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PRE-REGISTRATION IS REQUIRED - REGISTER ONLINE AT:

<https://events.anr.msu.edu/2019WinterPSA/>

For technical assistance contact ANR Event Services at:

events@anr.msu.edu or 517-884-7089

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Accommodations for persons with disabilities may be requested by contacting Phil Tocco at 517-788-4292 two weeks prior to the event to make arrangements. Requests received after this date will be fulfilled when possible.

Produce Safety
ALLIANCE

**GROWER
TRAINING**

FSMA Certification

Included

WINTER 2019

Pre-Registration

REQUIRED





The PSA Grower Training Course is one way to satisfy the Food Safety Modernization Act (FSMA) Produce Safety Rule requirement outlined in

§112.22(c) that requires, 'At least one supervisor or responsible party for your farm must have successfully completed food safety training at least equivalent to that received under standardized curriculum recognized as adequate by the Food and Drug Administration.'

The course will provide a foundation of Good Agricultural Practices (GAPs) and FSMA Produce Safety Rule requirements, and details on how to develop a farm food safety plan. 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 to their trainer at the end of the course. Additional Grower Produce Safety Training sessions will be scheduled in the fall, as well as, in future years. Consult the MSU Extension website, www.msue.msu.edu, or subscribe to the MSU Extension Newsletter for event announcements.

DATES AND LOCATIONS

Jan 9th - Adrian, MI
 Lenawee County Extension
 1040 S Winter St. #2020, Adrian, MI
 49221

Jan 17th - Traverse City, MI
 NW MI Horticulture Research Station
 6686 S. Center Highway Traverse City, MI
 49684

* This training will run from 10am-5pm

Jan 31st - Grand Rapids, MI
 Kent County Extension
 775 Ball Avenue NE Grand Rapids, MI
 49503

Feb 5th - Benton Harbor, MI
 Berrien County Extension
 1737 Hillandale Rd, Benton Harbor, MI
 49022

Feb 8th—Kalamazoo, MI
 KVCC Food Innovation Center
 224 E. Crosstown Kalamazoo, MI 49001
 *This training coincides with the Michigan Family Farms Conference.

AGENDA

Day-long Course Schedule: (subject to change)

- 9:00 am** Registration
- 9:30 am** Introduction to Produce Safety
 - Worker Health and Hygiene Training
 - Soil Amendments
 - Wildlife, Domestic Animals & Land Use
- 12:00 pm** Lunch on your own
- 1:15 pm**
 - Production Water
 - Postharvest Water
 - Postharvest Handling and Sanitation
 - How to Develop a Farm Food Safety Plan
- 3:45 pm** Evaluation and final questions

FOR MORE INFORMATION OR TO

ENROLL ONLINE:

[https://
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REGISTER AND BOOK YOUR HOTEL BY JAN. 8th TO RECEIVE THE DISCOUNTED ROOM RATE!

MDARD pesticide applicator recertification credits for private and 1C commercial applicators and certified crop advisor credits will be available.

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COURSE COORDINATORS:

Emily Pochubay (pochubay@msu.edu)

Dr. Nikki Rothwell (rothwell3@msu.edu)

Ph: 231-946-1510

2019 TREE FRUIT MANAGEMENT SCHOOL



MSU EXTENSION



FEBRUARY 12-14, 2019

GREAT WOLF LODGE
TRAVERSE CITY, MI



We are pleased to feature three guest speakers! Dr. Duane Greene, University of Massachusetts, will discuss the use of plant growth regulators. Dr. Danielle Kirkpatrick, USDA ARS, will speak on novel research of invasive pests that threaten tree fruit. Lastly, Dr. Kerik Cox, Cornell University, will present new information on SDHI fungicide resistance and unique management strategies for apple pathogens.

Registration and Lodging

Registration (\$130/person) includes two breakfasts, two lunches, break refreshments, course materials, and classroom facilities. *Dinner and lodging are on your own.*

Lodging: Discounted rates (\$99+tax/night) are available at the Great Wolf Lodge.

3575 N US Highway 31 S
 Traverse City, MI 49684
 1-866-962-9653

Book a room online or by phone by Jan 8th and use code: 1902MSUF to receive the discounted rate.

ADDITIONAL TOPICS

- Cherry crop load management using plant growth regulators (PGRs)
- Tart cherry training systems and rootstocks for high-density orchard systems
- MSU rootstocks for sweet and tart cherries
- PGRs to manage bitter pit, improve apple quality and storage
- New apple thinning strategies
- Modern tree fruit strains, varieties, and rootstocks

HORTICULTURE

- Spotted wing drosophila: *headway on traditional and alternative management in stone fruit*
- Brown marmorated stink bug: *biological control, biology, monitoring, and management*
- Spotted lanternfly: *an invasive on the horizon*
- San Jose scale: *resurgence and mating disruption*
- Black stem borer: *research efficacy update*
- Codling moth: *sterile insect release*

ENTOMOLOGY

- Phages: *new control possibilities for bacterial canker and fire blight*
- Fire Blight: *Apogee for blossom blight and resistance management*
- Bitter rot: *pre-and post harvest considerations for apple bitter rot*
- Armillaria: *the quest for resistant stone fruit rootstocks and alternative control measures*
- Cherry leaf spot: *management of the future*

PATHOLOGY

- Is top-working right for you?
- Effects of nutrients on winter hardiness
- Future Enviroweather models and tools
- Optimizing spray application technology
- 7th Tree Fruit Pub Quiz: Bring your tree fruit knowledge to compete for the title!

SPECIAL TOPICS

REGISTRATION

Please register for the 2019 Tree Fruit Management School by January 8, 2019.

Regular registration cost per person: \$130

Register by mail

Send this completed registration form and a check to:

Attn: Jenn Zelinski
 NW MI Horticultural Research Center
 6686 S. Center Hwy.
 Traverse City, MI 49684

Make check payable to MICHIGAN STATE UNIVERSITY

Register by phone

Call Jenn Zelinski at 231-946-1510 to pay with a credit card.

Please print clearly:

Name: _____

Phone: _____

E-mail: _____

Do you have any dietary restrictions? _____

Questions? Contact: Jenn Zelinski or Emily Pochubay at 231-946-1510 or goodr100@msu.edu