

# Schedule of Events

## SUNDAY, FEBRUARY 9

6:00 PM **Welcome Reception Hosted by Young Professionals**  
*Amway Grand Plaza Hotel*

## MONDAY, FEBRUARY 10

### **Morning Session: *Precision Canopy Development and Training***

**8:00 AM to 12:20 PM** *Amway Grand Plaza Hotel*

8:00 AM **Welcome**  
*Wanda Heuser-Gale, International Plant Management*

8:10 **Wallace Heuser Presidential Lecture**  
**Current Trends in Italian Orchard Design and Management**  
*Luca Corelli-Grappadelli, University of Bologna, Italy*

8:55 **Development of Intensive Precision Orchards for Apples and Pears**  
*Ken Breen, Plant and Food Research, Havelock North, New Zealand*

9:25 **Advances in Precision Orchard Development for Sweet Cherries**  
*Greg Lang, Michigan State University*

9:55 **Break**

10:15 **The Continuing Evolution of Apple Training Systems**  
*Terence Robinson, Cornell University*

10:45 **Advances in Precision Orchard Development for Peaches**  
*Luis Asin, Institute of Agrifood Research & Technology (IRTA), Lleida, Spain*

11:15 **Advances in Precision Orchard Development for Pears**  
*Todd Einhorn, Michigan State University*

11:45 **Grower Panel: Experiences with Precision Orchard Training Systems**  
*Moderator: Amy Irish Brown, Michigan State University*

12:20 **Morning Wrap-Up**  
*Amy Irish Brown, Michigan State University*

12:30 **Lunch**



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# Schedule of Events

MONDAY, FEBRUARY 10 (CONT.)

## Afternoon Session : *Precision Orchard Management and Harvest Efficiency*

*1:30PM to 5:05 PM Amway Grand Plaza Hotel*

- 1:30            **Optimizing Establishment of New Orchards: Pros and Cons of Planting Potted Nursery Trees**  
Todd Einhorn, Michigan State University
- 2:00            **Digitizing Orchard Management – Environmental Data and Useful Models**  
David Brown, Washington State University
- 2:30            **Water Management Tools for Precision Irrigation/Nutrition**  
Aylin Moreno, McDougall & Sons, Washington
- 3:00            **Break**
- 3:30            **Quantifying Canopy Shape with Computer Vision**  
Amy Tabb, USDA/Kearneysville
- 4:00            **Two Robots and a Cyclone—the Washington Mechanized Harvest Experience**  
Jeff Cleveringa, Oneonta Starr Ranch Growers, Washington
- 4:30            **150 Years of Failed Progress in Bitter Pit Management**  
Randy Beaudry, Michigan State University
- 5:00            **Afternoon Wrap-Up**
- 6:00            **Women's Network Dinner**  
Ticketed Event

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## TUESDAY, FEBRUARY 11

- 7:15 AM to 5:30 PM      **Orchard Tours**  
MSU Clarksville Research Center, Twin Bee Orchards, MSU Ridge Apple Lab, Rasch Family Orchards, Windy Ridge Orchards, Dietrich Orchards, Thome Orchards  
*Buses begin boarding at 7:15 and leave promptly at 7:30*
- 6:30 PM to 9:30PM      **Social Event 2020: A Taste of Grand Rapids**  
Grand Rapids Public Museum (5 min walk from hotel)

## WEDNESDAY, FEBRUARY 12

### **Morning Session: *Precision Fruit Growth and Crop Load Management***

**8:00 AM to 12:00 PM Amway Grand Plaza Hotel**

- 8:00      **Welcome**  
Jim Engelsma, Nutrien Ag Solutions, Michigan
- 8:05      **Apple Flowering and Fruit Set: Environment, Floral Intensity, and Bud Numbers**  
Ken Breen, Plant and Food Research, Havelock North, New Zealand
- 8:30      **Apple Floral Bud Development, Thinning and Return Bloom**  
Polianna Francescato, Valent Biosciences, Illinois
- 8:55      **Precision Fruit Growing Based on Peach Growth Physiology**  
Luca Corelli-Grappadelli, University of Bologna, Italy
- 9:20      **Apple Blossom Thinning (Pollen Tube Growth Model)**  
Phil Schwallier, Michigan State University Extension
- 9:45      **Advances in Precision Apple Thinning**  
Terence Robinson, Cornell University
- 10:10      **Break**
- 10:30      **Grower Panel: Experiences with Precision Cropping**  
Moderator: Amanda Green, Ontario Ministry of Ag, Food & Rural Affairs
- 11:30      **Morning Wrap-Up**  
Todd Einhorn, Michigan State University

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# Schedule of Events

WEDNESDAY, FEBRUARY 12 (CONT.)

11:40 **IFTA Business Meeting**  
*Officer and Board Elections, Awards, Upcoming IFTA Educational Events*  
*Lisa Jenereaux, President and Wanda Heuser-Gale, Board Member*

12:00 **Lunch**

## **Afternoon Session: *Precision Orchard Management with Plant Growth Regulators***

*1:00 PM to 5:00 PM Amway Grand Plaza Hotel*

1:00	<b><u>Robert Carlson Memorial Lecture</u></b> <b>PGRs</b> <i>Luis Asin, Institute of Agrifood Research &amp; Technology (IRTA), Barcelona, Spain</i>
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1:45 **The Problems with PGR Use in Apple and Cherry Production**  
*Suzanne Bishop, Allan Bros, Orchards*

2:10 **PGRs for Precision Branching and Other Aspects of Growth**  
*Byron Phillips, Wilbur Ellis, Washington*

2:40 **PGR Mitigation of Gala Stem-end Splitting**  
*Tom Kon, North Carolina State University*

3:10 **Break**

3:30 **Prohexadione-Ca for Fireblight Control, Eastern Experiences**  
*Anna Wallis, Cornell University*

3:50 **Advances in Fireblight Control**  
*George Sundin, Michigan State University*

4:20 **Conference Perspectives**  
*Moderator: Jen Baugher, Adams County Nursery*

4:55 **Upcoming IFTA Study Tours and Conference**  
*Jeff Cleveringa,*

5:05 **Conference Wrap-Up**  
*Phil Schwallier, Michigan State University*  
*Wanda Heuser-Gale, International Plant Management*

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