

Delaware Agriculture Week

January 8-11

2 0 1 8

Delaware State Fairgrounds, Harrington, Delaware

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

Delaware Agriculture

PLATINUM

Delaware Soybean Board

Tucker Mechanical
Service, Inc.

GOLD

Allen Chorman & Son, Inc.

Farm Credit

Growmark FS, LLC

USDA Natural Resources
Conservation Service

USDA Poultry Respiratory
Disease Combined
Agriculture Project
(PRD CAP)

Zimmatic

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Agriculture

Delaware Farm Bureau

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FMC

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The 2018 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.**

*University of Delaware Cooperative Extension in
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Department of Agriculture (USDA) civil rights
regulations and policies, the USDA, its Agencies,
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for prior civil rights activity, in any program or
activity conducted or funded by USDA (not all
bases apply to all programs). Remedies and
complaint filing deadlines vary by program or
incident.*

**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: John Clendaniel
Phone: (302) 857-6425
Email: jclendaniel@desu.edu

**47th 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-COOP
Email: cjmurphy@udel.edu

40th Annual FVGAD Awards Banquet

Contact: Emmalea Ernest
Phone: (302) 856-7303
Email: emmalea@udel.edu

Soil Health Workshop

Contact: Sussex Conservation District
Phone: (302) 856-3990 ext. 3
Email: bobbi.heck@de.nacdn.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/>*

2018 Delaware Agriculture

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**Please use #DEAgWeek
on social media.**

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

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**Please use #DEAgWeek
on social media.**

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



EARN

Up to 1 **EASY Continuing Education Credit** towards your certification renewal for Nutrient Management

- Bring your **COMPLETED** 2017 Annual Report form to earn 1/2 credit
- Bring your manure sample in a **SEALED** and **LABELED** sandwich bag to earn 1/2 credit

Visit the Nutrient Management booth in the Dover Building during daytime sessions. **Please note** the booth will not be staffed during evening sessions.



Drop off boxes for manure samples and Annual Reports will be available during the evening sessions.



Monday, January 8, 2018

POULTRY SESSION

EXHIBIT HALL

SESSION CHAIRS: SYDNEY RIGGI, GEORGIE CARTANZA, JON MOYLE

MONDAY PM

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

1:25 p.m.—1:30 p.m.

Welcome and Announcements

1:30 p.m.—1:45 p.m.

2018 Farm Bill Update: Remarks from Congresswoman Lisa Blunt Rochester

The Honorable Lisa Blunt Rochester, Member of the House Agriculture Committee

1:45 p.m.—2:00 p.m.

Embracing Change in the Poultry Industry

Georgie Cartanza, University of Delaware

2:00 p.m.—2:30 p.m.

Attic Vents

Michael Czarick, University of Georgia

2:30 p.m. BREAK/VISIT WITH EXHIBITORS

3:00 p.m.—3:40 p.m.

Managing the Persistent Pests in Poultry Production

Dr. Wes Watson, North Carolina State University

3:40 p.m.—4:15 p.m.

Current Legal Issues for Poultry Growers in the Delmarva

Kelly Nuckolls, University of Maryland

4:15 p.m.—4:35 p.m.

CAFO Update and Environmental Stewardship Award

Chris Brosch, Delaware Department of Agriculture

4:35 p.m. DINNER/VISIT WITH EXHIBITORS

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

Session Summary:

DE Pesticide Certification Credits: 1.0
MD Pesticide Certification Credits: 3.0
DE Nutrient Management Credits: 2.50
MD Nutrient Management Credits: 2.0
Certified Crop Advisor Credits: 0

Monday, January 8, 2018

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

5:45 p.m.—5:50 p.m.

Biosecurity for Commercial Poultry Growers Video

University of Maryland

5:50 p.m.—6:20 p.m.

Ventilation for Bird Health

Michael Czarick, University of Georgia

6:20 p.m. *BREAK/VISIT WITH EXHIBITORS*

6:35 p.m.—7:20 p.m.

Poultry Disease Updates: Managing Risks for Necrotic Enteritis and Respiratory Disease in Broilers

Dr. Daniel Bautista, University of Delaware

7:20 p.m.—7:50 p.m.

On-Farm Energy Audits: How Saving Energy Can Save You Money

Lisa Coven, Energize Delaware Farm Program

7:50 p.m.—8:15 p.m.

Farm Management for Disease Prevention

Dr. Jon Moyle, University of Maryland Extension

8:15 p.m. *ADJOURN*

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

Session Summary:

DE Pesticide Certification Credits: 0
MD Pesticide Certification Credits: 2.0
DE Nutrient Management Credits: 2.75
MD Nutrient Management Credits: 2.0
Certified Crop Advisor Credits: 0

Monday, January 8, 2018

FRUIT SESSION COMMODITIES BUILDING
FRUIT & VEGETABLE GROWERS ASSOCIATION
OF DELAWARE
SESSION CHAIRS: GORDON JOHNSON, EMMALEA ERNEST

MONDAY EVENING

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

6:00 p.m.—6:30 p.m.

***Pesticide Safety Basics for Applicator
Protection***

*Kerry Richards, Pesticide Safety Educator,
University of Delaware*

6:30 p.m.—7:00 p.m.

***Developing a Multi-Species Tree and Small
Fruit Spray Program***

*David Myers, Agriculture Agent, University of
Maryland*

7:00 p.m.—7:30 p.m.

***Strawberry Variety Trial Results from
Pennsylvania***

*Kathy Demchak, Extension Associate, Penn State
University*

7:30 p.m.—7:50 p.m.

***Experiences with High Tunnel Cherry
Production***

Charlie Smith, T.S. Smith and Sons Farm

7:50 p.m.—8:10 p.m.

***Kingsley Orchards: Renovation of an
Abandoned Delaware Blueberry Farm***

*Meghan Morgan, Kingsley Orchards on Blueberry
Lane*

8:10 p.m.—8:30 p.m.

***Spotted Lanternfly—A New Threat to Delaware
Agriculture***

*Stephen Hauss, Environmental Scientist II,
Delaware Department of Agriculture*

8:30 p.m.—9:00 p.m.

Maintaining Soil Fertility for Small Fruit Crops

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

9:00 p.m. ADJOURN

Session Summary:

DE Pesticide Certification Credits: 2.0

MD Pesticide Certification Credits: 2.0

DE Nutrient Management Credits: .50

MD Nutrient Management Credits: 1.0

Certified Crop Advisor Credits: NM: .50, PM: 1.0, CM: 1.50

Monday, January 8, 2018

**BEEF CATTLE PRODUCERS SESSION EXHIBIT HALL
BOARD ROOM**
SESSION CHAIRS: JOHN CLENDANIEL, SUSAN GAREY

Our featured speaker this year is Dr. Matthew Weeman, DVM. Dr. Weeman founded Bayside Bovine Veterinary Services, a mobile veterinary practice, in December 2016. Dr. Weeman grew up on a dairy farm in northeastern Ohio. He attended The Ohio State University where he obtained his B.S. in agriculture in 2010 and went on to earn his doctorate in Veterinary Medicine in 2013 when he graduated as president of his class. He later earned his M.S. in Comparative and Veterinary Medicine in 2016.

He began his career in the heart of dairy production in the Finger Lakes region of New York before relocating to the Delmarva Peninsula in 2015. He will tailor his services to meet the unique needs of herds with thousands of cows and those with just a few 4-H animals. He lives with his wife Hannah who serves the industry in her role as communications director of the Animal Agriculture Alliance in Arlington, Virginia.

6:00 p.m.—6:05 p.m.
Welcome and Housekeeping

6:05 p.m.—6:15 p.m.
***Sharing a Case Example-Whole Farm Revenue
Protection Crop Insurance***
Don Clifton, Farmers First Services
Laurie Wolinski, University of Delaware

6:15 p.m.—6:45 p.m.
***Vaccination Protocols for Different Classes of
Beef Cattle***
*Dr. Matthew Weeman, DVM, Bayside Bovine
Veterinary Services*

**6:45 p.m. *BREAK FOR LITE DINNER/
DELAWARE BEEF ADVISORY
BOARD/NCBA UPDATES***

Continued on next page

Monday, January 8, 2018

**BEEF CATTLE PRODUCERS SESSION EXHIBIT HALL
BOARD ROOM**
SESSION CHAIRS: JOHN CLENDANIEL, SUSAN GAREY

MONDAY EVENING

7:00 p.m.—7:45 p.m.

***Introduction to Delaware Animal Response
and Large Animals***

*Karen Clark, Delaware Animal Response
Coordinator, Department of Health and Human
Services*

7:45 p.m.—8:15 p.m.

***Simple Protocols for Synchronizing
Reproduction in Beef Cattle***

*Dr. Matthew Weeman, Bayside Bovine
Veterinary Services*

8:15 p.m.—8:45 p.m.

***Parasite Control for Beef Cattle Now and in
the Future***

*Dr. Matthew Weeman, Bayside Bovine
Veterinary Services*

**8:45 p.m. *QUESTIONS, EVALUATIONS/
ADJOURN***

*Sponsored by the Delaware Beef Advisory
Board*

***Please RSVP by January 4 to
jclendaniel@desu.edu or (302) 857-6425 if
you plan on attending so we can make the
necessary arrangements for food and
materials.***

Session Summary:

DE Pesticide Certification Credits: 0
MD Pesticide Certification Credits: 2.0
DE Nutrient Management Credits: 0
MD Nutrient Management Credits: 0
Certified Crop Advisor Credits: 0

Tuesday, January 9, 2018

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

8:55 a.m.—9:00 a.m.

Welcome

David Marvel, Jr., FVGAD President

9:00 a.m.—9:05 a.m.

Whole Farm Revenue Protection Insurance

Laurie Wolinski, Extension Educator, University of Delaware

9:05 a.m.—9:25 a.m.

New Promotion Program from the Delaware Department of Agriculture

Stacey Hofmann, Communication and Marketing, Delaware Department of Agriculture

9:25 a.m.—9:55 a.m.

The Food Safety Modernization Act (FSMA)

The FSMA is now in effect and will impact many Delaware produce growers by bringing fresh produce production under regulation. In this session, updates will be provided by the Delaware Department of Agriculture on FSMA implementation.

Andrea Jackson, Food Products Inspection Administrator, Delaware Department of Agriculture

9:55 a.m. BREAK/VISIT WITH EXHIBITORS

10:05 a.m.—12:00 p.m.

Worker Protection Standard (WPS)

New Rules for the WPS were put into effect by the EPA in January 2017. This session will offer growers a comprehensive review of the existing WPS rule as well as the new requirements. Growers will have the opportunity to learn about the new WPS rule requirements to prepare their operations for the upcoming 2018 growing season. Nancy Fitz, Environmental Protection Specialist, United States Environmental Protection Agency (EPA), Office of Pesticide Programs

12:00 p.m. LUNCH IN DOVER BUILDING

Session Summary:

DE Pesticide Certification Credits: 2.0
MD Pesticide Certification Credits: 3.0
DE Nutrient Management Credits: 0
MD Nutrient Management Credits: 1.0
Certified Crop Advisor Credits: 0

Tuesday, January 9, 2018

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

*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.—9:45 a.m.

Herbicide Resistant Weeds in Pasture and Hay

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

9:45 a.m.—10:15 a.m.

**Metabolic Disorders and Pathogens Related to
Forages**

*Jeff Semler, Extension Educator, AGNR UME-
Washington County*

10:15 a.m. BREAK/VISIT WITH EXHIBITORS

10:45 a.m.—11:45 a.m.

**Cattle's Impact on Soil Health-Degrading or
Beneficial?**

*Doug Peterson, Missouri Rancher and Iowa and
Missouri Regional Soil Health Specialist, Soil
Health Division, USDA-NRCS, Des Moines, Iowa*

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

TUESDAY AM

Session Summary:

DE Pesticide Certification Credits: 1.0

MD Pesticide Certification Credits: 2.00

DE Nutrient Management Credits: .50

MD Nutrient Management Credits: 1.0

Certified Crop Advisor Credits: PM: .50, SW: 1.0, CM: .50

Tuesday, January 9, 2018

FRESH MARKET SESSION	EXHIBIT HALL
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.—1:30 p.m.

***Cole Crop Variety Trials 2017-Broccoli,
Brussels Sprouts, Tomatoes***

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

1:30 p.m.—1:50 p.m.

***Managing Phytophthora capsici in Vegetable
Crops***

*Dr. Kate Everts, Extension Plant Pathologist,
University of Maryland and University of Delaware*

1:50 p.m.—2:10 p.m.

***Downy Mildew Control and Fungicide
Resistance in Vine Crops***

Jake Jones, Ph.D. Student, University of Maryland

2:10 p.m.—2:30 p.m.

***Managing True Bugs in Vegetable Crops-Stink
Bugs, Harlequin Bugs, Squash Bugs***

*Dr. Gerald Brust, Extension Specialist, IPM
Vegetables, University of Maryland*

2:30 p.m.—3:00 p.m.

***Sulfur Nutrition in Watermelons, Cucurbit
Yellow Vine Decline***

*Dr. Gerald Brust, Extension Specialist, IPM
Vegetables, University of Maryland*

3:00 p.m. *BREAK/VISIT WITH EXHIBITORS*

3:10 p.m.—3:25 p.m.

Snap Bean Variety Trials

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

3:25 p.m.—3:40 p.m.

***Extension Entomology Plans in Fresh Market
Vegetables***

*Dr. David Owens, Extension Entomologist,
University of Delaware*

Continued on next page

Tuesday, January 9, 2018

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

3:40 p.m.—4:10 p.m.

Melon Varieties; Orange Flesh and Various Specialty Melon Opportunities

Dr. Jonathan Schultheis, Professor, Vegetable Culture, Production and Physiology, North Carolina State University

4:10 p.m.—4:30 p.m.

Watermelon Variety Trial and Other Watermelon Research

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

4:30 p.m.—4:50 p.m.

High Tunnel Vegetable Research

Dr. Rose Ogutu, Horticulture Specialist, Delaware State University

4:50 p.m. *ADJOURN*

TUESDAY PM

Session Summary:

DE Pesticide Certification Credits: 3.0

MD Pesticide Certification Credits: 8.0

DE Nutrient Management Credits: 1.25

MD Nutrient Management Credits: 2.0

Certified Crop Advisor Credits: NM: .50, CM: .50

Tuesday, January 9, 2018

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

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

1:00 p.m.—2:00 p.m.

Healing the Land with High Density Grazing

*Doug Peterson, Missouri Rancher and Iowa and
Missouri Regional Soil Health Specialist, Soil Health
Division, USDA-NRCS, Des Moines, Iowa*

2:00 p.m.—3:00 p.m.

Nutrients and Forage Quality

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

3:00 p.m. *ADJOURN*

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: SW: 1.0, CM: 1.0

Tuesday, January 9, 2018

TILE DRAINAGE EXHIBIT HALL BOARD ROOM

SESSION CHAIR: JAMES ADKINS

*Moderator: James Adkins, Irrigation Specialist,
University of Delaware*

1:00 p.m.—1:02 p.m.

Tile Drainage Session Welcome

*James Adkins, Irrigation Specialist, University of
Delaware*

1:02 p.m.—1:20 p.m.

Legal Considerations for Tile Drainage

Jayme Arthurs, USDA NRCS Delaware

1:20 p.m.—1:40 p.m.

***Basic Soil, Elevation and Outlet Components
to a Successful Design***

Rich Gorlich, USDA NRCS Delaware

1:40 p.m.—3:00 p.m.

***Experiences with Tile Drainage Design,
Installation and Efficacy***

Chris Pugh, Hooper, Inc.

*A discussion of the design software options,
installation equipment and methods by a former
installer of 1+ million feet per year.*

3:00 p.m.—3:30 p.m.

Panel Discussion Question and Answer

Speakers and Experienced Farmers

3:30 p.m. ADJOURN

TUESDAY PM

Session Summary:

DE Pesticide Certification Credits: 0
MD Pesticide Certification Credits: 0
DE Nutrient Management Credits: 1.25
MD Nutrient Management Credits: 1.0
Certified Crop Advisor Credits: 0

Tuesday, January 9, 2018

SOIL FERTILITY SESSION

EXHIBIT HALL

SESSION CHAIRS: SYDNEY RIGGI, PHILLIP SYLVESTER

Speakers will walk you through the basics of soil fertility and the challenges associated with managing our region's coastal plain soils. The second half of the program will focus on primary nutrients and soil test reporting of those nutrients.

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

Speakers:

Dr. Nicole Fiorellino, Chesapeake College

Dr. Jarrod Miller, University of Delaware

Dr. Amy Shober, University of Delaware

6:00 p.m.—6:50 p.m.

Understanding Delaware Soil Fertility

6:50 p.m. *BREAK*

7:00 p.m.—7:30 p.m.

Primary Macronutrient Cycling

7:30 p.m.—8:00 p.m.

The Basics of Reading Soil Test Reports

8:00 p.m. *ADJOURN*

Session Summary:

DE Pesticide Certification Credits: 0

MD Pesticide Certification Credits: 0

DE Nutrient Management Credits: 2.25

MD Nutrient Management Credits: 2.0

Certified Crop Advisor Credits: NM: 2.0

Tuesday, January 9, 2018

**40TH ANNUAL FVGAD AWARDS BANQUET
HARRINGTON FIRE HALL
HARRINGTON, DELAWARE**

*****PRE-REGISTRATION REQUESTED*****

Tickets are \$30. To reserve tickets for the FVGAD Banquet, contact Emmalea Ernest at emmalea@udel.edu or (302) 856-7303 by Friday, January 5.

6:00 p.m. *Social Hour*

7:00 p.m. *Dinner*

Presentation of 2018 FVGAD Distinguished Service Award

Presentation of 2018 FVGAD Family Award

Invited Guest Speaker

TUESDAY EVENING

Wednesday, January 10, 2018

PROCESSING VEGETABLES	EXHIBIT HALL
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

8:55 a.m.—9:00 a.m.

Welcome

David Marvel, Jr., President, FVGAD

9:00 a.m.—9:05 a.m.

Whole Farm Revenue Protection Insurance

Laurie Wolinski, Extension Educator, University of Delaware

9:05 a.m.—9:25 a.m.

Parthenocarpic Pickling Cucumber Variety Trials and Population Studies; Processing Pepper Variety Trials; Root Knot Nematode Control in Lima Beans; and Bacterial Inoculants in Lima Beans

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

9:25 a.m.—9:45 a.m.

Lima Bean Variety Trials and Lima Breeding Program Update; Understanding Heat Losses in Lima Beans

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

9:45 a.m.—10:00 a.m.

Processing Vegetable Disease Updates; Downy Mildew Resistant Cucumber Trials

Dr. Kate Everts, Extension Plant Pathologist, University of Maryland and University of Delaware

10:00 a.m.—10:20 a.m.

White Mold Research in Lima Beans

Habtamu Demissie, Ph.D. Student, University of Maryland

10:20 a.m.—10:30 a.m.

Phytophthora capsici Host Range Studies

Nancy Gregory, Extension Agent and Plant Diagnostician, University of Delaware

10:30 a.m. BREAK/VISIT WITH EXHIBITORS

Continued on next page

Wednesday, January 10, 2018

PROCESSING VEGETABLES EXHIBIT HALL
SESSION - FRUIT & VEGETABLE GROWERS
ASSOCIATION OF DELAWARE
SESSION CHAIRS: GORDON JOHNSON, EMMALEA ERNEST

10:40 a.m.—10:50 a.m.

Extension Entomology Plans in Processing Vegetables

*Dr. David Owens, Extension Entomologist,
University of Delaware*

10:50 a.m.—11:20 a.m.

The Processing Sweet Potato Industry in North Carolina; North Carolina Sweet Potato Research

Dr. Jonathan Schultheis, Professor, Vegetable Culture, Production and Physiology, North Carolina State University

11:20 a.m.—12:00 p.m.

Invited North Carolina Grower

12:00 p.m.—12:15 p.m.

FVGAD Business Meeting

12:15 p.m. *LUNCH IN DOVER BUILDING*

WEDNESDAY AM

Session Summary:

DE Pesticide Certification Credits: 3.0
MD Pesticide Certification Credits: 3.0
DE Nutrient Management Credits: .50
MD Nutrient Management Credits: 1.0
Certified Crop Advisor Credits: CM: .50

Wednesday, January 10, 2018

AGRICULTURE AND EPA SESSION

EXHIBIT HALL

BOARD ROOM

SESSION CHAIR: SECRETARY MICHAEL SCUSE

Agriculture and the Environment – EPA Region 3 Deputy Regional Administrator Cecil Rodrigues and EPA Region 3 Agriculture Advisor Kelly Shenk will discuss EPA's efforts to further open the lines of communication with the agricultural community. They will provide updates on EPA's national and regional programs and policies affecting agriculture, highlight successful ways EPA has partnered with DE's agricultural community, and discuss additional opportunities to work together.

10:00 a.m.—11:00 a.m.

Agriculture and Environmental Protection Agency

Cecil A. Rodrigues, Deputy Regional Administrator, Region III

Kelly Shenk, Agricultural Advisor, Region III

11:00 a.m.

ADJOURN

Session Summary:

DE Pesticide Certification Credits: 0

MD Pesticide Certification Credits: 2.0

DE Nutrient Management Credits: 1.25

MD Nutrient Management Credits: 1.0

Certified Crop Advisor Credits: 0

Wednesday, January 10, 2018

**SPECIAL SESSION-PESTICIDES, EXHIBIT HALL
BEE SAFETY AND VALUE OF FORAGE -
FRUIT & VEGETABLE GROWERS ASSOCIATION OF
DELAWARE**

SESSION CHAIRS: GORDON JOHNSON, EMMALEA, ERNEST

*Moderator: Faith Kuehn, Plant Industries
Administrator, Delaware Department of Agriculture*

1:15 p.m.—1:25 p.m.

Introduction

*Faith Kuehn, Plant Industries Administrator,
Delaware Department of Agriculture*

1:25 p.m.—1:30 p.m.

The State of Delaware's Bees (video)

Meghan McConnell, Delaware State Apiarist

1:30 p.m.—2:10 p.m.

Honey Bees and Other Bees as Fruit Pollinators

*Dr. David Biddinger, Tree Fruit Research
Entomologist, Research Associate Professor, Penn
State University, Biglerville, Pennsylvania*

2:10 p.m.—2:40 p.m.

Bee Toxicology and the Label

Dr. Bridget O'Neill, Exotoxicologist, DowDuPont

2:40 p.m.—3:10 p.m.

**Issues with Bee Safety on Current Pesticide
Labels**

*Peter Coffey, Small Farm and Alternative
Agriculture Educator, University of Maryland
Extension, Carroll County, Maryland*

3:10 p.m. BREAK/VISIT WITH EXHIBITORS

3:20 p.m.—3:30 p.m.

Driftwatch

*Laura Mensch, Pesticides Section, Delaware
Department of Agriculture*

3:30 p.m.—4:10 p.m.

Mississippi Bee Stewardship Program

4:10 p.m.—4:40 p.m.

**Turning Unused Spaces into Pollinator Habitat
Without Seeding**

Rick Johnstone, Integrated Vegetation Management

4:40 p.m. ADJOURN

Session Summary:

DE Pesticide Certification Credits: 3.0

MD Pesticide Certification Credits: 4.0

DE Nutrient Management Credits: 0

MD Nutrient Management Credits: 0

Certified Crop Advisor Credits: PM: 1.50, CM: 1.0

WEDNESDAY AM/PM

Wednesday, January 10, 2018

RISK MANAGEMENT SESSION

**EXHIBIT HALL
BOARD ROOM**

SESSION CHAIR: LAURIE WOLINSKI

Crop Insurance

1:00 p.m.—2:00 p.m.

***Whole Farm Revenue Protection-Record
Keeping Tips and More***

*Laurie Wolinski, University of Delaware
Don Clifton*

**Health Care, Wealth Care and Estate Planning
Care-Understanding the Risk Management
Strategies**

2:00 p.m.—2:30 p.m.

***What Happens if I Don't Pay into Social Security
and Medicare?***

TBA

2:30 p.m.—3:30 p.m.

***How to Prevent the State's Recovery of Medical
Assistance Moneys from My Estate***

*Kelly Nuckolls, University of Maryland Ag Law
Initiative*

3:30 p.m.—4:30 p.m.

***Understanding and Estimating Health Care
Expenses for Farm Families***

Maria Pippidis, University of Delaware

4:30 p.m.—5:00 p.m.

Health Care Plans for Farm Entities

Maria Pippidis, University of Delaware

5:00 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: 0

Wednesday, January 10, 2018

SOIL HEALTH WORKSHOP

EXHIBIT HALL

SESSION CHAIR: DEBBIE ABSHER

**5:00 p.m. *Dinner Available to Workshop
Participants***

**6:00 p.m.—6:05 p.m.
*Welcome and Introduction***

**6:05 p.m.—6:50 p.m.
How Much Fertilizer Do We Really Need?
*Dr. Buz Kloot, University of South Carolina***

**6:50 p.m.—7:45 p.m.
*The Importance of Mycorrhizal Fungi: The
Unseen Benefactors in Agricultural
Ecosystems*
*Wendy Taheri, TerraNimbus, LLC***

7:45 p.m. *BREAK*

**7:50 p.m.—8:35 p.m.
Soil Health Across the Landscape
*Hear from a panel of local farmers discussing
their efforts to improve soil health on a variety of
different operations, including row crops,
vegetables, small farms, pastured poultry, and
organic farms.***

**8:35 p.m.—8:55 p.m.
*Questions and Answers with Speakers and
Farmer Panel***

**8:55 p.m.—9:00 p.m.
*Closing Remarks***

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
bobbie.heck@de.nacdn.net or online at
www.sussexconservation.org by
January 8, 2018.***

WEDNESDAY PM/EVENING

Session Summary:

DE Pesticide Certification Credits: 1.0

MD Pesticide Certification Credits: 0

DE Nutrient Management Credits: 3.0

MD Nutrient Management Credits: 3.0

Certified Crop Advisor Credits: NM: 1.0, SW: 1.50

Wednesday, January 10, 2018

**SMALL FLOCK POULTRY SESSION EXHIBIT HALL
BOARD ROOM**
SESSION CHAIRS: MIKE WASYLKOWSKI, JON MOYLE

6:00 p.m.—6:10 p.m.

Introduction, DSU Update

Mike Wasylkowski, Delaware State University

6:10 p.m.—6:20 p.m.

Farm School Pastured Broiler Project

Andrew Wytenbach, Student Worker, Delaware State University

6:20 p.m.—7:05 p.m.

Feed and Feeding Small Flocks of Poultry

Dr. Richard Barczewski, Chairman of Ag and Natural Resources, Delaware State University

7:05 p.m. *BREAK/QUESTIONS*

7:15 p.m.—8:00 p.m.

Marketing Small Flock Poultry and Eggs

Dr. Jon Moyle, University of Maryland Extension

8:00 p.m. *BREAK/QUESTIONS*

8:10 p.m.—8:35 p.m.

Rules and Regulations for Small Flock Poultry

Bob Moore, Delaware Department of Agriculture

8:35 p.m. *ADJOURN*

Session Summary:

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

Thursday, January 11, 2018

AGRONOMY/SOYBEAN SESSION EXHIBIT HALL

SESSION CHAIRS: PHILLIP SYLVESTER, SYDNEY RIGGI

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

8:00 a.m.—8:45 a.m.
Doors Open-Visit with Exhibitors

8:45 a.m.—8:50 a.m.
***Whole Farm Revenue Protection Crop
Insurance***

*Laurie Wolinski, Director, Northeast Extension Risk
Management Education Center*

8:50 a.m.—9:05 a.m.
***USDA Marketing Assistance Loans—A
Marketing and Cash Flow Tool***

*Maryann Reed, County Executive Director, Kent
County Farm Service Agency*

9:05 a.m.—9:35 a.m.
***Benefits of On-Farm Grain Storage-Grower
Panel***

Moderated by Delaware Farm Service Agency

9:35 a.m.—9:55 a.m.
Field Crops Insect Pest Management Update
*Bill Cissel, Extension Agent-Integrated Pest
Management, University of Delaware*

9:55 a.m.—10:05 a.m.
UD Extension Entomology Update
*Dr. David Owens, Extension Entomology
Specialist, University of Delaware*

10:05 a.m. *BREAK/VISIT WITH EXHIBITORS*

10:25 a.m.—11:10 a.m.
***Soil Types and Management Strategies for
Delaware Field Crops***

*Dr. Jarrod Miller, Extension Agronomy Specialist,
University of Delaware*

WEDNESDAY EVENING/THURSDAY AM

Continued on next page

Thursday, January 11, 2018

AGRONOMY/SOYBEAN SESSION EXHIBIT HALL

SESSION CHAIRS: PHILLIP SYLVESTER, SYDNEY RIGGI

11:10 a.m.—11:40 a.m.

Legal Issues with Saving Seed

*Kelly Nuckolls, Extension Legal Specialist,
Agriculture Law Education Initiative, University of
Maryland*

11:40 a.m.—12:00 p.m.

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

Jay Baxter, Delaware Soybean Board Chairman

12:00 p.m. *LUNCH IN DOVER BUILDING*
***Sponsored by the Delaware
Soybean Board***

Session Summary:

DE Pesticide Certification Credits: 2.0
MD Pesticide Certification Credits: 2.0
DE Nutrient Management Credits: .75
MD Nutrient Management Credits: 1.0
Certified Crop Advisor Credits: CM: 2.0

Thursday, January 11, 2018

AGRONOMY/SOYBEAN SESSION EXHIBIT HALL

SESSION CHAIRS: PHILLIP SYLVESTER, SYDNEY RIGGI

1:15 p.m.—2:05 p.m.

Field Crops Disease Management Update

*Dr. Alyssa Collins, Director, Southeast Agricultural
Research and Extension Center, Penn State
University*

2:05 p.m.—2:55 p.m.

***Management of Malting Barley Talk to
Enhance Yield and Quality***

*Dr. Wade Thomason, Extension Agronomy
Specialist, Virginia Tech*

2:55 p.m. BREAK/VISIT WITH EXHIBITORS

3:15 p.m.—3:45 p.m.

How to Protect Your Farm From a Cyber Attack

*Daniel Eliot, University of Delaware Office of
Economic Innovation and Partnerships, Delaware
Small Business Development Center*

3:45 p.m.—4:30 p.m.

Weed Management in Field Crops Update

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

4:30 p.m. ADJOURN

THURSDAY AM/PM

Session Summary:

DE Pesticide Certification Credits: 3.0

MD Pesticide Certification Credits: 4.0

DE Nutrient Management Credits: .50

MD Nutrient Management Credits: 1.0

Certified Crop Advisor Credits: PM: 2.0, CM: 1.0, PD: .50

Thursday, January 11, 2018

**DELAWARE URBAN FARM AND
FOOD COALITION SESSION**
SESSION CHAIR: CARRIE MURPHY

OFFSITE



The Delaware Urban Farm and Food Coalition
presents
Karen Washington, Farmer/Owner,
Rise and Root Farm, New York, New York

**The Power of Food: The Importance of
Making Food and Agriculture Systems more
Robust and Resilient through Diversity and
Inclusion**

Thursday, January 11, 2018, 6:00–8:00 p.m.
networking and refreshments starting at 5:00 p.m.
The Delaware Center for Horticulture
1810 N. DuPont Street, Wilmington, DE 19806

The Delaware Urban Farm and Food Coalition
(DEUFFC) is committed to expanding the
production, distribution, and consumption of fresh
fruits and vegetables in the greater Wilmington
area – as means to improve public health, as well
as to increase job opportunities and beautify
blighted neighborhoods.

Attend this session to network with DEUFFC
members and partners – government agencies,
nonprofits, academia, and farmers – who are
building agricultural capacity, increasing positive
social impact, and facilitating economic growth
for urban and rural residents alike.

Pre-registration is required.

To register:
<https://www.thedch.org/>

For more information, contact:
Carrie Murphy, Extension Educator,
cjmurphy@udel.edu or (302) 831-COOP



The Delaware Council of Farm Organizations



47th Delaware Agricultural Industry Dinner Dover Downs Hotel & Casino • Dover, Delaware January 11, 2018 at 5:00 p.m.

This dinner is a celebration of one of Delaware's largest industries. It is an opportunity 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
Gold ☐ \$500
Silver ☐ \$200
Bronze ☐ \$100

Platinum sponsorship includes 6 tickets to event, prime seating, and recognition at the event.

Gold, Silver, and Bronze sponsors will be prominently recognized at the event; tickets not included with these sponsorship levels.

Sponsorship deadline December 26.

REGISTRATION

EARLY BIRD DISCOUNT Register by December 22.

- ☐ Individual Ticket: \$60 Quantity: _____
☐ Group Reservation (10 seats): \$550

REGULAR RATE Register by December 27.

- ☐ 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
P.O. Box 132
Camden-Wyoming, DE 19934



THURSDAY EVENING

Delaware Horticulture Industry Expo and Annual Pesticide Conference

January 17 and 18, 2018



**Modern Maturity Center
1121 Forrest Avenue
Dover, DE 19904**

**Pre-Registration is
Required**

**Please Contact
Valann Budischak
(888) 448-1203 or
dnlainc@comcast.net**

www.dnlaonline.org



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

FEBRUARY 9, 2018
**will mark our 17th 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 8, with your choice of topic

*** Social Media * Specialty Crops**

Location:

Dover Downs Hotel & Casino
Dover, Delaware
room rates available

Registration is open:

www.extension.umd.edu/womeninag
Early Bird Pricing Available until 12/31/17

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

~ HOPE TO SEE YOU AT OUR 2018 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



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Cooperative Extension
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RUTGERS
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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 our Annie's Project or Managing for Today and Tomorrow business-focused classes!

**Join 582 other women from Delaware
and Maryland since 2008 –
Be an Annie's Project Graduate!**

2018 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 includes managing information, making critical decisions and building local networks throughout the state. The target audience is women in agriculture with a passion for business and involvement in the farm operation.

Managing for Today and Tomorrow is designed to empower women to grow their agriculture business' legacy into the future. The class will focus on succession, business, estate and retirement planning. Through this six-session program, professionals and up to date resources will be available to all participants.

Topics include:

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

Check our website, as new classes are added often!

For further information, contact:

Delaware's Annie's Project: Tracy Wooten 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 2018 CLASS ~



/MidAtlanticWomenInAgriculture

UNIVERSITY OF
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EXTENSION
Solutions in your community



UNIVERSITY OF
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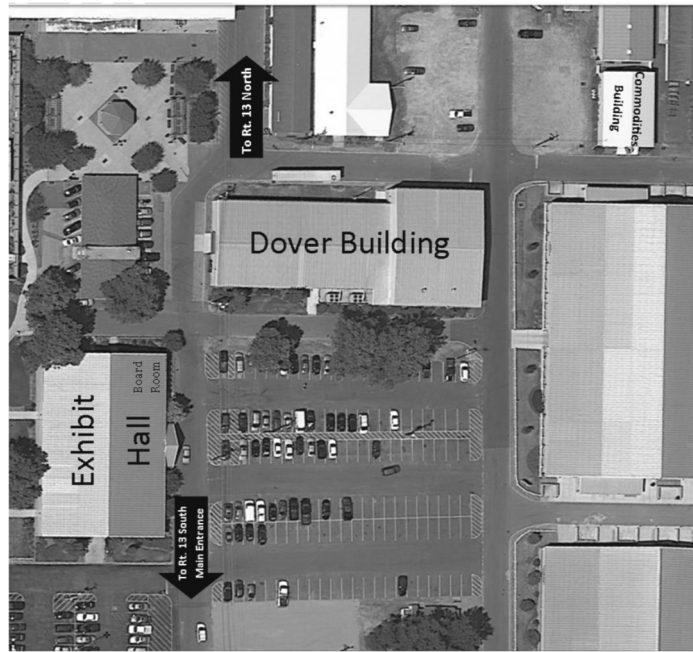
Dairy Day

**February 22, 2018
Hartly Fire Hall**

***For more
information, contact:***

**Dan Severson
(302) 831-8860
or
severson@udel.edu**

NOTES



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
644 Road 316, Harrington, DE 19952

Delaware Agriculture

A.C. Schultes of Delaware, Inc.

Advanced Motorsports Lubricants

Agri-Inject

Agrisk Management by Weller & Associates, Inc.

AgroLab Inc.

Alban CAT

Amick Farms LLC

Ashley Insurance, Inc.

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Channel

Delaware Crop Insurance Education

*Delaware Department of Agriculture-Food Products
Inspection*

Delaware Department of Agriculture-Marketing

*Delaware Department of Agriculture-Nutrient
Management Program*

Delaware Department of Agriculture-Pesticide Section

Delaware Farm Bureau

Delaware Maryland 4R Alliance

Delaware Soybean Board

Delaware State University Small Farms Program

Delmarva Poultry Industry, Inc.

DNREC Water Allocation Branch

Doebler's

Eastern Shore Poultry Services

Ecodrum Composter

Energize Delaware Farm Program

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Farmsite Technologies

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FMC

Fulton Bank

Greener Solutions LLC

Growers Mineral Solutions

Growmark FS, LLC

Hoffman Irrigation

Hoover, Inc.

Hubner Seed

Independent Ag Equipment

JS Knotts, Inc.

King Crop Insurance Inc.

Week Exhibitors

Kube Pak Growers
Laurel Farmers Auction Market
Law Office of Kenneth G. Walsh
LEADelaware
Lee Rain Inc.
M & T Bank
Marydel Ag Supply
Maryland Food Bank
Mid-Atlantic Soybean Assn.
Miller Chemical and Fertilizer, LLC
Nagel Crop Insurance
O.A. Newton
Paradise Energy Solutions
Perdue AgriBusiness LLC
Perdue Foods
PNC Bank
PondHawk by LINNE Industries
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Professional Leasing, Inc.
Schaeffer's Oil
Siegers Seed Co.
SMW Sales, LLC
Southern States Milford Co-op., Inc.
Steele Irrigation
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Sussex Irrigation
Syngenta
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The Delmarva Farmer
The IR-4 Project
The Quality Deer Management Association Delaware Branch
Tidewater Seed LLC
Tri Gas & Oil
Tucker Mechanical Service, Inc.
USDA Natural Resources Conservation Service (NRCS)
USDA/NASS
USDA-Farm Service Agency
Vincent Farms/Shore Drip Irrigation
Walls Irrigation, Inc.

Delaware Agriculture

PLATINUM

Delaware Soybean Board

Tucker Mechanical
Service, Inc.

GOLD

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Conservation Service

USDA Poultry Respiratory
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Agriculture Project
(PRD CAP)

Zimmatic

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AgroLab Inc.

Alban CAT

Ecodrum Composter

FMC

Marydel Ag Supply

NR Hudson Consulting

Sunrise Solar Inc.

Syngenta



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Georgetown, DE 19947-9575