

FRUIT SESSION **ONLINE**
Fruit & Vegetable Growers Association of Delaware
Monday, January 11, 2021

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

6:00-6:30 p.m.

Strawberry Renovation and Carryover

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

6:30-7:00 p.m.

USDA Strawberry Breeding

Dr. Kim Lewers, Research Geneticist, USDA-ARS

7:00-7:30 p.m.

Disease Management in Strawberries

Dr. Mark Hoffman, Small Fruits Extension Specialist and Assistant Professor, North Carolina State University

7:30-8:00 p.m.

Robotics and Ultraviolet Light - The Progress and Future of Non-Chemical Treatments

Adam Stager, Founder/CEO TRIC Robotics LLC

8:00-8:30 p.m.

High Tunnel Berry Production Niches, Challenges, and Solutions

Kathy Demchak, Senior Extension Associate, Penn State University

8:30-9:00 p.m.

Insect Management in Small Fruit and Tree Fruit

Dr. David Owens, Extension Entomologist, University of Delaware

9:00 p.m. ADJOURN

Fruit Session Credits:

DE Pesticide Certification Credits: 2

MD Pesticide Certification Credits: 6

DE Nutrient Management Credits: 0

MD Nutrient Management Credits: 0

Certified Crop Advisor Credits: CM:1.5 PM:1.5

PRODUCE FOOD SAFETY, ONLINE
EXTREME WEATHER AND LABOR SESSION
Fruit & Vegetable Growers Association of Delaware
Tuesday, January 12, 2021

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

9:00-9:30 a.m.

Produce Food Safety Regulatory Updates, Food Safety Outreach

Delaware Department of Agriculture and University of Delaware

9:30-10:00 a.m.

Moving Forward in the Era of COVID; Recent Produce Food Borne Illness Outbreaks

Dr. Kali Kniel, University of Delaware

10:00-10:30 a.m.

Climate Trends

Kevin Brinson, Director, Delaware Center for Environmental Monitoring & Analysis

10:30-11:00 a.m.

Weather Extremes and the Vegetable and Fruit Industry

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

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

11:00-11:30 a.m.

Climate and Extreme Weather Adaptation Roundtable

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

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

James Adkins, Irrigation Engineer, University of Delaware

Dr. Jarrod Miller, Extension Agronomist, University of Delaware

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

Dave Marvel Jr., FVGAD President

11:30 a.m. -12:00 noon

Labor Issues Roundtable

Kenny Bounds, Delaware Deputy Secretary of Agriculture

Delaware Department of Labor

Dave Marvel Jr., FVGAD President

12:00 p.m. ADJOURN

Food Safety, Extreme Weather & Labor Session Credits:

DE Pesticide Certification Credits: 1

MD Pesticide Certification Credits: 6

DE Nutrient Management Credits: 0.5

MD Nutrient Management Credits: 0.5

Certified Crop Advisor Credits: PD: 1.5 SW:1.5

FRESH MARKET SESSION **ONLINE**
Fruit & Vegetable Growers Association of Delaware
Wednesday, January 13, 2021

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

9:00-9:30 a.m.

Research Update - Watermelon, Tomato, Broccoli, Particle Film

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

9:30-10:00 a.m.

Research Updates on Cauliflower, Specialty Melons, and Shade Cloth

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

10:00-10:30 a.m.

Vegetable Disease Updates

Dr. Andy Wyenandt, Extension Specialist in Vegetable Pathology, Rutgers

10:30-11:00 a.m.

Insect Updates on Watermelon, Sweet Corn, Tomato, Cabbage, Kale

Dr. David Owens, Extension Entomologist, University of Delaware

11:00-11:30 a.m.

Update on Weed Management for Fresh Market Vegetables

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

11:30 a.m.-12:00 noon

High Tunnel Projects at DSU

Dr. Rose Ogutu, Horticulture Specialist, Delaware State University

Fresh Market Session Credits:

DE Pesticide Certification Credits: 2

MD Pesticide Certification Credits: 6

DE Nutrient Management Credits: 1.5

MD Nutrient Management Credits: 1.5

Certified Crop Advisor Credits: CM:1.5 PM:1.5

PROCESSING VEGETABLE SESSION ONLINE
Fruit & Vegetable Growers Association of Delaware
Thursday, January 14, 2021

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

9:00-9:30 a.m.

Research Updates and Variety Trials in Peas, Lima Beans and Snap Beans

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

9:30-10:00 a.m.

Research Update on Pickling Cucumbers; New and Re-Emerging Processing Vegetables Project

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

10:00-10:30 a.m.

Snap Bean Weed Survey and Weed Control Updates

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

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

10:30-11:00 a.m.

Insect Management in Processing Vegetables

Dr. David Owens, Extension Entomologist, University of Delaware

11:00-11:30 a.m.

More Than Meets the Eye: Soilborne Diseases in Processing Vegetables

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

11:30 a.m.-12:00 noon

COVID-19 in 2021

Dr. Kali Kniel, University of Delaware

Processing Vegetable Session Credits:

DE Pesticide Certification Credits: 2

MD Pesticide Certification Credits: 6

DE Nutrient Management Credits: 1.0

MD Nutrient Management Credits: 1.0

Certified Crop Advisor Credits: CM:1.0 PM:1.5 PD:0.5

PRODUCE SAFETY ALLIANCE ONLINE/HYBRID
GROWER TRAINING
Friday, January 15, 2021

Hybrid with Online and DDA Conference Room Viewing

Who Should Attend PSA Grower Training?

Fruit and vegetable growers and others interested in learning about produce safety, Good Agricultural Practices (GAPs), and the Food Safety Modernization Act (FSMA) Produce Safety Rule. The Produce Safety Alliance Grower Training Course is one way to satisfy the FSMA Produce Safety Rule requirement outlined in § 112.22(c) of the federal regulations which requires ‘At least one supervisor from the farm must complete food safety training at least equivalent to the standardized curriculum recognized by the FDA’.

At this time, every farm covered under the Produce Safety Rule, (over \$25,000 in average annual produce sales) is required to be in compliance with the federal regulations. If you fall within the previously mentioned sales category and have not taken the training course, you are currently out of compliance.

If you are unsure if your facility is subject to the Produce Safety Rule*, please contact the Produce Safety Rule Team at DE.ProduceSafety@delaware.gov or 302-698-4540.

What to Expect at the PSA Grower Training Course:

The trainers will spend approximately seven hours of instruction time to cover content contained in these seven modules:

Introduction to Produce Safety
Worker Health, Hygiene, and Training;
Soil Amendments
Wildlife, Domesticated Animals, and Land Use
Agricultural Water (Part I: Production Water; Part II: Postharvest Water)
Postharvest Handling and Sanitation

In addition to learning about produce safety best practices, parts of the FSMA Produce Safety Rule requirements are outlined within each module. There will be time for questions and discussion, so participants should come prepared to share their experiences and produce safety questions.

This one-day course will provide a foundation of Good Agricultural Practices (GAPs), FSMA Produce Safety Rule requirements, and information on how to develop a farm food safety plan. Individuals who participate in this course are expected to gain a basic understanding of microorganisms relevant to produce safety and where they may be found on the farm, how to identify microbial risks, practices that reduce risks, how to begin implementing produce safety practices on the farm, and parts of a farm food safety plan and the first steps that should be taken to begin writing one. There will also be updates on produce food safety research and findings, as well as information on On-Farm Readiness Reviews and how to sign up for one.

After attending the entire course, participants will be eligible to receive a certificate from the Association of Food and Drug Officials (AFDO) that verifies they have completed the training course. To receive an AFDO certificate*, a participant must be present for the entire training and submit the appropriate paperwork.

For more information please contact Anna Wicks at Anna.Wicks@delaware.gov or Gordon Johnson at gcjohn@udel.edu.
