

Tree Fruit Management School Day 1: Agenda

February 12, 2019

Venue: Great Wolf Lodge, 3575 N US Highway 31 S, Traverse City, MI 49684

Ph: 1-866-478-9653

Horticulture

- 8:45 – 9:45 Registration Opens: *Morning refreshments available*
- 9:45 – 10:00 *Welcome and Program Overview*
Emily Pochubay, MSU Extension
- 10:00 – 10:30 *PGRs impact on tree growth and fruit quality*
Phil Schwallier, MSU Extension
- 10:30 – 11:00 *PBRs to improve quality of apples*
Dr. Duane Greene, University of Massachusetts
- 11:00 – 11:30 *Using the pollen tube growth model to optimize thinning strategies*
Phil Schwallier, MSU Extension
- 11:30 – 12:00 *Precision thinning and crop load management*
Dr. Duane Greene, University of Massachusetts
- 12:00 – 12:10 ***Meet your sponsor: Nutrien Ag Solutions***
- 12:10 – 1:00 Lunch
- 1:00 – 1:20 *Winter injury – the extension educators answer to everything*
Amy Irish-Brown, MSU Extension
- 1:20– 1:45 *Establishing new tree fruit orchards with container-produced nursery trees*
Dr. Todd Einhorn, Dept. of Horticulture, MSU
- 1:45– 2:10 *Is top-working right for you?*
Amy Irish-Brown, MSU Extension
- 2:10 – 2:20 ***Meet your sponsor: BASF***
- 2:20 – 2:35 Break

- 2:35 – 2:45 *Meet your sponsor: Fine Americas*
- 2:45 – 3:10 *Tart cherry training systems and rootstocks for high-density orchards*
Dr. Nikki Rothwell, MSU Extension
- 3:10 – 3:40 *Update on the MSU dwarfing cherry rootstocks*
Dr. Amy Iezzoni, Department of Horticulture, MSU
- 3:40 - 4:10 *New cherry varieties and propagation methods*
Wanda Heuser, International Plant Management
- 4:10 – 4:35 *Apple varieties that compete with Michigan*
Phil Schwallier, MSU Extension
- 4:35 – 5:00 *MSU Enviroweather – Management tools for tree fruit growers*
Dr. Keith Mason, Department of Geography, Environment, and Spatial
Sciences, MSU
- Fill out pesticide recertification and certified crop advisor sheets

Dinner is on your own.

Tree Fruit IPM School Day 2: Agenda

February 13, 2019

Venue: Great Wolf Lodge, 3575 N US Highway 31 S, Traverse City, MI 49684

Ph: 1-866-478-9653

7:30 – 8:30 Breakfast

Entomology

8:30 *Welcome – Day 2 Overview*
Emily Pochubay, MSU Extension

8:40 – 9:05 *Progress toward developing an SWD IPM model*
Dr. Nikki Rothwell, MSU Extension and AgBioResearch

9:05 – 9:30 *Rainfastness attributes of insecticides for control of SWD in cherries*
Dr. John Wise, Department of Entomology, MSU

9:30 – 10:00 *Research update on two key invasive fruit pests: BMSB and SWD*
Dr. Danielle Kirkpatrick, USDA ARS

10:00 – 10:10 ***Meet your sponsor: Michigan Tree Fruit Commission***

10:10 – 10:30 Break

10:30 – 10:55 *BMSB trapping and opportunities for biological control*
Dr. John Pote, Department of Entomology, MSU

10:55 – 11:15 *Spotted lantern fly: an invasive on the horizon*
Dr. Danielle Kirkpatrick, USDA ARS

11:15 – 11:35 *Novel ways to reduce black stem borer damage*
Dr. Larry Gut, Department of Entomology, MSU

11:35 – 12:00 *Sterile insect release: a new tool for codling moth control in Michigan*
Dr. Chris Adams, Department of Entomology, MSU

12:00 – 12:10 ***Meet your sponsor: Wilbur-Ellis***

12:10 – 1:10 Lunch

- 1:10 – 1:20 ***Meet your sponsor: Bayer Crop Sciences***
- 1:20 – 1:45 *Opportunities for mating disruption of San Jose scale*
Dr. Larry Gut, Department of Entomology, MSU
- Pathology***
- 1:45 – 2:10 *Cherry leaf spot management in the age of resistance*
Cory Outwater, Department of Plant, Soil, and Microbial Sciences, MSU
- 2:10– 2:40 *Understanding SDHI fungicide resistance in apple scab*
Dr. Kerik Cox, Cornell University
- 2:40 – 3:00 Break
- 3:00– 3:10 ***Meet your sponsor: Syngenta***
- 3:10– 3:40 *New and upcoming methods for bacterial disease management*
Dr. George Sundin, Department of Plant, Soil, and Microbial Sciences,
MSU
- 3:40 – 4:10 *A new fire blight management approach using Apogee*
Dr. Kerik Cox, Cornell University
- Fill out survey, pesticide recertification and certified crop advisor sheets
- 4:15 – 5:30 *Happy Hour and Tree Fruit School Trivia Social Event*

Dinner is on your own.

Tree Fruit IPM School Day 3 (half day): Agenda

February 14, 2019

Venue: Great Wolf Lodge, 3575 N US Highway 31 S, Traverse City, MI 49684

Ph: 1-866-478-9653

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| 7:30 - 8:30 | Breakfast |
| 8:30 | <i>Welcome – Day 3 Overview</i>
Emily Pochubay, MSU Extension |
| 8:40 – 9:10 | <i>Screening Prunus Species to Find Sources of Resistance to Armillaria Root Rot</i>
Dr. Pratima Devkota, Department of Plant, Soil, and Microbial Sciences, MSU |
| 9:10 – 9:40 | <i>Preventing disease while minimizing harm to pollinators during bloom</i>
Dr. Julianna Wilson, Department of Entomology, MSU |
| 9:40 – 10:10 | <i>Farm business management: telfarm and cost of production assistance</i>
Dan Ochs, MSU Extension |
| 10:10 – 10:30 | Break |
| 10:30 – 10:50 | <i>MAEAP tips on pesticide storage and handling</i>
Lauren Silver, MAEAP
Parker Ameel, MAEAP |
| 10:50 – 11:20 | <i>Sprayer optimization and alternative pesticide delivery systems</i>
Dr. Matt Grieshop, Department of Entomology, MSU |
| 11:20 – 11:50 | <i>Sprayer airflow adjustment demonstration</i>
Dr. Matt Grieshop, Department of Entomology, MSU |
| 11:50 | Finish survey, fill out pesticide recertification credit and certified crop advisor sheets |

Lunch is on your own. Have a safe trip home!