

2023 NC140 Annual Meeting - Preliminary Agenda

Co-Chairs: Greg Lang (517) 256-7785
Todd Einhorn (503) 593-7005

Location: Holland, MI **Dates:** Tuesday-Thursday Nov 7-9, 2023
Primary Lodging: Haworth Hotel at Hope College, 225 College Ave, Holland, MI
Secondary Lodging: Courtyard by Marriott Hotel, 121 East 8th St., Holland, MI (1 block north)

Zoom link: <https://msu.zoom.us/j/96133795293> (Tuesday morning only, 8:45-10:45)
Meeting I.D. 961 3379 5293
Passcode: NC140Roots

Monday Nov 6 Forecast: High 60F, Low 45F, morning windy w/light rain ending ~1 pm

Participant arrivals

Airport shuttles from Grand Rapids Airport (GRR) to Haworth Hotel/Conference Center, Holland

Dinner on own (many walkable restaurants, brewpubs, etc. in Holland, a quaint college town)

Tuesday Nov 7 Forecast: High 50F, Low 38F, mostly cloudy, light winds

Meeting Location: MSU Clarksville Research Center, 9302 Portland Rd, Clarksville, MI

7:30 Meet in Haworth Hotel lobby

7:45 Depart Haworth Hotel by bus for MSU Clarksville Research Center
Registrations on bus

8:45 Arrive MSU-Clarksville Research Center (continental breakfast items/beverages)

9:00 Administrative business (Zoom link active):

- Welcome and participant introductions
- Agenda updates and approval, 2022 meeting minutes approval
- Advisory comments, Carolyn Lawrence-Dill, Administrative Advisor (Zoom)
- Review of NC140 Project Goal, Objectives and Timeline (Oct 2022-Sept 2027):

Goal: to improve the competitive stance of the North American tree fruit industry.

1) To evaluate the influence of rootstocks on vegetative and reproductive growth and development of temperate-zone fruit trees, orchard productivity and labor efficiency, and sustainable orchard management practices across diverse soils and climatic regions.

2) To develop and/or acquire genetically-improved temperate-zone fruit tree rootstocks from global breeding and selection efforts.

3) To investigate the influence of rootstocks on physiological processes and resilience to biotic and abiotic stresses.

4) To accelerate adoption of new rootstocks by improving propagation and nursery tree development techniques to provide growers with trees suitable for new orchard systems and precocious production.

5) To integrate and disseminate research-based information and decision support tools that facilitate successful stakeholder adoption of rootstock technologies.

- Approval of new members
- Introduction of Miranda Haus, MSU root biology scientist (Zoom)
- Future meetings: 2024 (New Mexico?), 2025 (Vermont?), 2026 (Georgia?)
(GLFW in ON, Nov 4-8 or 18-22; Kathryn, Erika, Jason)
- NC140 website report (Jon Clements, Win Cowgill) (Objective 5)

10:30 Break

10:45 New and Future Coordinated Trials (Objectives 1-3)

- 2023 Cider Apple Rootstocks – Greg Peck
- 2024 Peach Rootstock/Training Systems – Ioannis Minas
- 2025 Apple Rootstock/Decline/Cold Hardiness – Jason Londo/Jon Clements/Lee Kalcsits
- 20xx Cherry Rootstocks – Brent Black/Kelsey Galimba?
- 20xx Apricot Rootstocks – Kathryn Carter?
- New Geneva apple rootstocks update – Gennaro Fazio
- Others?

12:15 Lunch (pizza and salad, Michigan Farmhouse Pizza, catered)

1:00 New and Future Research Trials and Collaborations (Objectives 1-3)

- NC140 pathology trials, microbiome-genome studies - Kristi MacCready/George Sundin
- Others? (breakout groups for planning, if necessary)

2:00 MSU Clarksville Research orchard tours Forecast: 50F (feels like 48F)

- various apple rootstock and training system trials (Todd Einhorn)
- 2022 NC140 pear rootstock trial (Todd Einhorn)
- apple cider trials (Steve van Nocker)
- sweet cherry training system trials (Greg Lang)
- 2019 NC140 sweet cherry rootstock trial (Greg Lang)
- peach and plum canopy architecture trials (Courtney Hollender)

4:30 New and Future Research Trials and Collaborations

- Research related to Objective 4 (Propagation and Nursery Tree Development)
- Others? (breakout groups for planning, if necessary)

5:45 Board bus for return to Holland

~6:45 pm Arrive back in Holland, dinner on own

Wednesday Nov 8 Forecast: High 57F, Low 46F, light showers 9-12, 4-9, moderate wind
Meeting Location: MSU Southwest Research Center, 1791 Hillandale Rd, Benton Harbor, MI

- 7:30 Meet in Haworth Hotel lobby
- 7:45 Depart Haworth Hotel by bus for MSU Southwest Research Center
(joint travel with USDA-Armillaria project meeting participants)
- 8:45 Arrive MSU-Southwest Research Center (continental breakfast items/beverages)
- 9:00 *Business meetings (NC140 and Armillaria in separate conference rooms)*
Previous and Current Rootstock Trial Updates
- 2010 Sweet Cherry Rootstock & Training Systems trial – Greg Lang
 - 2013 Pear Training/Rootstock trial - Todd Einhorn
 - 2014 Honeycrisp and Fuji Apple Rootstock trial – John Cline
 - 2015 Organic Apple Rootstock trial – Terry Bradshaw
 - 2017 Peach Rootstock trial – Ioannis Minas
 - 2017 Tart Cherry Rootstock trial – Greg Lang
 - 2017 Sweet Cherry Rootstock trial – Greg Lang
 - 2019 Buckeye Gala Apple Rootstock trial - Todd Einhorn
 - 2022 Pear/Quince Rootstock trial – Todd Einhorn
- 10:30 Break
- 10:45 State Reports
- 12:30 Joint group lunch (Mexican taco bar, La Perla Produce, catered)
- 1:15 Joint group research orchard tours Forecast: 56-57F (feels like 54-56F)
- peach palmette training trials (Bill Shane)
 - North Dakota peach rootstock trial (Bill Shane)
 - 2017 NC140 Tart Cherry Rootstock trial (Greg Lang, Amy Iezzoni)
 - 2017 Nectarine Multi-leader Systems trial (Greg Lang)
 - 2017 NC140 Peach Rootstock Trial (Greg Lang)
- 3:15 Break
- 3:45 State Reports (continued)
- 6:00 Joint group dinner (Italian, Papa Vino's, catered)
Review Thursday shuttle schedule
- 7:30 Board bus for return to Holland
- ~8:30 pm Arrive back in Holland

Thursday Nov 9 **Forecast: High 49F, Low 41F, morning windy w/light rain ending ~1 pm**
Meeting Location: Haworth Hotel & Conference Center, 225 College Ave, Holland, MI

7:00 Hot breakfast buffet, Haworth Hotel (Room 104)
(jointly between NC140 and Armillaria groups)

8:00 NC140 Business Meeting (Conference Room 136/144)
Armillaria Business Meeting (Conference Room 156-158)
State Reports (continued)

10:15 Break

10:30 State Reports finish and meeting wrap-up

12:00 Joint group lunch (Greek, catered, Room 104)

Departures for Grand Rapids Airport (tentative, based on participant flight times):

10:00 am

11:45 am

12:30 pm

1:30 pm

2:30 pm

4:20 pm