



UNIVERSITY OF DELAWARE  
**COOPERATIVE  
EXTENSION**  
Carvel Research & Education Center  
16483 County Seat Highway  
Georgetown, DE 19947

**AGRICULTURE: #1 IN DELAWARE**



**January 8 - 11, 2024**

**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



# Week Exhibitors

Komet Irrigation  
LeafFilter Gutter Protection  
M&T Bank  
Marydel Ag Supply  
Meherrin Ag & Chem  
Mid Atlantic Soybean Association  
Mid-Atlantic Seeds  
Mike Garner Hay & Livestock Equipment  
Mountaire Farms  
Nagel Crop Insurance  
Natural Char Solutions, LLC  
Northeast Extension Risk Management  
Education Center  
Nutrient Management Program  
Paradise Energy Solutions  
PepUp  
Perdue AgriBusiness LLC  
Pivot Bio  
Professional Leasing, Inc.  
Rupp Seeds  
Schaeffer's Oil  
SMW Sales LLC  
Solair  
Sound Agriculture  
Southern States Milford Cooperative  
Stokes Seeds Inc.  
Sunrise Solar, Inc.  
Sussex Conservation District  
Sussex Irrigation  
Syngenta  
Taylor & Messick, Inc.  
The Land Group  
Tidewater Seed  
Tucker Mechanical Service Inc.  
USDA-Farm Service Agency  
USDA Natural Resources Conservation  
Service (NRCS)  
USDA Rural Development  
University of Delaware Cooperative Extension  
Walls Irrigation  
Weller Insurance

## Delaware Agriculture

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*Delaware Department of Agriculture -*

*Plant Industries Spotted Lanternfly Program*

*Delaware Department of Agriculture -*

*Produce Safety Rule*

*Delaware Farm Bureau*

*Delaware Soybean Board*

*Delaware Standardbred Owners Association, Inc.*

*Delaware State University*

*Delmarva Chicken Association*

*Diamond State Pole Buildings*

*DNREC Division of Watershed Stewardship*

*DNREC Water Allocations*

*Eastern Shore Poultry Services*

*Elite Lubricants LLC*

*Farm Credit*

*Farmers Business Network*

*Farmsite Technologies*

*First Citizens Community Bank*

*FMC*

*Food Bank of Delaware*

*Fulton Bank*

*Garey Ag Solutions*

*Growers Mineral, Corp.*

*Growmark FS, LLC*

*Hoffman Irrigation*

*Hoober Inc.*

*King Crop Insurance, Inc.*

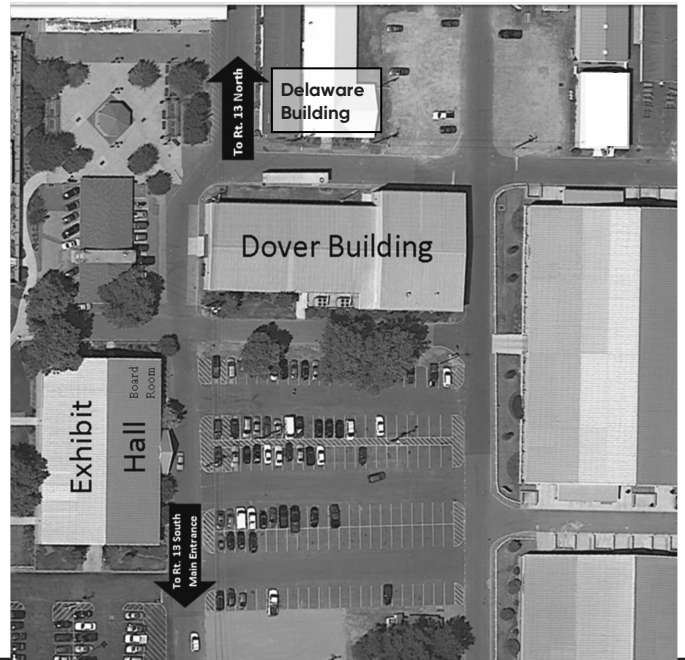
## Platinum Sponsors



# Gold Sponsors



Allen Chorman & Son, Inc.



## 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



# NOTES

## **SILVER**

*Amick Farms*

*Komet Irrigation*

*McConnell Agronomics*

*Meherrin Ag & Chem*

*Pictsweet Farms*

*Sussex Irrigation*

*Syngenta*

*Tidewater Seed*

*Walls Irrigation*

## **BRONZE**

*Delaware State University*

*Delmarva Chicken Association*

*Farmers Business Network*

*FMC*

*Mid-Atlantic Seeds*

*Sussex Conservation District*

*Sylvester Crop Consulting LLC*

# 2022 CENSUS OF AGRICULTURE



**THANK YOU FOR YOUR PARTICIPATION.**

**YOUR RESPONSE TELLS THE STORY**

**OF U.S. AGRICULTURE.**

**DATA COMING FEBRUARY 2024**  
[nass.usda.gov/AgCensus](https://nass.usda.gov/AgCensus)

**YOUR VOICE. YOUR FUTURE. YOUR OPPORTUNITY.**



United States Department of Agriculture  
 National Agricultural Statistics Service



# Women in Agriculture Regional Conference

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

**FEBRUARY 15, 2024**

**will mark our 23rd 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](https://www.extension.umd.edu/womeninag)

For further information, contact:

Shannon Dill at [sdill@umd.edu](mailto:sdill@umd.edu) or (410) 822-1244

**~ HOPE TO SEE YOU AT OUR 2024 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](https://www.extension.umd.edu/womeninag)



/MidAtlanticWomenInAgriculture

**Equal Access Programs**

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 MARYLAND  
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UNIVERSITY OF DELAWARE  
 COOPERATIVE  
 EXTENSION

RUTGERS  
 New Jersey Agricultural  
 Experiment Station  
 Cooperative Extension





## ANNIE'S PROJECT

EMPOWERING WOMEN IN AGRICULTURE

*If you are involved in an agriculture industry, don't miss this opportunity to take a good look at your business and plan for the future through Annie's Project!*

**Join over 800 women from Delaware  
and Maryland since 2008 –  
Be an Annie's Project Graduate!**

**2024 REGISTRATION is Open!**

For class information and to register, visit the website:  
[www.extension.umd.edu/annies-project](http://www.extension.umd.edu/annies-project)

**Annie's Project** is designed to educate, engage, and empower women in agriculture. This course is a discussion-based workshop bringing women together to learn from experts in production, financial management, human resources, marketing, and the legal field.

There is plenty of time for questions, sharing, reacting, and connecting with your presenters and fellow participants. It's a relaxed, fun, and dynamic way to learn, grow, and meet other women in agriculture. The target audience is women in agriculture with a passion for business and involvement in the farm operation.

Topics include:

- |                                |                                    |
|--------------------------------|------------------------------------|
| ❖ Business Planning            | ❖ Farm Insurance                   |
| ❖ Farm Resources               | ❖ Financial Planning               |
| ❖ Marketing                    | ❖ Estate Planning                  |
| ❖ Regulations and Legal Issues | ❖ Computer and Information Systems |

For further information, contact:

**Delaware's Annie's Project:** Tracy Wootten at  
wootten@udel.edu or 302-856-7303

**Maryland's Annie's Project:** Shannon Dill at  
sdill@umd.edu or 410-822-1244

**~ HOPE TO SEE YOU IN OUR 2024 CLASS ~**

*Equal Access Programs*

UNIVERSITY OF  
MARYLAND  
EXTENSION



UNIVERSITY OF DELAWARE  
COOPERATIVE  
EXTENSION

The 2024 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](http://sites.udel.edu/delawareagweek)  
for more information and  
registration information.

*The Delaware Agricultural Week is brought to you by the University of Delaware Cooperative Extension, a service of the UD College of Agriculture and Natural Resources – a land-grant institution. This institution is an equal opportunity provider. If you have special needs that need to be accommodated, please contact the office two weeks prior to the event.*



***Free Health Screenings,  
Information and Services***

***Tuesday & Thursday  
10:00 a.m. – 2:00 p.m.***

**Beebe Population Health  
Dover Building**

**Flu Shots**

**Blood Pressure Screening**

**Glucose Screening**

**Cholesterol Screening**

**Bone Density Screening**

**BMI**

**Lung Cancer Screening**

**For questions, please contact**

**Angie Scott at**

**302-645-3337 or**

**[anscott@beebehealthcare.org](mailto:anscott@beebehealthcare.org)**

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

**January 17 and 18, 2024**



**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](mailto:dnlainc@gmail.com)**

**[www.dnlaonline.org](http://www.dnlaonline.org)**



Thursday, January 11, 2024

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 feature the past, present, and future of the DEUFFC highlighting collaborative urban agriculture projects and members, past and present, in celebration of our 10th annual urban agriculture session during Delaware Agriculture Week. Arrive as early as 5:00 p.m. 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 6:00pm.

Date: Thursday, January 11, 2024

Location: Delaware Center for Horticulture,  
1810 N Dupont St., Wilmington, DE 19806

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 or 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](http://www.deuffc.org) and stay connected by liking us  
on Facebook or signing up for our newsletter.



## DE Pesticide Rules & Regulations Update

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

Notes	
Updates were made final June 2023	
Applicators will be in compliance with the updates by 12/31/2024	
2024 AG WEEK Come to the Delaware Department of Agriculture (DDA) Pesticide Management Booth for more information!	
Private Pesticide Applicators	Sub-Categories Added Soil Fumigation Non-Soil Fumigation (Testing Required to Obtain)
Registered Service Employees	* Cannot apply RUPs (Restricted Use Pesticides) * Must update training & submit verification every 12 months
Exam Content Added to Category Exams	* Responsibilities of supervisors of non-certified applicators * Professionalism
Category Changes for Commercial & Government Applicators	ADDED: Aerial Pest Control (11) Removed: Miscellaneous (7G)

# 2024 Delaware Agriculture

**Monday, January 8, 2024**

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**Wednesday, January 10, 2024**

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**Please take time to visit the Exhibitors in the Dover Building.**

**Thursday, January 11, 2024**

**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.–2:00 p.m.**

**Weed Management in Soybeans Update**

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

**2:00 p.m.–2:20 p.m.**

**Carbon Markets**

*Paul Goeringer, University of Maryland Extension, Ag Law Education Initiative*

**2:20 p.m.–2:40 p.m.**

**Soybean Disease Management Update**

*Dr. Alyssa Koehler, Extension Plant Pathologist, University of Delaware*

**2:40 p.m.–3:15 p.m.**

**Agronomic Management of Soybeans and Small Grains**

*Dr. Jarrod Miller, Extension Agronomist, University of Delaware*

**3:15 p.m.**

**CLOSING REMARKS/ADJOURN**

**Session Summary:**

DE Pesticide Certification Credits: 1.00  
MD Pesticide Certification Credits: 4.00  
DE Nutrient Management Credits: 1.00  
MD Nutrient Management Credits: 1.00  
Certified Crop Advisor Credits: PM: 1.00, CM: 0.50

THURSDAY AM/PM

NITROGEN MODELING	EXHIBIT HALL BOARD ROOM
SESSION CHAIR: AMY SHOBER	

Moderators: Dr. Leah Palm-Forster, Dr. Badri Khanal, Dr. Kelly Davidson, University of Delaware Applied Economics and Statistics

**Times Available:**  
**10:00 a.m. 11:30 a.m. 1:00 p.m. 3:30 p.m.**

Curious about Nitrogen Modeling Tools? Corn farmers in DE, MD, and PA can participate in a university study at Delaware Ag Week. Participants will learn about in-season nitrogen modeling tools and will earn cash (up to \$150). Delaware farmers will also earn a nutrient management credit.

Sessions will be held on Thursday, January 11 at 10:00 a.m., 11:30 a.m., 1:00 p.m., and 3:30 p.m. The study will take 30-35 minutes. Registration is encouraged. To reserve a spot, please call or email Hilary Gibson at 302-735-8137 or hgibson@udel.edu.

The study is also available online. If you'd rather participate at home, please contact Hilary to request a participant code. Farmers participating from home will receive an electronic gift card within one week.

<b>Session Summary:</b>
DE Pesticide Certification Credits: 0
MD Pesticide Certification Credits: 0
DE Nutrient Management Credits: 1.00
MD Nutrient Management Credits: 1.00
Certified Crop Advisor Credits: 0

# Week Calendar of Events

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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 2023 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

Thursday, January 11, 2024

AGRONOMY/CORN & COVER CROPS SESSION

EXHIBIT HALL

SESSION CHAIR: JARROD MILLER

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

8:50 a.m.–9:00 a.m.

**Opening Remarks**

Dr. Jarrod Miller, Extension Agronomist, University of Delaware

9:00 a.m.–9:30 a.m.

**NRCS Updates on Soil Health**

Jayme Arthurs, State Resource Conservationist, Natural Resources Conservation Service

9:30 a.m.–9:50 a.m.

**Research in 2023 Corn Weed Management**

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

9:50 a.m.–10:10 a.m.

**2023 Corn Disease Management and Research Update**

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

10:10 a.m.

**BREAK/VISIT WITH EXHIBITORS**

10:25 a.m.–10:45 a.m.

**Research in Corn and Soybean Corridors and Biological Amendments in Delaware**

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

10:45 a.m.–11:30 a.m.

**Projects in Agronomic and Nutrient Management in Corn and Cover Crops**

Dr. Jarrod Miller, Extension Agronomist, University of Delaware

11:30 a.m.–11:50 a.m.

**Delaware Soybean Board Remarks and Yield Contest Awards**

Cory Atkins, Chairman, Delaware Soybean Board

11:50 p.m.

**LUNCH**

**Session Summary:**

DE Pesticide Certification Credits: 1.00

MD Pesticide Certification Credits: 4.00

DE Nutrient Management Credits: 1.75

MD Nutrient Management Credits: 1.75

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

THURSDAY AM



Thursday, January 11, 2024

DELMARVA LAND & LITTER COLLABORATIVE  
SESSION  
SESSION CHAIR: HOLLY PORTER, JEN NELSON

EXHIBIT HALL  
BOARD ROOM

7:30 a.m. Breakfast

8:00 a.m.–9:00 a.m.

**Listening Session: Taking a Whole System Approach to Use New Funding Opportunities**

How can conservation partners best support the agricultural community to take advantage of historic funding to reduce greenhouse gas emissions and improve water quality? In this listening session for Delmarva Farmers, the Delmarva Land and Litter Collaborative will present examples of water quality improvement initiatives from across the country, and get feedback on if and how these novel approaches might be applied successfully in our region. Our goal is to use this feedback to develop funding proposals based on the expressed needs and concerns of the agricultural community, and to guide the efforts of conservation partners towards effective solutions. Free breakfast provided for participants.

9:00 a.m. ADJOURN

**Please RSVP by January 3, 2024 to Karen Adams at [adams@udel.edu](mailto: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  
MD Nutrient Management Credits: 0  
Certified Crop Advisor Credits: SW: 1.00

Monday, January 8, 2024

POULTRY SESSION

EXHIBIT HALL

SESSION CHAIRS: GEORGIE CARTANZA

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

12:00 p.m. VISIT WITH EXHIBITORS

1:00 p.m.–1:20 p.m.

**Welcome to the Program and Avian Influenza Update**

Georgie Cartanza, Extension Poultry Agent, University of Delaware

1:20 p.m.–2:10 p.m.

**Brooding**

Dr. Brian Fairchild, Professor of Poultry Science, University of Georgia

2:10 p.m.–2:40 p.m.

**Methods to Improve Paw Quality**

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

2:40 p.m. BREAK/VISIT WITH EXHIBITORS

3:00 p.m.–3:30 p.m.

**Current Topics Facing Poultry Growers**

Holly Porter, Executive Director, Delmarva Chicken Association

3:30 p.m.–3:50 p.m.

**EPA Visit Update and Record Keeping**

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

3:50 p.m.–4:20 p.m.

**Cost Share Program Updates**

4:20 p.m.–4:30 p.m.

**Delaware Department of Agriculture Environmental Stewardship Award**

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

4:30 p.m. DINNER/VISIT WITH EXHIBITORS

**Session Summary:**

DE Pesticide Certification Credits: 0  
MD Pesticide Certification Credits: 0  
DE Nutrient Management Credits: 3.00  
MD Nutrient Management Credits: 3.00  
Certified Crop Advisor Credits: 0

Monday, January 8, 2024

WOODLAND MANAGEMENT SESSION EXHIBIT HALL BOARD ROOM

SESSION CHAIRS: BLAKE MOORE

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

1:00 p.m.—5:00 p.m.

- **Update on the Delaware Forest Service Fire Program**
- **Urban and Community Forestry Program**
- **Forest Health Updates: Spongy Moth**
- **Forest Stewardship: Landowner Programs**
- **Delaware State Forest Management**
- **Delmarva Woodland Stewards**
- **Wrap-up**

**Session Summary:**

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

Wednesday, January 10, 2024

SOIL HEALTH & COVER CROPS 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.—6:40 p.m.

**Research Update on Cover Crop Results and Other Soil-  
Based Research-Healing Through Soil Therapy Session**

Dr. Jarrod Miller, Extension Agronomist, University of  
Delaware

6:40 p.m.—7:40 p.m.

**Purposeful Cover Cropping-Planning and Implementation  
of Cover Crops According to Site-Specific Factors, Needs  
and Crop Rotation; Planning Process and Considerations  
for Cover Crops Along with Tools and Case Studies of  
Farmers With Innovative Cover Crops**

Sara Hirsh, Somerset County Agriculture Agent, University  
of Maryland

7:40 p.m.—8:00 p.m.

**Slugs Research Updates With Conservation IPM  
Strategies and Cover Crop Focus**

Dr. David Owens, Extension Entomologist, University of  
Delaware

8:00 p.m.—8:30 p.m.

**Cover Crop and Weed Control Session-Timing and  
Efficacy Strategies of Various Cover Crop IPM**

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

8:30 p.m.

**ADJOURN**

**Session Summary:**

DE Pesticide Certification Credits: 1.00  
MD Pesticide Certification Credits: 4.00  
DE Nutrient Management Credits: 2.00  
MD Nutrient Management Credits: 2.00  
Certified Crop Advisor Credits: NM: 1.00, PM: 1.00, SW: 0.50

Wednesday, January 10, 2024

SMALL FLOCK POULTRY

EXHIBIT HALL BOARD ROOM

SESSION CHAIR: GEORGIE CARTANZA

### Cheep Talk 2.0

5:30 p.m.–6:00 p.m.

**Registration/Dinner**

6:00 p.m.–6:30 p.m.

**Flock Registration, NPIP, Health Resources for Small Flocks**

Dr. Nathalia Torres-Cosme, Deputy State Veterinarian,  
Delaware Department of Agriculture

6:30 p.m.–7:00 p.m.

**Mortality Management**

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

7:00 p.m.–7:30 p.m.

**Fecal Samples**

Maegan Perdue, Agriculture Agent Associate, University of  
Maryland

7:30 p.m.–8:00 p.m.

**Local Health Update Small Flocks**

Dr. Nanette Olmeda-Geniec, D.V.M., Senior Scientist and  
Veterinarian, University of Delaware Lasher Lab

8:00 p.m.

**ADJOURN**

**Please RSVP by January 3, 2024 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: 2.00  
MD Nutrient Management Credits: 2.00  
Certified Crop Advisor Credits: 0

Monday, January 8, 2024

FRUIT SESSION

DELAWARE BUILDING

FRUIT & VEGETABLE GROWERS ASSOCIATION  
OF DELAWARE

SESSION CHAIR: EMMALEA ERNEST

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

1:00 p.m.–1:30 p.m.

**Key Insect Pests to Monitor in Fruit**

Dr. David Owens, Extension Entomologist, University of  
Delaware

1:30 p.m.–2:00 p.m.

**Anthracnose in Strawberries**

Dr. Mengjun Hu, Assistant Professor, Department of Plant  
Science & Landscape Architecture, University of Maryland

2:00 p.m.–2:30 p.m.

**Indoor Strawberry Production in a Retrofitted Poultry  
House**

Dr. Gordon Johnson, retired Extension Fruit & Vegetable  
Specialist, University of Delaware

2:30 p.m.–2:50 p.m.

**Identification and Management of Two Recently  
Identified Strawberry Pathogens: Neopestalotiopsis and  
Phytophthora**

Jill Pollok, Plant Diagnostician, University of Delaware

2:50 p.m.–3:20 p.m.

**First Impressions From the Carvel Fruit Demo Plot With a  
Focus on Bramble Varieties**

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

3:20 p.m.

**ADJOURN**

#### Session Summary:

DE Pesticide Certification Credits: 2.00  
MD Pesticide Certification Credits: 5.00  
DE Nutrient Management Credits: 1.00  
MD Nutrient Management Credits: 1.00  
Certified Crop Advisor Credits: PM: 1.50, CM: 1.00

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.

**The Importance of Bird Distribution**

Dr. Brian Fairchild, Professor of Poultry Science, University of Georgia

6:45 p.m. – 7:30 p.m.

**Improving Broiler Performance Through Litter and Ammonia Management**

Dr. Hong Li, Associate Professor of Animal Science, University of Delaware

7:30 p.m. BREAK/VISIT WITH EXHIBITORS

7:45 p.m. – 8:15 p.m.

**Delmarva Health Update**

Dr. Nanette Olmeda-Geniec, D.V.M., Senior Scientist and Veterinarian, University of Delaware Lasher Lab

8:15 p.m. ADJOURN

**Session Summary:**

DE Pesticide Certification Credits: 0  
MD Pesticide Certification Credits: 0  
DE Nutrient Management Credits: 2.00  
MD Nutrient Management Credits: 2.00  
Certified Crop Advisor Credits: NM: 0.50

POLLINATOR SESSION DELAWARE BUILDING

SESSION CHAIRS: EMILY WINE

Moderator: Emily Wine, State Apiarist, Delaware Department of Agriculture

6:00 p.m. – 6:05 p.m.

**Welcome and Introduction**

Emily Wine, State Apiarist, Delaware Department of Agriculture

6:05 p.m. – 7:00 p.m.

**Effect of an Integrated Pest Management Approach on a Pollinator-Dependent Cropping System**

Dr. Jacob Pecenka, Rodale Institute

7:00 p.m. – 7:25 p.m.

**Backyard Conservation Through the Delaware Community Conservation Assistance Program (DeCAP)**

Joseph Schell, Department of Natural Resources and Environmental Control

7:25 p.m. – 7:50 p.m.

**Partners in Pollinators**

Sierra Patterson, Quail Forever

7:50 p.m. – 8:15 p.m.

**Surveying for Invasive Wasps**

Emily Wine, State Apiarist, Delaware Department of Agriculture

8:15 p.m. – 8:40 p.m.

**Managing Varroa Mite Populations in Honey Bee Colonies Using Cultural Control Methods and Soft Acaricides**

Ziyad Abdul Qadir, University of Delaware

8:40 p.m. ADJOURN

**Session Summary:**

DE Pesticide Certification Credits: 1.00  
MD Pesticide Certification Credits: 4.00  
DE Nutrient Management Credits: 0  
MD Nutrient Management Credits: 0  
Certified Crop Advisor Credits: PM: 1.50



Wednesday, January 10, 2024

DDA FARM TO... PROGRAMS

DELAWARE BUILDING

SESSION CHAIR: STACEY HOFMANN

2:00 p.m.–3:00 p.m.

**DDA Farm To...Programs**

The 'Farm To' session will provide an overview of three new programs that connect Delaware Grown products to a range of market outlets throughout the state. 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.

**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

Monday, January 8, 2024

BEEF CATTLE PRODUCERS SESSION

EXHIBIT HALL BOARD ROOM

SESSION CHAIRS: SUSAN GAREY, JOHN CLENDANIEL

Moderator- Dr. Kwame Matthews, Ph.D, Delaware State University Small Ruminant Specialist

6:00 p.m.–6:45 p.m.

**Beef Quality Assurance Certification Training – Part 1**

Susan Garey, Extension Agent Animal Science and Delaware BQA State Coordinator, University of Delaware

6:45 p.m.

**DINNER** Sponsored by Delaware Beef Advisory Board

7:15 p.m.–8:45 p.m.

**Beef Quality Assurance Certification Training- Part 2**

Susan Garey, Extension Agent Animal Science and Delaware BQA State Coordinator, University of Delaware

8:45 p.m.

**Questions and Wrap Up**

The cattle industry is constantly changing and evolving, with new research, practices and methods being discovered regularly. The Beef Quality Assurance (BQA) program has always maintained scientifically backed best management practices that are up-to-date with the highest standards. All modules and resources are frequently updated to ensure beef producers are gaining the highest value from the program. BQA certifications are only valid for three years.

Producers becoming BQA certified demonstrate an industry-wide commitment to best management practices, increasing the program's credibility in consumers' eyes. Research shows that there is a significant premium for calves and feeder cattle sold through video auction markets when BQA was mentioned in the lot description<sup>2</sup>. Ultimately, getting BQA certified is the right thing to do. Add value to your operation and help all beef consumers take pride in their beef purchases. Don't miss out on all the new information and resources BQA has to offer!

**Please RSVP by January 3, 2024 to Karen Adams at [adams@udel.edu](mailto: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  
MD Nutrient Management Credits: 0  
Certified Crop Advisor Credits: 0



RISK MANAGEMENT SESSION EXHIBIT HALL BOARD ROOM  
SESSION CHAIRS: NATE BRUCE, LAURIE WOLINSKI

Moderator: Nate Bruce, Farm Business Management Specialist, University of Delaware

1:00 p.m.–4:00 p.m.  
**Farm Business Structures and Tax Forms: Pros and Cons of Each**  
Tracy Garofalo, Enrolled Agent, Top Notch Accounting Inc.

This discussion will cover the various business structure entities most commonly chosen by farmers and small rural businesses and explain how taxes work with each, highlighting the various benefits and pitfalls of each option.

**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: PD: 3.00

HAY AND PASTURE SESSION DELAWARE BUILDING  
SESSION CHAIR: JARROD MILLER

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

9:00 a.m.–9:20 a.m.  
**NRCS Program Updates for Hay and Pasture**  
DE-USDA-NRCS Personnel

9:20 a.m.–9:50 a.m.  
**How CEC Contributes to Nutrient Holding**  
Dr. Jarrod Miller, Extension Agronomist, University of Delaware

9:50 a.m.–10:05 a.m.  
**Forage Crop Budgets**  
Nate Bruce, Farm Business Management Specialist, University of Delaware

10:05 a.m.–10:20 a.m.  
**Pest Management Updates for Forages**  
Dr. David Owens, Extension Entomologist, University of Delaware

10:20 a.m. BREAK/VISIT WITH EXHIBITORS

10:30 a.m.–11:00 a.m.  
**Fertility in Orchardgrass**  
Andy Kness and Erika Taylor, University of Maryland Extension

11:00 a.m.–11:45 a.m.  
**Grazing Cover Crops**  
Charlie Sasscer, University of Maryland Extension

11:45 a.m. LUNCH IN DOVER BUILDING

**Session Summary:**  
DE Pesticide Certification Credits: 0  
MD Pesticide Certification Credits: 4.00  
DE Nutrient Management Credits: 2.50  
MD Nutrient Management Credits: 2.50  
Certified Crop Advisor Credits: NM: 1.00, CM: 0.50

FRESH MARKET VEGETABLE SESSION

EXHIBIT HALL

FRUIT & VEGETABLE GROWERS ASSOCIATION OF DELAWARE

SESSION CHAIR: EMMALEA ERNEST

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

1:00 p.m.–1:30 p.m.  
**What Happened to the Insect Pests in 2023?**  
Dr. David Owens, Extension Entomologist, University of Delaware

1:30 p.m.–1:50 p.m.  
**Marketing Expense Calculator**  
Nate Bruce, Farm Business Management Specialist, University of Delaware

1:50 p.m.–2:20 p.m.  
**Managing Bacterial Disease in Vegetables**  
Dr. Alyssa Koehler, Extension Plant Pathologist, University of Delaware

2:20 p.m.–2:30 p.m.  
**Presentation of FVGAD Farm Family Award**

2:30 p.m.–3:00 p.m.  
**Update on Weed Science Research and a Refresher on Reading Labels**  
Dr. Mark VanGessel, Extension Weed Science Specialist, University of Delaware

3:00 p.m.–3:30 p.m.  
**Dealing with High Salts in High Tunnels**  
Dr. Elsa Sanchez, Professor of Horticultural Systems Management, Penn State

3:30 p.m.–4:00 p.m.  
**Heat Stress Management in Lettuce and Bell Peppers; Variety Trial for Snow and Snap Peas; Specialty Pumpkins that are Edible and Ornamental**  
Dr. Emmalea Ernest, Extension Fruit & Vegetable Specialist, University of Delaware

4:00 p.m.      **ADJOURN**

**Session Summary:**  
DE Pesticide Certification Credits: 1.00  
MD Pesticide Certification Credits: 5.00  
DE Nutrient Management Credits: 0.50  
MD Nutrient Management Credits: 0.50  
Certified Crop Advisor Credits: PM: 1.50, CM: 1.00

PROCESSING VEGETABLES SESSION

EXHIBIT HALL

FRUIT & VEGETABLE GROWERS ASSOCIATION OF DELAWARE

SESSION CHAIR: EMMALEA ERNEST

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.–9:35 a.m.  
**Pythium Management to Maintain Stands and Vigor in Sweet Corn and Snap Beans**  
Dr. Alyssa Koehler, Extension Plant Pathologist, University of Delaware

9:35 a.m.–10:05 a.m.  
**Seedcorn Maggot and Corn Earworm Updates and Outlooks**  
Dr. David Owens, Extension Entomologist, University of Delaware

10:05 a.m.–10:20 a.m.  
**Presentation of the FVGAD Career Distinguished Service Award**

10:20 a.m.–11:00 a.m.  
**No-Till Sweet Corn**  
Dr. Elizabeth Maynard, Clinical Engagement Professor of Horticulture, Purdue University

11:00 a.m.–11:30 a.m.  
**Snap Bean Variety Trials, Lima Bean Breeding and Research Updates**  
Dr. Emmalea Ernest, Extension Fruit & Vegetable Specialist, University of Delaware

11:30 a.m.      **LUNCH IN DOVER BUILDING**

**Session Summary:**  
DE Pesticide Certification Credits: 1.00  
MD Pesticide Certification Credits: 3.00  
DE Nutrient Management Credits: 0.50  
MD Nutrient Management Credits: 0.50  
Certified Crop Advisor Credits: PM: 1.00, CM: 1.00



DDA-SPECIALTY CROP BLOCK  
GRANT WORKSHOP  
SESSION CHAIR: STACEY HOFMANN

Moderator: Stacey Hofmann, Chief of Community Relations, Delaware Department of Agriculture

6:00 p.m.–7:30 p.m.

Join the Delaware Department of Agriculture for an informational session about the Specialty Crop Block Grant Program (SCBGP). The SCBGP offers grants to enhance the competitiveness of specialty crops by funding projects that address the following specialty crop issues: food safety; plant pests and disease; research; crop-specific projects addressing common issues; and marketing and promotion.

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: PD: 1.50

LEADelaware ALUMNI SESSION  
SESSION CHAIR: JENNIFER VOLK

1:00 p.m.–5:00 p.m.

LEADelaware Alumni from Classes I – VI are invited to gather to meet the newest members of Class VII and learn what is planned for their cohort, hear about recent alumni travels to Wyoming during the International Leadership Alumni Conference and discuss opportunities for additional alumni engagement going forward. At the conclusion of the meeting, we encourage everyone to network over refreshments.

Please register by January 3, 2024 by contacting Karen Adams at [adams@udel.edu](mailto:adams@udel.edu) or 302-831-3328 to ensure adequate food and beverages are provided.

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

SMALL RUMINANT SESSION	EXHIBIT HALL BOARD ROOM
SESSION CHAIRS: SUSAN GAREY	

Moderator: Susan Garey, Extension Agent Animal Science, University of Delaware

6:00 p.m.–6:30 p.m.

**Small Ruminant Research Program Updates**

Dr. Kwame Matthews, Ph.D., Small Ruminant Specialist, Delaware State University  
Graduate Students, Delaware State University

6:30 p.m. **DINNER**

7:00 p.m.–7:30 p.m.

**Show Me the Signs-Symptoms to Look for When Your Animal is Infested With Internal Parasites**

Susan Schoenian, Sheep and Goat Specialist Emeritus, University of Maryland

7:30 p.m.–8:00 p.m.

**Proper Deworming Methods for Sheep, Goats and Camelids**

Susan Schoenian, Sheep and Goat Specialist Emeritus, University of Maryland

8:00 p.m.–8:30 p.m.

**Utilizing Artificial Insemination in Your Breeding Program**

Panel Discussion

8:30 p.m. **QUESTIONS and WRAP UP**

Susan Schoenian is a retired Sheep & Goat Specialist for University of Maryland Extension. She joined the University of Maryland faculty in 1988 as a county extension agent. Susan received a B.S. degree in Animal Science from Virginia Tech and a M.S. degree in Animal Science from Montana State University. She had a 100 percent extension appointment. She conducted extension education programs for youth and adults in all aspects of small ruminants, including integrated parasite management (IPM). From 2006-2016, Susan conducted the Western Maryland Pasture-Based Meat Goat Performance Test and did studies comparing carcass characteristics of pen-fed and pasture-reared goats. In 2018, she transitioned to sheep research. Her international experiences include Belgium, Brazil, China, Egypt, Hungary, Kazakhstan, Moldova, Poland, Russia, South Africa, and various Caribbean nations. Susan is the author of several web and social media pages pertaining to small ruminants including the Maryland Small Ruminant Page ([www.sheepandgoat.com](http://www.sheepandgoat.com)) and Sheep 101 and maintains the web site for the American Consortium for Small Ruminant Parasite Control. She raises Katahdin sheep and rabbits on her small farm in Western Maryland.

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<b>Session Summary:</b>
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

FARM EQUIPMENT ROAD SAFETY SESSION	EXHIBIT HALL
SESSION CHAIR: DON CLIFTON	

6:00 p.m.–8:00 p.m.

**Improving Road Safety for Farm Equipment – It's Up to All of Us**

- The worst ACTUALLY CAN HAPPEN.
- Your responsibility and liability under the law
- The traffic is crazy out there!
- Enhanced hazard lighting for your equipment
- Effectively escorting your equipment
- Working proactively with law enforcement
- Achieving peace of mind and safe travels

**Presented by Delaware Farm Bureau, Delaware Office of Highway Safety and Delaware Association of Chiefs of Police.**

<b>Session Summary:</b>
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