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**REGISTER AND
BOOK YOUR HOTEL
BY JAN. 18th 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.

MSU is an affirmative action/equal opportunity institution. MSU Extension programs are open to all without regard to race, color, national origin, gender, gender identity, religion, age, height, weight, disability, political beliefs, sexual orientation, marital status, family status, or veteran status.

COURSE COORDINATORS:

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2019 TREE FRUIT MANAGEMENT SCHOOL



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 18th and use code: 1902MSUF to receive the discounted rate.

ADDITIONAL TOPICS

HORTICULTURE

- 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

ENTOMOLOGY

- 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*

PATHOLOGY

- 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*

SPECIAL TOPICS

- 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!

REGISTRATION

Please register for the 2019 Tree Fruit Management School by January 18, 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