware

2:25 p.m.—2:55 p.m.

Biology of Varroa Destructor

Dr. Deb Delaney, Professor of Apiculture, University of Delaware

2:55 p.m.

BREAK/VISIT EXHIBITORS

3:05 p.m.—3:55 p.m.

Amitraz Resistance in Varroa Mites

Dr. Frank Rinkevich, Research Entomologist, USDA ARS

3:55 p.m.—4:45 p.m.

Delmarva Chicken Association Pollinator Planting Projects

Liz Warren, Delmarva Chicken Association

4:45 p.m.—5:00 p.m.

Questions and Answers

5:00 p.m.

ADJOURN

Session Summary:

DE Pesticide Certification Credits: 2.00
MD Pesticide Certification Credits: 6.00
DE Nutrient Management Credits: 0
MD Nutrient Management Credits: 0
Certified Crop Advisor Credits: PM: 2.00, CM: 1.50

SOIL HEALTH SESSION

EXHIBIT HALL

SESSION CHAIR: NICK ADAMS

*Moderator: Nick Adams, New Castle County Agriculture Agent,
University of Delaware*

6:00 p.m.—6:05 p.m.

Welcome and Introduction

*Nick Adams, New Castle County Agriculture Agent, University of
Delaware*

6:05 p.m.—7:10 p.m.

***Research Updates on Planter Technologies and Soil Fertility
Following Cover Crops***

Dr. Dan Quinn, Extension Corn Specialist, Purdue University

7:10 p.m.—7:40 p.m.

***Soil Nutrients and Their Relationship to Crop Residues, Biology
and Mineralogy***

Dr. Jarrod Miller, Extension Agronomist, University of Delaware

7:40 p.m.—8:30 p.m.

***Cover Crop Burndown Herbicide Selection and Considerations for
Pre-emergent Applications in Relation to Total Biomass in the
Field***

*Dr. Mark VanGessel, Extension Weed Science Specialist, University
of Delaware*

8:30 p.m.

ADJOURN

WEDNESDAY PM/EVENING

Session Summary:

DE Pesticide Certification Credits: 1.00

MD Pesticide Certification Credits: 2.00

DE Nutrient Management Credits: 1.00

MD Nutrient Management Credits: 1.00

Certified Crop Advisor Credits: PM: 1.00, SW: 0.50, CM: 1.00

Wednesday, January 15, 2025

ANNIE'S PROJECT RECEPTION

DELAWARE BUILDING

SESSION CHAIR: NATE BRUCE



ANNIE'S PROJECT
EMPOWERING WOMEN IN AGRICULTURE

Annie's Project Reception
Delaware State Fairgrounds -Delaware Building
Wednesday, January 15th, 6-8 pm

Join us for this networking event for registrants in the 2025 class to meet with Annie's Project alumni, program coordinators, and future fellow classmates. We will hear from a local Annie's Project alumni about their experience attending the program, and how it has impacted their farming operation. Hors d'oeuvres sponsored by Horizon Farm Credit. We hope to see you there!

Please RSVP by January 10, 2025:

Lisa Collins

Ph: 302-831-3402

Email: lcollins@udel.edu

UNIVERSITY OF
MARYLAND
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UNIVERSITY OF DELAWARE
COOPERATIVE
EXTENSION



FARM CREDIT

Farm Credit is a proud sponsor of National Annie's Project

Wednesday, January 15, 2025

SMALL FLOCK POULTRY SESSION

EXHIBIT HALL BOARD ROOM

SESSION CHAIR: GEORGIE CARTANZA

5:15 p.m.—6:00 p.m.

Lite Refreshments

6:00 p.m.—6:10 p.m.

HPAI Update and Biosecurity

6:10 p.m.—6:55 p.m.

Small Flock Economics

Dale Johnson, Principal Agent, Farm Management, University of Maryland

6:55 p.m.—7:25 p.m.

Supplements for Small Flock Poultry

Dr. Amit Singh, Associate Professor, Extension Specialist, Delaware State University

7:25 p.m.—8:00 p.m.

Don't Count Your Eggs Before They Hatch-Hatching Eggs at Home

Dr. Jonathan Moyle, Extension Poultry Specialist, University of Maryland

Maegan Perdue, Agriculture Senior Agent Associate, University of Maryland

8:00 p.m.

ADJOURN

WEDNESDAY EVENING

Please RSVP by January 8, 2025 to Karen Adams at adams@udel.edu or 302-831-3328 if you plan to attend, so we can plan accordingly for meals and materials and to accommodate any special needs.

Session Summary:

DE Pesticide Certification Credits: 0

MD Pesticide Certification Credits: 0

DE Nutrient Management Credits: 0.25

MD Nutrient Management Credits: 0

Certified Crop Advisor Credits: 0

Thursday, January 16, 2025

AGRONOMY/CORN & COVER CROPS SESSION	EXHIBIT HALL
SESSION CHAIR: JARROD MILLER	

Moderator: Dr. Jarrod Miller, Extension Agronomist, University of Delaware

9:00 a.m.—9:05 a.m.

Opening Remarks

Dr. Jarrod Miller, Extension Agronomist, University of Delaware

9:05 a.m.—9:30 a.m.

2024 Corn Disease Management and Research Update

Dr. Alyssa Betts, Extension Plant Pathologist, University of Delaware

9:30 a.m.—10:05 a.m.

Herbicide Resistance, It Continues to Evolve

Dr. Mark VanGessel, Extension Weed Science Specialist, University of Delaware

10:05 a.m.—10:35 a.m.

2024 Corn Research in Nutrient Cycling

Dr. Jarrod Miller, Extension Agronomist, University of Delaware

10:35 a.m. BREAK/VISIT WITH EXHIBITORS

10:50 a.m.—11:00 a.m.

Grain Storage Decisions

Nate Bruce, Farm Business Management Specialist, University of Delaware

11:00 a.m.—11:20 a.m.

Strip Cropping Corridors and Biological Soil Amendments in Coastal Delaware

James Adkins, Warrington Irrigation Research Farm Manager and Irrigation Engineer, University of Delaware

11:20 a.m.—11:50 a.m.

Cover Crop Management and Nutrient Cycling

Dr. Jarrod Miller, Extension Agronomist, University of Delaware

11:50 a.m.—12:00 p.m.

Delaware Soybean Board Remarks and Yield Contest Awards

Delaware Soybean Board

12:00 p.m. LUNCH

Session Summary:

DE Pesticide Certification Credits: 2.00

MD Pesticide Certification Credits: 3.00

DE Nutrient Management Credits: 2.00

MD Nutrient Management Credits: 2.00

Certified Crop Advisor Credits: NM: 0.50, PM: 1.00, SW: 1.00

DIMS TRAINING SESSION

EXHIBIT HALL BOARD ROOM

SESSION CHAIR: JAMES ADKINS

9:00 a.m.—10:00 a.m.

The 2024 release of DIMS 2.0 introduces a suite of valuable features designed to enhance usability and provide farmers with more actionable insights. Highlights include a mobile-friendly interface, enabling multiple users to input data and quickly assess irrigation priorities. Enhanced forecasting tools also support future irrigation planning, especially for scenarios where multiple pivots share a single well.

This hands-on session will guide participants step by step through the field setup process and provide training on maximizing the benefits of the DIMS system. Attendee should bring a laptop or tablet with email access and a smartphone. By the end of the session, participants will have their farms and fields prepared for the 2025 season.

Note: Delaware Nutrient Management credits may be available upon approval and successful course completion.

Identical programs being held Tuesday morning and Thursday morning and afternoon. You will only receive credit for participating in the program once.

Delaware Irrigation Management System

Created by:



Center for Environmental Monitoring & Analysis

CEMA *The official real-time weather and climate data repository for Delaware.*

Developed by funds provided by:



THURSDAY AM

Session Summary:

DE Pesticide Certification Credits: 0

MD Pesticide Certification Credits: 0

DE Nutrient Management Credits: 1.00

MD Nutrient Management Credits: 0

Certified Crop Advisor Credits: 0

Thursday, January 16, 2025

AGRONOMY/SOYBEAN & SMALL GRAINS SESSION EXHIBIT HALL

SESSION CHAIR: JARROD MILLER

Moderator: Dr. Jarrod Miller, Extension Agronomist, University of Delaware

1:10 p.m.—1:40 p.m.

Soybean Insect Pests Update

Dr. David Owens, Extension Entomologist, University of Delaware

1:40 p.m.—2:10 p.m.

Endangered Species and Herbicide Labeling, What's the Latest?

Dr. Mark VanGessel, Extension Weed Science Specialist, University of Delaware

2:10 p.m.—2:35 p.m.

Soybean Disease Management Update

Dr. Alyssa Betts, Extension Plant Pathologist, University of Delaware

2:35 p.m.—3:20 p.m.

Agronomic and Nutrient Management of Soybeans and Small Grains.

Dr. Jarrod Miller, Extension Agronomist, University of Delaware

3:20 p.m.

CLOSING REMARKS/ADJOURN

Session Summary:

DE Pesticide Certification Credits: 2.00
MD Pesticide Certification Credits: 3.00
DE Nutrient Management Credits: 1.00
MD Nutrient Management Credits: 1.00
Certified Crop Advisor Credits: NM: 0.50, PM: 1.50

DIMS TRAINING SESSION

EXHIBIT HALL BOARD ROOM

SESSION CHAIR: JAMES ADKINS

1:30 p.m.—2:30 p.m.

The 2024 release of DIMS 2.0 introduces a suite of valuable features designed to enhance usability and provide farmers with more actionable insights. Highlights include a mobile-friendly interface, enabling multiple users to input data and quickly assess irrigation priorities. Enhanced forecasting tools also support future irrigation planning, especially for scenarios where multiple pivots share a single well.

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Created by:



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Developed by funds provided by:



THURSDAY PM

Session Summary:

DE Pesticide Certification Credits: 0
MD Pesticide Certification Credits: 0
DE Nutrient Management Credits: 0
MD Nutrient Management Credits: 1.00
Certified Crop Advisor Credits: 0

Thursday, January 16, 2025

DELAWARE URBAN FARM AND FOOD COALITION

OFFSITE

SESSION CHAIR: CARRIE MURPHY



The Delaware Urban Farm and Food Coalition (DEUFFC) invites you to join us for a Delaware Agriculture Week event. This event will focus on showcasing local projects that utilize urban agriculture to help them achieve a variety of health and wellness goals. Arrive as early as 5:00 pm to network with community members, and to learn more about the work of the DEUFFC and how to get involved. Partnering organizations will host displays and refreshments will be provided. Formal program begins at 6:00 p.m.

Date: Thursday, January 16, 2025

Location: Wilmington, Delaware (specific location will be announced with the online registration)

This program is in person only; in the event of inclement weather, we will move the program to Zoom.

Time: 5:00-8:00 p.m.

There is no cost, but registration is required.

To register: contact Carrie Murphy, UD Cooperative Extension, cjmurphy@udel.edu, 302-831-1426.

The Delaware Urban Farm and Food Coalition (DEUFFC) is a thriving network of individuals and organizations working to strengthen local communities by supporting urban agriculture.

Be sure to check out our website www.deuffc.org and stay connected by liking us on Facebook or signing up for our newsletter.

**Delaware Horticulture Industry
Expo and
Annual Pesticide
Conference**

January 15 and 16, 2025



Modern Maturity Center

1121 Forrest Avenue

Dover, DE 19904

Pre-Registration is

Required

Please contact

Valann Budischak at

888-448-1203 or

dnlainc@gmail.com

www.dnlaonline.org



ANNIE'S PROJECT

EMPOWERING WOMEN IN AGRICULTURE

Annie's Project is an educational program dedicated to strengthening women's roles in modern farm and ranch enterprises. Launched in 2003 by University of Illinois Extension Educator Ruth Hambleton, Annie's Project is a tribute to her mother, Annette Kohlhausen Fleck.

The program honors Annie's entrepreneurship and her goal of raising a family and being an active partner in the family farm operation.

Farming is a complex business, and more farm women are becoming active business partners in their operations. ***The target audience is farm women with a passion for business and involvement.*** Participants will gain a better understanding of *human resource issues, business plans, financial documentation, property titles, cash and crop share leases, marketing plans, retirement and estate planning and types of insurance.*

Annie's Project uses a methodology that builds confidence, develops networks and creates lifelong learners among women farmers, ranchers, and growers.

If you would like the opportunity to participate in a class with plenty of time for questions & sharing and connecting with your presenters and fellow participants, then this course is for you!

This is a relaxed, fun and dynamic way to learn, grow, and meet other women in agriculture. This program is targeted for women with a passion for business and involvement in the farm operation.

This is a six-week course, and is available in Delaware or Maryland, both offered in-person or virtual!

UNIVERSITY OF DELAWARE COOPERATIVE EXTENSION

When & Where?

Tuesdays from 6:30 pm – 8:30 pm | January 21, 2025 - February 25, 2025

Carvel Research & Education Center
16483 County Seat Hwy. | Georgetown, DE 19947
Cost: \$75 per person

To register visit: <http://www.udel.edu/0012668> Or, scan the QR code to take you to the registration page!



For more information contact:

Nate Bruce - nsbruce@udel.edu, Ph: 302-362-7619
Kelly Sipple - kasipple@udel.edu, Ph: 302-831-0694
Tracy Wootten - wootten@udel.edu, Ph: 302-236-0298

REGISTRATION

DEADLINE: January 15, 2025

This class is limited to the first 25 people who register.

UNIVERSITY OF MARYLAND EXTENSION

When & Where?

Wednesdays | February 19, 2025 – March 26, 2025

In person 6:00 pm – 9:00 pm | Virtual 6:30 pm – 8:30 pm

University of Maryland Extension
505 Railroad Avenue, Suite 4 | Centreville, MD 21617
Cost: \$50 per person

To register visit: www.extension.umd.edu/annies-project

REGISTRATION DEADLINE: February 17, 2025

This class is limited to the first 25 people who register.

For more information contact:

Shannon Dill - sdill@umd.edu, Ph: 410-822-1244
Jenny Rhodes - jrhodes@umd.edu, Ph: 410-758-0166

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Cooperative Extension programs and employment are available to all without discrimination. Evidence of noncompliance may be reported through your local Cooperative Extension Office.



*Women across the region coming together to
EDUCATE, ENGAGE, EMPOWER*

FEBRUARY 12, 2025
**will mark our 24th Annual MidAtlantic Women In
Agriculture Regional Conference**

The conference goals are to offer women who are involved with agriculture an opportunity to come together to learn about current issues and topics so they can make informed decisions concerning their agribusinesses and family lives. Sessions will cover topics in marketing, finance, production, and legal.

Location:

Chesapeake Bay Beach Club
Stevensville, Maryland

Registration is open:

www.extension.umd.edu/womeninag

For further information, contact:
Shannon Dill at sdill@umd.edu or (410) 822-1244

~ HOPE TO SEE YOU AT OUR 2025 CONFERENCE ~

Wednesday Webinars

2nd Wednesday of each month

Free seminar hosted online and open to all.
Webinar topics will cover the 5 areas of legal risk.
For more information, visit our website:
www.extension.umd.edu/womeninag



/MidAtlanticWomenInAgriculture

Equal Access Programs

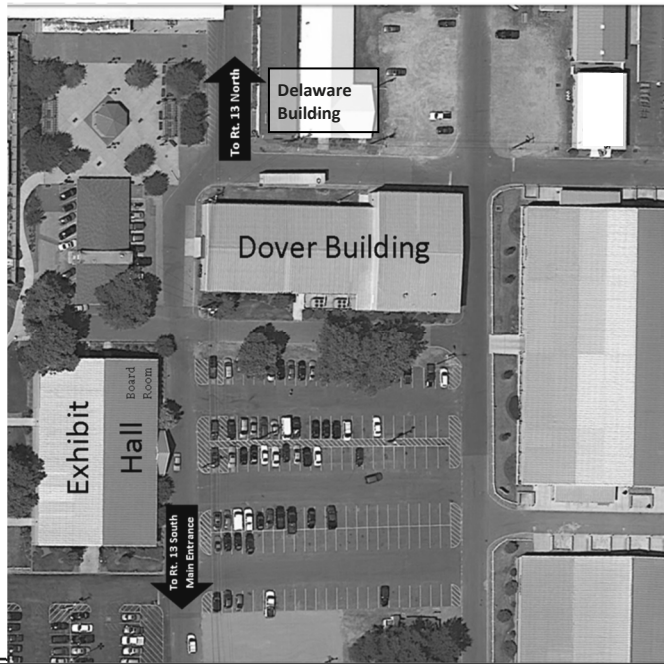
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RUTGERS
New Jersey Agricultural
Experiment Station
• Cooperative Extension





Driving Directions to State Fairgrounds:

From Wilmington/Philadelphia:

Take I-95 South toward Baltimore. Merge onto DE Rt. 1 South via exit number 4A toward Christiana/Mall Road (portions toll). Exit 97 to 13 Salisbury/Norfolk. Bear left onto US Route 13 South; follow South toward Harrington. After passing over DE-14, look for the fairgrounds on the right.

From Baltimore/Washington, D.C.:

Take US-50 East/US-301 North (portions toll). At the US-50/US-301 split, bear right taking the US-50 East exit toward Ocean City. Turn left onto MD-404 East toward Denton/Rehoboth. Continue to follow MD-404 East. Take the MD-313 ramp toward Denton/Greensboro. Turn left onto MD-313 North. Turn right onto MD-317 East. As you cross into Delaware, MD-317 becomes DE-14. Continue to follow DE-14 East toward Harrington. Follow signs to the fairgrounds.

From Salisbury, Md.:

From US-50, take US-13 North. Follow US-13 North through Laurel and Seaford. Fairgrounds are located 4 miles north of Farmington on your left. Turn left onto Tower Road and immediately turn right onto the fairgrounds.

Delaware State Fairgrounds
18500 S. DuPont Highway
Harrington, DE 19952

Delaware Agriculture

A.C. Schultes of DE, Inc.
Accurate Ag Drones, LLC
Agriteer
AgroLab, Inc.
American Farm Publications, Inc.
Amick Farms LLC
Atlantic Tractor
Avery Hall Insurance
Bayhealth Cancer Center
Blessing Greenhouses & Compost Facility Inc.
Channel Seed
Crow Insurance Agency, Inc.
Daisey Insurance Inc.
*Delaware Department of Agriculture-Communications
& Marketing*
*Delaware Department of Agriculture-Pesticide
Compliance*
*Delaware Department of Agriculture-Produce Safety
Rule*
Delaware Farm Bureau
Delaware Soybean Board
Delaware Standardbred Owners Association, Inc.
Delmarva Chicken Association
DNREC Division of Water
DNREC Division of Watershed Stewardship
Eastern Shore Poultry Services
Elite Lubricants LLC
Energize Delaware Farm Program - Contractor EnSave
Farmsite Technologies
First Citizens Community Bank
First Financial Bank
Fleetwood Insurance Group
FMC Corporation
Garey Ag Solutions/Channel
Green Bee Ag
Growers Mineral, Corp.
Growmark FS, LLC
Hoffman Irrigation
Hoober, Inc.
Horizon Farm Credit

Week Exhibitors

J.P. Morgan
King Crop Insurance
Lancaster Farming
LeafFilter Gutter Protection
M&T Bank
Marydel Ag Supply
Maryland Association of Soil Conservation Districts
Mountaire Prime Quality Grain
Nagel Crop Insurance
Northeast SARE (Delaware State University)
Nutrien Ag Solutions
Nutrient Management Program
Paradise Energy Solutions
PepUp
Perdue AgriBusiness LLC
Pioneer
Professional Leasing, Inc.
R&A Insurance, Inc.
Renewal by Andersen
Rupp Seeds
Schaeffer's Oil
SMW Sales
Southeast Ag Equipment Inc.
Southern States Milford Cooperative
Stine Seed
Stokes Seeds Inc.
Sunrise Solar
Sussex Conservation District
Sussex Irrigation LLC
Syngenta Crop Protection LLC
Taylor & Messick, Inc.
The IR-4 Project
The Land Group
Tucker Mechanical Service
USDA Natural Resources Conservation Service (NRCS)
USDA Rural Development
USDA-Farm Service Agency
Walls Irrigation Inc.
Weller Insurance
Westside Family Healthcare