Delaware Agriculture Week

January 14-17

Delaware State Fairgrounds, Harrington, Delaware

University of Delaware • Delaware Department of Agriculture • Delaware State University
Delaware Agriculture

Platinum

Delaware Soybean

Mountain Agri-Bulk

Southern States Milford Co-op., Inc.

Paul L. Cooper

FEED - FARM SUPPLIES -
FERTILIZER - LP GAS -
COMMERCIAL AG PEST

P.O. Box 261, 7308 Williamsville Road
Milford, Delaware 19963
E-Mail: paul.collins@sscoop.com
Week Sponsors

Innum

ware BOARD

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McKee, Inc.

.. Collins

ES - SEED - PETROLEUM
LS - GRAIN MARKETING
ESTICIDE APPLICATION

2711 Delie Rd. Phone: (302) 422-8066
1x.com Cell: (302) 632-7523
Week Sponsors

SILVER
Delaware Farm Bureau
Kenny Brothers Produce, LLC
McConnell Agronomics
O.A. Newton
The Pictsweet Company
Walls Irrigation, Inc.

BRONZE
AgRisk Management
Delaware State University
Small Farms Program
FMC
Marydel Ag Supply LLC
Stine Seed
Sussex Conservation District
Syngenta
The 2019 Delaware Agriculture Week Planning Committee, Exhibitors and Sponsors would like to thank you for your attendance and support of this year’s event!

Photography from College of Agriculture and Natural Resources programs, events and classes may be used for promotional purposes.

If you have special needs that need to be accommodated, please contact the office two weeks prior to the event.

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Please pre-register for the following events:

**Annie’s Project**  
Contact: Tracy Wootten  
Phone: 302-856-7303  
Email: wootten@udel.edu

**Beef Cattle Producers Session**  
Contact: Susan Garey  
Phone: 302-730-4000  
Email: truehart@udel.edu

**48th Annual Delaware Agricultural Industry Dinner**  
Contact: Stacey Hofmann  
Phone: 302-698-4542  
Email: stacey.hofmann@state.de.us

**Delaware Horticulture Industry Expo and Annual Pesticide Conference**  
Contact: Valann Budischak  
Phone: 888-448-1203  
Email: dnlainc@comcast.net

**Delaware Urban Farm and Food Coalition Session**  
Contact: Carrie Murphy  
Phone: 302-831-2506  
Email: cjmurphy@udel.edu

**FVGAD Awards Luncheon and Business Meeting**  
Contact: Emmalea Ernest  
Phone: 302-856-7303  
Email: emmalea@udel.edu

**On Farm Research & ROI Session**  
Contact: Keiller Kyle  
Phone: 315-730-7454  
Email: keiller.kyle@tnc.org

**Small Ruminant Session**  
Contact: Susan Garey  
Phone: 302-730-4000  
Email: truehart@udel.edu

**Soil Health Workshop**  
Contact: Sussex Conservation District  
Phone: 302-856-3990 ext. 3  
Email: bobbi.heck@de.nacdnet.net  
www.sussexconservation.org

**Women in Agriculture Conference**  
Contact: Shannon Dill  
Phone: 410-822-1244  
Email: sdill@umd.edu

For more information on all of the Ag Week programs, visit our website at [http://sites.udel.edu/delawareagweek/](http://sites.udel.edu/delawareagweek/)
# 2019 Delaware Agriculture

## Monday, January 14, 2019

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**Evening Sessions:**

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**Evening Sessions:**

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<tr>
<td>Soil Health Workshop</td>
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**Please use #DEAgWeek on social media.**

**Please take time to visit the Exhibitors in the Dover Building.**
**Week Calendar of Events**

*Thursday, January 17, 2019*

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<td>Agronomy/Soybean Session</td>
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<tr>
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**Upcoming Meetings and Events**

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**Directions and Map**

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**Exhibitors and Sponsors**

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| Sponsors                                                    | 52   |

Please use #DEAgWeek on social media.

Please take time to visit the Exhibitors in the Dover Building.
Free Health Screenings, Information and Services
Monday, January 14, 2019
11:00 a.m. – 2:00 p.m.

Beebe Population Health
Dover Building
Blood Pressure Screening
Glucose Screening
Cholesterol Screening
Skin Cancer Screening
Smoke Cessation Information
Prostate Screening Information
Flu Shots

For questions, please contact Catherine at 302-645-3337.
Can't make it during the day? Drop off boxes for manure samples and Annual Reports will be available during evening sessions.
Monday, January 14, 2019

POULTRY SESSION

Moderators: Georgie Cartanza, University of Delaware and Dr. Jon Moyle, University of Maryland Extension

1:00 p.m.—1:05 p.m.
Welcome and Announcements

1:05 p.m.—2:05 p.m.
Genetic Engineering for Sustainable Agricultural Production: Separating Myths from Reality
Dr. Troy L. Ott, Professor of Reproductive Physiology, Department of Animal Science, Center for Reproductive Biology and Health, and Associate Director, Huck Institutes of the Life Sciences, Pennsylvania State University

2:05 p.m.—3:05 p.m.
Feed, Drinker and Moisture Management During Broiler Brooding: A Recent Research
Dr. Brian Fairchild, Professor/Extension Poultry Scientist, University of Georgia

3:05 p.m. BREAK/VISIT WITH EXHIBITORS

3:30 p.m.—4:00 p.m.
Why Am I Listening to Another Water Talk?
Mary Katherine Foy, Director of Technical Services, Proxy-Clean Products

4:00 p.m.—4:15 p.m.
Strengthening Health and Farm Vitality
Maria Pippidis, Family and Consumer Sciences Extension Educator, University of Delaware
Laurie Wolinski, Director, Northeast Extension Risk Management Education Center, University of Delaware

Continued on next page
4:15 p.m.—4:45 p.m.  
**Chesapeake Pollution Strategy for Agriculture**  
*Chris Brosch, Nutrient Management Administrator, Delaware Department of Agriculture*  
*Jennifer Volk, Environmental Quality Specialist, University of Delaware*

4:45 p.m.—4:55 p.m.  
**Nutrient Management Environmental Stewardship Award**  
*Chris Brosch, Nutrient Management Administrator, Delaware Department of Agriculture*  
*William Vanderwende, Chairman, Delaware Nutrient Management Commission*

4:55 p.m.  
**DINNER/VISIT WITH EXHIBITORS**

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*Sponsored by USDA Poultry Respiratory Disease (PRD) Coordinated Agricultural Project (CAP)*

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**Session Summary:**

- DE Pesticide Certification Credits: 0
- MD Pesticide Certification Credits: 0
- DE Nutrient Management Credits: 2.50
- MD Nutrient Management Credits: 3.0
- Certified Crop Advisor Credits: SW:.50
Monday, January 14, 2019

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<th>WOODLAND MANAGEMENT</th>
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<td>SESSION CHAIRS: JENNIFER VOLK</td>
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Moderator: Jennifer Volk, Extension Environmental Quality Specialist, University of Delaware

Healthy Forest, Healthy Farm, Healthy Family

1:00 p.m.—1:10 p.m.
Opening Remarks
Kenny Bounds, Deputy Secretary, Delaware Department of Agriculture

1:10 p.m.—2:00 p.m.
Chainsaw 101
Sam Topper, Senior Forester, Wood Utilization and Marketing, Delaware Department of Agriculture

2:00 p.m.—2:45 p.m.
What’s Lurking in Your Woodlot: What You Need to Know About Tick-Borne Diseases
Marilyn Williams, Executive Director, Lyme Disease Association of Delmarva

2:45 p.m. BREAK/OUTDOOR CHAINSAW DEMONSTRATION

2:45 p.m.—3:30 p.m.
All About Firewood
Bill Seybold, Forest Health Specialist, Delaware Department of Agriculture

3:30 p.m.—4:00 p.m.
Strengthening Health and Farm Vitality
Laurie Wolinski, Director, Northeast Extension Risk Management Education Center, University of Delaware

4:00 p.m. BREAK/_VISIT WITH EXHIBITORS

Continued on next page
Moderator: Tracy Wootten, Extension Horticulture Agent, University of Delaware

4:15 p.m.—5:00 p.m.
Panel Discussion on Current and Future Forestry Issues and Needs
Mike Valenti, State Forester, Delaware Department of Agriculture
Sam Seo, Community Forester, Delaware Center for Horticulture
Rachel Egolf, Forestry Consultant
James Ashby, II, Cypress Tree Care, LLC, Director of Operations and Vice Chair of Delaware Urban and Community Forestry Council
Lynn Manges, Agriculture Program Specialist, USDA Farm Service Agency

5:00 p.m.  ADJOURN/DINNER/VISIT WITH EXHIBITORS

Session Summary:
DE Pesticide Certification Credits: 0
MD Pesticide Certification Credits: 4.0
DE Nutrient Management Credits: 0
MD Nutrient Management Credits: 0
Certified Crop Advisor Credits: 0
Monday, January 14, 2019

**POULTRY SESSION** | **EXHIBIT HALL**
---|---
**SESSION CHAIRS:** SYDNEY RIGGI, GEORGIE CARTANZA, JON MOYLE

*Moderators: Georgie Cartanza, University of Delaware and Dr. Jon Moyle, University of Maryland Extension*

6:00 p.m.—6:35 p.m.
**Getting Back to Basics: Managing Litter Techniques for Today’s Poultry**
Blake Gibson, Senior Manager, Jones-Hamilton Co.

6:35 p.m.—7:40 p.m.
**Optimizing Weight Gain and Performance with Today’s Modern Broiler**
Scott Black, Cobb-Vantress

7:40 p.m.—8:00 p.m.
**Plantings for Poultry Growers: Pollinator Plots and Vegetative Environmental Buffers**
Jim Passwaters, Environmental Vegetative Buffers Coordinator, Delmarva Poultry Industry, Inc.

8:00 p.m. **ADJOURN**

*Sponsored by USDA Poultry Respiratory Disease (PRD) Combined Agriculture Project (CAP)*

**Session Summary:**
DE Pesticide Certification Credits: 0
MD Pesticide Certification Credits: 0
DE Nutrient Management Credits: 2.0
MD Nutrient Management Credits: 2.0
Certified Crop Advisor Credits: NM:.50
Monday, January 14, 2019

Moderator: Emmalea Ernest, Associate Scientist, Extension Fruit and Vegetable Program, University of Delaware

6:00 p.m.—6:35 p.m.
Final Reports on the University of Delaware Blueberry Variety Trial, Soil Amendment and Fertilizer Experiments
Emmalea Ernest, Associate Scientist, Extension Fruit and Vegetable Program, University of Delaware

6:35 p.m.—7:20 p.m.
Strawberry Variety Testing and Quality Evaluation and the Strawberry Breeding Program at USDA, Beltsville
Dr. Kim Lewers, Research Geneticist, Genetic Improvement of Fruits and Vegetables Lab, USDA-ARS

7:20 p.m.—8:05 p.m.
Managing Strawberry Botrytis and Anthracnose Fruit Rot Using a Weather Station Based Forecasting Tool
Dr. Mengjun Hu, Small Fruit Pathologist, University of Maryland

8:05 p.m.—8:40 p.m.
Weed Control in Fruit Crops
David Myers, Agriculture Agent, University of Maryland

8:40 p.m.—9:00 p.m.
Soil Health and Strawberries
Dr. Gordon Johnson, Extension Fruit and Vegetable Specialist, University of Delaware

9:00 p.m. ADJOURN

Session Summary:
DE Pesticide Certification Credits: 2.0
MD Pesticide Certification Credits: 3.0
DE Nutrient Management Credits: 1.0
MD Nutrient Management Credits: 2.0
Certified Crop Advisor Credits: PM:1.0, CM:1.0
Monday, January 14, 2019

6:00 p.m.—6:30 p.m.
What's in the Color? Managing Diseases for High Quality Forages
Sudeep Mathew, Agronomic Service Representative, Mid-Atlantic, Syngenta

6:45 p.m. DINNER Sponsored by the Delaware Beef Advisory Board

7:30 p.m.—8:00 p.m.
Strengthening Health and Farm Vitality
Maria Pippidis, Family and Consumer Sciences Extension Educator, University of Delaware
Laurie Wolinski, Director, Northeast Extension Risk Management Education Center, University of Delaware

8:00 p.m.—8:45 p.m.
Feeding Lower Quality Hay
Dr. Jessica Williamson, Extension Forage Specialist, Penn State University

8:45 p.m. QUESTIONS/ADJOURN

Please RSVP by January 4, 2019 to Susan Garey at truehart@udel.edu or 302-730-4000 if you plan to attend so we can plan accordingly for meals and materials and accommodating any special needs.

Session Summary:
DE Pesticide Certification Credits: 1.0
MD Pesticide Certification Credits: 1.0
DE Nutrient Management Credits: 0
MD Nutrient Management Credits: 0
Certified Crop Advisor Credits: PM:.50
**Tuesday, January 15, 2019**

**GENERAL AND PRODUCE FOOD EXHIBIT HALL**  
**SAFETY SESSION—FRUIT & VEGETABLE GROWERS ASSOCIATION OF DELAWARE**  
**SESSION CHAIRS: GORDON JOHNSON, EMMALEA ERNEST**

**Moderator:** Dr. Gordon Johnson, Extension Fruit and Vegetable Specialist, University of Delaware

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<td>8:55 a.m.—9:00 a.m.</td>
<td>Welcome</td>
<td>David Marvel, Jr., FVGAD President</td>
</tr>
<tr>
<td>9:00 a.m.—9:20 a.m.</td>
<td>Produce Promotion Programs from the Delaware Department of Agriculture</td>
<td>Stacey Hofmann, Chief of Community Relations, Delaware Department of Agriculture</td>
</tr>
<tr>
<td>9:20 a.m.—10:20 a.m.</td>
<td>Worker Protection Standard (WPS)</td>
<td>Representative, United States EPA Office of Pesticide Programs</td>
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<tr>
<td>10:20 a.m.</td>
<td><strong>BREAK/VISIT WITH EXHIBITORS</strong></td>
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<tr>
<td>10:30 a.m.—11:00 a.m.</td>
<td>Crop and Revenue Protection Insurance</td>
<td>Laurie Wolinski, Extension Educator, University of Delaware, Donald Clifton, Farmers First Services</td>
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<tr>
<td>11:00 a.m.—11:30 a.m.</td>
<td>Produce Food Safety Session</td>
<td>Andrea Jackson, Food Products Inspection Administrator, Delaware Department of Agriculture, Dr. Socrates Trujillo, Produce Safety Expert, FDA</td>
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11:30 a.m.—12:00 p.m.  
**Produce Food Safety Research Updates**  
The University of Delaware is a leader in this region on produce food safety research. Learn about recent projects on soil amendments, surface water, and produce contaminants.  
Dr. Kali Kniel, University of Delaware

12:00 p.m.  **LUNCH IN DOVER BUILDING**
Tuesday, January 15, 2019

DELMARVA HAY AND COMMODITIES BUILDING
PASTURE CONFERENCE
SESSION CHAIR: DAN SEVERSON

Session Summary:
DE Pesticide Certification Credits: 1.0
MD Pesticide Certification Credits: 2.0
DE Nutrient Management Credits: 0
MD Nutrient Management Credits: 0
Certified Crop Advisor Credits: PM:.50, CM:.50

Moderator: Dan Severson, Extension Agriculture Agent, University of Delaware

9:00 a.m.—9:15 a.m.
Welcome and Housekeeping Details
Dan Severson, Extension Agriculture Agent, University of Delaware

9:15 a.m.—10:00 a.m.
What's in the Color? Managing Diseases for High Quality Forages
Sudeep Mathew, Agronomic Service Representative, Mid-Atlantic, Syngenta

10:00 a.m.—10:45 a.m.
Feeding Lower Quality Hay
Jessica Williamson, Extension Forage Specialist, Penn State University

10:45 a.m.  BREAK/VISIT WITH EXHIBITORS

11:00 a.m.—11:45 a.m.
Are Clovers Worth It and are Phytoestrogens in Clover Good or Evil?
Dennis Hancock, State Forage Specialist, University of Georgia

11:45 a.m.—12:00 p.m.
Words from the Maryland-Delaware Forage Council
Les Vough, President MDFC and Forage Crops Extension Specialist Emeritus, University of Maryland

12:00 p.m.  LUNCH IN DOVER BUILDING
Free Health Screenings, Information and Services
Tuesday, January 15, 2019
11:00 a.m. – 2:00 p.m.

Beebe Population Health
Dover Building
Blood Pressure Screening
Glucose Screening
Cholesterol Screening
Skin Cancer Screening
Smoke Cessation Information
Prostate Screening Information
Flu Shots

For questions, please contact Catherine at 302-645-3337.

Outside the Dover Building
in Westside Mobile Health Unit
Blood Pressure Screening
Body Mass Index (BMI) Screening
Information about mobile on-farm physicals for uninsured or underinsured farm workers

For questions, please contact Charita at 302-678-4622.
Tuesday, January 15, 2019

FRESH MARKET SESSION
FRUIT & VEGETABLE GROWERS ASSOCIATION OF DELAWARE
SESSION CHAIRS: GORDON JOHNSON, EMMALEA ERNEST

Moderator: Dr. Gordon Johnson, Extension Fruit and Vegetable Specialist, University of Delaware

1:15 p.m.—2:00 p.m.  
North Florida Vegetable Industry and Vegetable Research  
Robert Hochmuth, Regional Specialized Extension Agent for Commercial Vegetable Crops, University of Florida

2:00 p.m.—2:30 p.m.  
Wet Weather Diseases in Vegetables and Fungicide Updates  
Dr. Andy Wyendandt, Extension Specialist in Vegetable Pathology, Rutgers University

2:30 p.m.—2:50 p.m.  
Vegetable Weed Management Updates and Row Middle Management in Vine Crops  
Dr. Kurt Vollmer, Postdoctoral Researcher Weed Science, University of Delaware

2:50 p.m.—3:05 p.m.  
Research on Managing Mites in Watermelons  
Dr. David Owens, Extension Entomologist, University of Delaware

3:05 p.m.  BREAK/VISIT WITH EXHIBITORS

3:15 p.m.—3:45 p.m.  
Vegetable Research Updates: Snap Bean Variety Trials, Stress Mitigation Projects  
Emmalea Ernest, Associate Scientist, Extension Fruit and Vegetable Program, University of Delaware

3:45 p.m.—4:15 p.m.  
Fresh Market Vegetable Research Updates: Variety Trials in Watermelons, Broccoli, Beets and Tomatoes; Other Watermelon Research, Compost Projects, Particle Film Research  
Dr. Gordon Johnson, Extension Fruit and Vegetable Specialist, University of Delaware

Continued on next page
Tuesday, January 15, 2019

FRESH MARKET SESSION              EXHIBIT HALL
FRUIT & VEGETABLE GROWERS ASSOCIATION OF DELAWARE
SESSION CHAIRS: GORDON JOHNSON, EMMALEA ERNEST

4:15 p.m.—4:30 p.m.
Cucurbit Downy Mildew Updates and an
Alternative Fungicide Spray Program in Melons
Jake Jones, Ph.D. Student, University of Maryland

4:30 p.m.—4:50 p.m.
Research on Managing Phytophthora capsici in Watermelons
Manish Poudel, Extension Agent-Agriculture, University of Maryland

4:50 p.m.      ADJOURN

Session Summary:
DE Pesticide Certification Credits:  3.0
MD Pesticide Certification Credits:  7.0
DE Nutrient Management Credits:  0.50
MD Nutrient Management Credits:  1.0
Certified Crop Advisor Credits: PM:.50, CM:1.50
Moderator: Dan Severson, Extension Agriculture Agent, University of Delaware

1:00 p.m.—2:00 p.m.
Advancements in Alfalfa Production and Management
Dennis Hancock, State Forage Extension Specialist, University of Georgia

2:00 p.m.—3:00 p.m.
To Be Announced
Roeland Kapsenberg, Vice President Agricultural Division, DLF PickSeed

3:00 p.m.  ADJOURN

Session Summary:
DE Pesticide Certification Credits: 1.0
MD Pesticide Certification Credits: 4.0
DE Nutrient Management Credits: 0.50
MD Nutrient Management Credits: 1.0
Certified Crop Advisor Credits: CM:1.0
Tuesday, January 15, 2019

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<th>ON FARM RESEARCH &amp; ROI SESSION</th>
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Moderator: Jen Nelson, Resource Smart LLC

1:00 p.m.—1:15 p.m.
*Welcome and Introduction: Why On-Farm Research?*
Keiller Kyle, The Nature Conservancy
Jen Nelson, Resource Smart LLC

1:15 p.m.—2:00 p.m.
*Tips, Tricks, Trials and Tribulations of On-Farm Research*
Joshua McGrath, University of Kentucky

2:00 p.m.—2:45 p.m.
*Precision Agriculture Economics and Decision Making—Beyond Profitability*
Jordan Shockley, University of Kentucky

2:45 p.m. **BREAK/VISIT WITH EXHIBITORS**

2:50 p.m.—3:00 p.m.
*Available Grants and Technical Assistance for On-Farm Research Projects*
Jason Challandes, Delaware State University

3:00 p.m.—4:00 p.m.
*Walking Through the Steps of a Successful On-Farm Research Trial*
Anthony Martin, Iowa Soybean Association, On-Farm Network

4:00 p.m. **ADJOURN**

Space is limited. Please RSVP to Keiller Kyle at 315-730-7454 or keiller.kyle@tnc.org by January 11, 2019.

**Session Summary:**
DE Pesticide Certification Credits: 0
MD Pesticide Certification Credits: 4.0
DE Nutrient Management Credits: 0.50
MD Nutrient Management Credits: 1.0
Certified Crop Advisor Credits: CM:1.50, PD:.50
Moderator: Jennie Schmidt, Registered Dietitian, Maryland Farmer and President of the Maryland Grain Producers Utilization Board

Becoming a Voice for Agriculture: Connecting the Consumer with Today's Modern Agriculture
General consumers are removed from agriculture and rural living by multiple generations. Concerns about pesticides, genetic engineering, and other practices employed in modern crop production can be found nearly every day in the headlines or on social media. These complex topics can be overwhelming and can lead to misinformed choices that directly impact you as a farmer. Speakers in this session will present science-based information so that you can confidently engage the consumer and effectively deliver your message about modern agriculture and producing safe food.

5:45 p.m.—5:55 p.m. Welcome
Jennie Schmidt, Registered Dietitian, Maryland Farmer, and President of the Maryland Grain Producers Utilization Board

5:55 p.m.—7:20 p.m. Promoting Dialogue on Genetically Engineered Crops
Dr. Paul Vincelli, Extension Professor, Department of Plant Pathology, University of Kentucky

7:20 p.m. BREAK

7:35 p.m.—9:00 p.m. Pesticides in Food: Residues, Risks and Reality
Dr. Carl Winter, Extension Food Toxicologist and Vice Chair, Department of Food Science and Technology, University of California, Davis

9:00 p.m. ADJOURN

Session Summary:
DE Pesticide Certification Credits: 2.0
MD Pesticide Certification Credits: 6.0
DE Nutrient Management Credits: 0
MD Nutrient Management Credits: 0
Certified Crop Advisor Credits: PM:1.0
Tuesday, January 15, 2019

<table>
<thead>
<tr>
<th>SMALL RUMINANT SESSION</th>
<th>EXHIBIT HALL BOARD ROOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>SESSION CHAIR: SUSAN GAREY</td>
<td></td>
</tr>
</tbody>
</table>

6:00 p.m.—6:45 p.m.  
_Exploring “Ethnic” Markets for Lamb and Goat Meat_  
_Dr. Tatiana L. Stanton, Small Ruminant Extension Specialist, Cornell University_

6:45 p.m.  
_DINNER Sponsored by Delmarva Feeds_

7:15 p.m.—7:30 p.m.  
_Past and Future Plans of the Small Ruminant Program_  
_Delaware Cooperative Extension Small Ruminant Team_

7:30 p.m.—8:15 p.m.  
_Lambing and Kidding_  
_Dr. Tatiana L. Stanton, Small Ruminant Extension Specialist, Cornell University_

8:15 p.m.—8:45 p.m.  
_Apps to the Rescue_  
_Delaware Cooperative Extension Small Ruminant Team_

8:45 p.m.  
QUESTIONS/ADJOURN

Please RSVP by January 4, 2019 to Susan Garey at truehart@udel.edu or 302-730-4000 if you plan to attend so we can plan accordingly for meals and materials and accommodating 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
### Wednesday, January 16, 2019

<table>
<thead>
<tr>
<th>PROCESSING VEGETABLES</th>
<th>EXHIBIT HALL</th>
</tr>
</thead>
<tbody>
<tr>
<td>SESSION - FRUIT &amp; VEGETABLE GROWERS</td>
<td>ASSOCIATION OF DELAWARE</td>
</tr>
<tr>
<td>SESSION CHAIRS: GORDON JOHNSON, EMMALEA ERNEST</td>
<td></td>
</tr>
</tbody>
</table>

Moderator: Dr. Gordon Johnson, Extension Fruit and Vegetable Specialist, University of Delaware

8:55 a.m.—9:00 a.m.
**Welcome**
David Marvel, Jr., President, FVGAD

9:00 a.m.—9:25 a.m.
**Lima Bean and Pickling Cucumber Research Updates**
Dr. Gordon Johnson, Extension Fruit and Vegetable Specialist, University of Delaware

9:25 a.m.—9:45 a.m.
**Extension Plant Pathology Updates and Research Opportunities in Sweet Corn**
Dr. Alyssa Koehler, Assistant Professor and Extension Specialist, Plant Pathology, University of Delaware

9:45 a.m.—10:05 a.m.
**Weed Management Update**
Dr. Mark VanGessel, Extension Weed Science Specialist, University of Delaware

10:05 a.m.—10:20 a.m.
**Proper Selection of Fungicides and Resistant Varieties are Vital to Managing Cucurbit Downy Mildew in Cucumbers**
Jake Jones, Ph.D. Student, University of Maryland

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

Continued on next page
**Wednesday, January 16, 2019**

**PROCESSING VEGETABLES**

**EXHIBIT HALL**

**SESSION - FRUIT & VEGETABLE GROWERS ASSOCIATION OF DELAWARE**

**SESSION CHAIRS: GORDON JOHNSON, EMMALEA ERNEST**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 a.m.—11:00 a.m.</td>
<td><strong>Agricultural Drainage Strategies</strong></td>
<td>James Adkins, Irrigation Specialist, University of Delaware</td>
</tr>
<tr>
<td>11:00 a.m.—11:15 a.m.</td>
<td><strong>White Mold Incidence, Severity and Lima Bean Yield Response to Fungicide Application Timing in the Mid-Atlantic Region</strong></td>
<td>Habtamu Demissie, Ph.D. Student, University of Maryland</td>
</tr>
<tr>
<td>11:15 a.m.—11:35 a.m.</td>
<td><strong>Sweet Corn Insect Management</strong></td>
<td>Dr. David Owens, Extension Entomologist, University of Delaware</td>
</tr>
<tr>
<td>11:35 a.m.—12:00 p.m.</td>
<td><strong>Pea Variety Trials, Lima Bean Breeding Update and Heat Stress Mitigation for Beans</strong></td>
<td>Emmalea Ernest, Associate Scientist, Extension Fruit and Vegetable Program, University of Delaware</td>
</tr>
<tr>
<td>12:00 p.m.</td>
<td><strong>FVGAD Awards Luncheon and Annual Business Meeting</strong></td>
<td>Harrington Raceway and Casino (see next page)</td>
</tr>
</tbody>
</table>

**Session Summary:**

- DE Pesticide Certification Credits: 3.0
- MD Pesticide Certification Credits: 5.0
- DE Nutrient Management Credits: 0.50
- MD Nutrient Management Credits: 1.0
- Certified Crop Advisor Credits: SW: 0.50
**PRE-REGISTRATION REQUIRED**

All current FVGAD Members are invited to attend free of charge but **MUST** Pay Dues and RSVP by **Monday, January 7, 2019**.

**Tickets are $25 for non-FVGAD Members**

To pay FVGAD dues, RSVP for luncheon or purchase tickets, contact Emmalea Ernest at emmalea@udel.edu or 302-856-7303 by **Monday, January 7, 2019**.

12:00 p.m.  **Luncheon**

*Presentation of 2019 FVGAD Distinguished Service Award*

*Presentation of 2019 FVGAD Family Award*

*FVGAD Annual Business Meeting*
Wednesday, January 16, 2019

AGRICULTURE & EPA ROUNDTABLE       EXHIBIT HALL BOARD ROOM
SESSION CHAIR: MICHAEL SCUSE

11:00 a.m.—12:00 p.m.
To Be Announced

Session Summary:
DE Pesticide Certification Credits: TBA
MD Pesticide Certification Credits: TBA
DE Nutrient Management Credits: TBA
MD Nutrient Management Credits: TBA
Certified Crop Advisor Credits: TBA
Free Health Screenings, Information and Services
Wednesday, January 16, 2019
11:00 a.m. – 2:00 p.m.

Beebe Population Health
Dover Building
Blood Pressure Screening
Glucose Screening
Cholesterol Screening
Skin Cancer Screening
Smoke Cessation Information
Prostate Screening Information
Flu Shots

For questions, please contact Catherine at 302-645-3337.
1:00 p.m.—1:15 p.m.
Evaluation of Active Downforce Settings on Corn Emergence-First Year Project Update
James Adkins, Extension Engineer, University of Delaware

1:15 p.m.—2:15 p.m.
Using Precision Technologies to Evaluate Practices on Your Farm
Chad Swindoll, Agronomist, Ag Leader Technology

2:15 p.m.—2:30 p.m.
Supporting Innovation in Agriculture
Ariel Gruswitz, Director of Innovation, Delaware Prosperity Partnership

2:30 p.m.          BREAK

2:40 p.m.—3:15 p.m.
Realistic Uses for UAVs in Agriculture
Jarrod Miller, Agronomy Specialist, University of Delaware

3:15 p.m.—4:00 p.m.
Irrigation Research Update-A Summary of University of Delaware Research Findings for Wheat, Corn and Soybeans
Dr. Cory Whaley, Extension Agriculture Agent, University of Delaware
James Adkins, Extension Engineer, University of Delaware

4:00 p.m.—4:30 p.m.
Operation and Calibration of Fertigation and Chemigation Systems
James Adkins, Extension Engineer, University of Delaware

4:30 p.m.          ADJOURN

Session Summary:
DE Pesticide Certification Credits:  1.0
MD Pesticide Certification Credits:  4.0
DE Nutrient Management Credits:  2.0
MD Nutrient Management Credits:  2.0
Certified Crop Advisor Credits: PM:.50,SW:1.0,CM:.50, PD:.50
Wednesday, January 16, 2019

CONTROLLED ENVIRONMENT          COMMODITIES
VEGETABLE PRODUCTION          BUILDING
FRUIT & VEGETABLE GROWERS ASSOCIATION OF
DELAWARE

SESSION CHAIRS: GORDON JOHNSON, EMMALEA, ERNEST

Moderator: Dr. Gordon Johnson, Extension Fruit and Vegetable Specialist, University of Delaware

2:15 p.m.—2:45 p.m.
Disease, Insect and Mite Control and Mineral Nutrition for High Tunnel Tomatoes
Dr. Jerry Brust, Regional Extension Specialist-Vegetables, University of Maryland

2:45 p.m.—3:15 p.m.
Managing Challenges in High Tunnel Tomato Production
Dr. Rose Ogutu, Horticulture Specialist, Delaware State University

3:15 p.m.—3:45 p.m.
Hydroponic Vegetable Production in Florida
Robert Hochmuth, Regional Specialized Extension Agent for Commercial Vegetable Crops, University of Florida

3:45 p.m.—4:15 p.m.
Indoor and Vertical Growing Systems
Dr. Erin Sparks, Assistant Professor, Delaware Biotechnology Institute, Department of Plant and Soil Sciences, University of Delaware

4:15 p.m.—4:45 p.m.
Converting Retired Poultry Houses into Indoor Vegetable Growing Facilities, Challenges and Opportunities
Dr. Gordon Johnson, Extension Fruit and Vegetable Specialist, University of Delaware

4:45 p.m.—5:00 p.m.
Questions and Discussion

5:00 p.m.  ADJOURN

Session Summary:
DE Pesticide Certification Credits: 1.0
MD Pesticide Certification Credits: 4.0
DE Nutrient Management Credits: 1.0
MD Nutrient Management Credits: 1.0
Certified Crop Advisor Credits: PM:.50, CM:2.0
## Wednesday, January 16, 2019

### Risk Management Session

**Session Chair:** Laurie Wolinski, Director, Northeast Extension Risk Management Education Center, University of Delaware

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00 p.m.—1:45 p.m.</td>
<td><strong>Connecting the Dots: Succession Planning and Long-Term Health Planning</strong></td>
<td>Paul Goeringer, Maryland Ag Law Education Initiative</td>
</tr>
<tr>
<td>1:45 p.m.</td>
<td><strong>BREAK</strong></td>
<td></td>
</tr>
</tbody>
</table>
| 2:00 p.m.—3:00 p.m. | **Strengthening Health and Farm Vitality**                                 | Maria Pippidis, Family and Consumer Sciences Extension Educator, University of Delaware
|               |                                                                             | Laurie Wolinski, Director, Northeast Extension Risk Management Education Center, University of Delaware |
| 3:00 p.m.—4:30 p.m. | **Producer Experience with Crop Insurance in 2018 and Lessons Learned** | Don Clifton, Farmers First Services, Inc.                                    |
| 4:30 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: PD:3.0
5:00 p.m.  Dinner Available to Workshop Participants

6:00 p.m.—6:10 p.m.
Welcome and Introduction

6:10 p.m.—7:00 p.m.
Influence of Cover Crop Management on Growth and Performance
Dr. Mark VanGessel, Extension Weed Science Specialist, University of Delaware

7:00 p.m.—7:50 p.m.
Soil Health and Science; Where Do They Overlap?
Andrew McGuire, Irrigated Cropping Systems Agronomist, Washington State University

7:50 p.m.  BREAK

8:00 p.m.—9:00 p.m.
Recovering Tillage Addict
Jimmy Emmons, Oklahoma Farmer

9:00 p.m.  ADJOURN

Lite dinner to be served. Attendees can register for the workshop by calling the district office at 302-856-3990, ext. 3 or by emailing bobbi.heck@de.nacdnet.net or online at www.sussexconservation.org by January 11, 2019.

Session Summary:
DE Pesticide Certification Credits: 1.0
MD Pesticide Certification Credits: 2.0
DE Nutrient Management Credits: 2.50
MD Nutrient Management Credits: 3.0
Certified Crop Advisor Credits: SW:3.0
Thursday, January 17, 2019

AGRONOMY/SOYBEAN SESSION

Moderator: Phillip Sylvester, Extension Agriculture Agent, University of Delaware

8:10 a.m.—8:25 a.m.
**Targeting Your Crop Insurance Strategy to Your Real Risk Exposure**
Don Clifton, Farmers First Services, Inc.

8:25 a.m.—8:55 a.m.
**Chesapeake Pollution Strategy for Agriculture**
Chris Brosch, Nutrient Management Administrator, Delaware Department of Agriculture
Jennifer Volk, Environmental Quality Specialist, University of Delaware

8:55 a.m.—9:15 a.m.
**Insect Pest Management Projects Update**
Bill Cissel, Extension IPM Agent, University of Delaware

9:15 a.m.—10:00 a.m.
**Evaluating Past Experiences to Improve Nitrogen Management in the Future**
Dr. Amy Shober, Extension Nutrient Management Specialist, University of Delaware

10:00 a.m. **BREAK/VISIT WITH EXHIBITORS**

10:20 a.m.—11:00 a.m.
**Field Crops Insect Pests Update**
Dr. David Owens, Extension Entomologist, University of Delaware

11:00 a.m.—11:45 a.m.
**Insight on the Farm Bill, Trade Impacts and Programs to Help American Farmers**
Bill Northey, USDA Under Secretary for Farm and Foreign Agricultural Service

11:45 a.m.—12:00 p.m.
**Delaware Soybean Board Remarks and Yield Contest Awards**
Cory Atkins, Delaware Soybean Board Chairman

12:00 p.m. **LUNCH**

Session Summary:
DE Pesticide Certification Credits: 1.0
MD Pesticide Certification Credits: 2.0
DE Nutrient Management Credits: 1.25
MD Nutrient Management Credits: 2.0
Certified Crop Advisor Credits: PM:.50, SW:.50, CM:.50, PD:.50
Free Health Screenings, Information and Services
Thursday, January 17, 2019
11:00 a.m. – 2:00 p.m.

Beebe Population Health
Dover Building
Blood Pressure Screening
Glucose Screening
Cholesterol Screening
Skin Cancer Screening
Smoke Cessation Information
Prostate Screening Information
Flu Shots

For questions, please contact Catherine at 302-645-3337.
Thursday, January 17, 2019

AGRONOMY/SOYBEAN SESSION       EXHIBIT HALL
SESSION CHAIRS: PHILLIP SYLVESTER, SYDNEY RIGGI

Moderator: Jarrod Miller, Agronomy Specialist, University of Delaware

1:15 p.m.—1:30 p.m.
Field Crops Disease Management Update
Dr. Alyssa Koehler, Extension Plant Pathologist, University of Delaware

1:30 p.m.—2:20 p.m.
Ecological Theory vs. Agriculture: Are Cover Crop Mixtures the Answer?
Andrew McGuire, Irrigated Cropping Systems Agronomist, Washington State University

2:20 p.m.    BREAK/VISIT WITH EXHIBITORS

2:40 p.m.—3:40 p.m.
Corn Dry Down and Dry Matter Loss After Maturity
Dr. Mark Licht, Extension Cropping Systems Specialist, Iowa State University

3:40 p.m.—4:20 p.m.
Weed Management in Field Crops Update
Dr. Mark VanGessel, Extension Weed Science Specialist, University of Delaware

4:20 p.m.—4:40 p.m.
Delaware Deer Management and Damage Assistance
Rob Hossler, Wildlife Administrator, DNREC Division of Fish and Wildlife

4:40 p.m.       ADJOURN

---

Session Summary:
DE Pesticide Certification Credits: 2.0
MD Pesticide Certification Credits: 3.0
DE Nutrient Management Credits: 1.25
MD Nutrient Management Credits: 2.0
Certified Crop Advisor Credits: PM:.50, SW:1.0, CM:1.0
The mission of the Delaware Urban Farm and Food Coalition (DEUFFC) is to support community-oriented urban agricultural projects to expand healthy food access in Northern Delaware and bring together resources and technical assistance through a collaborative approach to urban farming. Our vision is: access to fresh, nutritious, locally-grown food; healthier, sustainable communities; a strengthened regional agricultural system; hands-on, experiential education; re-connecting people to where their food comes from; and, re-purposed vacant lands and mentored ownership.

Join the DEUFFC on Thursday, January 17, 2019, 5-8 p.m. at the Delaware Center for Horticulture, 1810 N. DuPont Street, Wilmington, Delaware for an evening of networking, information and inspiration. Refreshments will be served.

Pre-Registration is Required at https://www.thedch.org/

For more information contact
Carrie Murphy, Extension Educator
cjmurphy@udel.edu
302-831-2506
Delaware Horticulture Industry Expo and Annual Pesticide Conference

January 16 and 17, 2019

Modern Maturity Center
1121 Forrest Avenue
Dover, DE 19904

Pre-Registration is Required
Please contact Valann Budischak at 888-448-1203 or dnlainc@comcast.net

www.dnlaonline.org
The Delaware Council of Farm Organizations

Delaware Agricultural Industry Dinner
Dover Downs Hotel & Casino
January 24, 2019 at 5:00 p.m.

CELEBRATE AGRICULTURE
The 48th Agricultural Industry Dinner is a celebration of one of Delaware's largest industries. It is a time for fellowship, networking, and sharing Delaware's agricultural story with State Legislative, Executive, and Congressional leaders. All who are involved in agriculture are welcome to attend – farmers, agribusinesses, suppliers, educators, and supporters.

SPONSORSHIP
Platinum  □ $1,000  Platinum sponsorship includes 6 tickets to event, prime seating, and recognition at the event.
Gold  □ $500
Silver  □ $200  Gold, Silver, and Bronze sponsors will be prominently recognized at the event. Tickets not included with these sponsorship levels.
Bronze  □ $100

Sponsorship Deadline January 8.

REGISTRATION
Early Bird Discount
Register by January 4.
□ Individual Ticket: $60  Quantity: ___
□ Group Reservation (10 seats): $550

Regular Rate  Register by January 9.
□ Individual Ticket: $65  Quantity: ___
□ Group Reservation (10 seats): $600

Do you want members of your group to be seated at the same table?  Y  N

Please make checks payable and mail to:
Delaware Council of Farm Organizations
PO Box 132
Camden-Wyoming, DE 19934
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 our Annie's Project or Managing for Today and Tomorrow business-focused classes!

Join over 600 women from Delaware and Maryland since 2008 – Be an Annie’s Project Graduate!

2019 REGISTRATION is Open!

For class information and to register, visit the website: 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 Resources
- Marketing
- Regulations and Legal Issues
- Farm Insurance
- Financial Planning
- Estate Planning
- Computer and Information Systems

Check our website, as new classes are added often!

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 2019 CLASS ~
Women in Agriculture

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

FEBRUARY 13, 2019
will mark our 18th 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, financial, production and legal.

Preconference, February 12, with your choice of topic
* Family Farm Legacy * Effective Agriculture Communication

Location:
Dover Downs Hotel & Casino
Dover, Delaware
*room rates available*

Registration is open:
www.extension.umd.edu/womeninag
Early Bird Pricing Available until 12/31/18

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

~ HOPE TO SEE YOU AT OUR 2019 CONFERENCE ~

Wednesday Webinars
2nd & 4th 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/webinars

@MidAtlanticWIA
Dairy Day

February 21, 2019
Hartly Fire Hall
2898 Arthursville Road
Hartley, DE 19953

For more information, contact:

Dan Severson
302-831-8860
or
severson@udel.edu
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.:

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
644 Road 316, Harrington, DE 19952
Delaware Agriculture

A.C. Schultes of Delaware, Inc.
Advanced Motorsports Lubricants
Agri-Inject
AgRisk Management
AgroLab Inc.
Amick Farms LLC
Atlantic Tractor
B & W Farm Supply
Bayhealth Cancer Institute
Binkley & Hurst/LVI
Channel
Clifton Seed Company
Delaware Crop Insurance Education
Delaware Department of Agriculture-Food Products Inspection
Delaware Department of Agriculture-Pesticide Compliance
Delaware Department of Agriculture-Seed Lab
Delaware Farm Bureau
Delaware Rural Water Association
Delaware Soybean Board
Delaware State University Small Farms Program
Delmarva Poultry Industry, Inc.
DNREC Water Allocation Branch
Eastern Shore Poultry Services
Ecodrum Composter
Energize Delaware Farm Program
Farm Credit
Farm Freezers LLC (Greener Solutions)
Farmsite Technologies
First Financial Bank
FMC
Fulton Bank
Growers Mineral Solutions
Growmark FS, LLC
Hilltop Environmental Services
Hoffman Irrigation
Hubner Seed
Independent Ag Equipment
Kenny Brothers Produce, LLC
King Crop Insurance, Inc.
Laurel Farmers Auction Market
LEADElaware
Week Exhibitors

LeafFilter Gutter Protection
M & T Bank
Marydel Ag Supply LLC
Miller Chemical and Fertilizer, LLC
Mountaire Farms
Nagel Crop Insurance, Risk & Profit Consulting
Nutrien Ag Solutions
Nutrient Management Program
O.A. Newton
Paradise Energy Solutions
Perdue AgriBusiness LLC
Perdue Foods
PNC Bank
Professional Leasing, Inc.
Pterascape Corporation
Rupp Seeds Inc.
Schaeffer’s Oil
Siegers Seed Company
SMW Sales, LLC
Southern States Milford Co-op., Inc.
Stokes Seed Company
Sunrise Solar
Sussex Conservation District
Sussex Irrigation, LLC
Syngenta
Taylor & Messick, Inc.
The Delmarva Farmer
Tidewater Seed
Tri Gas & Oil Co., Inc.
Trickl-Eez Irrigation Inc.
U.S. Department of Labor-Wage & Hour Division
U.S. Environmental Protection Agency-Healthy Farms, Clean Water
UD Health and Farm Vitality
UD Health, Food Safety, Financial Wellness and More
University of Delaware College of Agriculture and Natural Resources
USDA Natural Resources Conservation Service
USDA/Food and Nutrition Service
USDA/NASS
Venture Farms AG Supply
Vincent Farms/Shore Drip Irrigation
Walls Irrigation, Inc.
Week Sponsors

**SILVER**
- Delaware Farm Bureau
- Kenny Brothers Produce, LLC
- McConnell Agronomics
- O.A. Newton
- The Pictsweet Company
- Walls Irrigation, Inc.

**BRONZE**
- AgRisk Management
- Delaware State University
- Small Farms Program
- FMC
- Marydel Ag Supply LLC
- Stine Seed
- Sussex Conservation District
- Syngenta
Week Sponsors

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Board

Montaire

Business

es

“, Inc.

Collins

ES - SEED - PETROLEUM
LS - GRAIN MARKETING
ESTICIDE APPLICATION

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cell: (302) 632-7523