

About the Mountain Horticultural Crops Research and Extension Center

The Mountain Horticultural Crops Research and Extension Center opened on 14 acres in 1949. A new administrative and laboratory building was built in 1987, and the Center has grown to 397 acres. The Center is home to research and extension faculty and staff from six academic departments of NC State's College of Agriculture and Life Sciences and College of Natural Resources. The Science House's Mountain Satellite Office and N.C. Cooperative Extension's District Office are housed here.

The growth and development of the Center is based on the success of its faculty and staff as leaders in laboratory, greenhouse and field studies vitally important to Western North Carolina's agricultural economy. Located in the Southern Appalachians' French Broad River basin at a base elevation of 2,069 feet, the MHCREC has a varied topography and climate conducive to crop research and evaluation of cultural practices of the region. The Center's core research areas are apples, tomatoes and ornamentals. Additional research efforts include bioenergy crops, corn, hops, peaches, vegetables, soybeans, and other specialty and alternative crops.

Pesticides Credits will be available for today's field day. Please see Craig Mauney or Jessica Edney for more information.

About the College of Agriculture and Life Sciences

The College of Agriculture and Life Sciences educates students through its Office of Academic Programs, seeks new knowledge through its research division, the North Carolina Agricultural Research Service, and extends educational programs throughout the state through NC Cooperative Extension.

Our strong relationships with our many partners enhance the quality and productivity of our research, teaching and extension programs.

We extend our appreciation to all our field day partners and participants.

Learn more at cals.ncsu.edu



PRESENTED BY:

- **NC State University's College of Agriculture and Life Sciences**
 - N.C. Agricultural Research Service
 - N.C. Agricultural Foundation, Inc.
 - NC Cooperative Extension
- **N.C. Department of Agriculture and Consumer Services**

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2022

Apple Field Day

July 28, 2022 | 4:00 PM - 7:00 PM
Mountain Horticultural Crops
Research and Extension Center,
Mills River, NC



Event Schedule:

> Registration and Vendor Trade Show

> Welcome and Tour Instructions

Jeff Chandler

Director, Mountain Horticultural Crops Research and Extension Center, NC State University

Dr. Steve Lommel

Associate Dean and Director, NC Agricultural Research Service, NC State University

Teresa Lambert

Director, Research Stations Division, N.C. Department of Agriculture and Consumer Services

> Orchards Tour

Everyone will have the opportunity to hear each presentation.

If you need to return to the registration area during the tour, please let a staff member know and they will bring you back.

> Complimentary Dinner

Presentations:

Resources to Help you with Food Safety on your Farm

Craig Mauney, Elena Rogers, Karen Blaedow, Roberto Rosales, NC State Extension

Apple Rootstock Performance in NC

Dr. Mike Parker and Chris Holmberg, Department of Horticultural Science, NC State University

Cultural and Chemical Practices to Modulate Vegetative Growth and Systemic Movement of Fire Blight

Annie Vogel, Department of Horticultural Science, NC State University

Integrating Reflective Groundcovers into Southeastern Apple Production Systems

Ashley Hoppers, Department of Horticulture, University of Georgia

New Technologies to Aid in Apple Crop Load Management and Yield Prediction

Dr. Tom Kon, Department of Horticultural Science, NC State University

Tracking the Captan: Improving Fungicide Timings for Glomerella Leaf Spot and Bitter Rot in Apple

Dr. Sara Villani and Sean Gresham, Department of Entomology and Plant Pathology, NC State University

Improving Biopesticide and Host Defense Inducer Application Timings for Enhanced Blossom Blight Management

Dr. Sara Villani and Aleksander Tako, Department of Entomology and Plant Pathology, NC State University

Marssonina Madness: Investigating the Potential of Early Season Fungicide Programs for the Management of Marssonina Leaf Blotch

Dr. Sara Villani, Department of Entomology and Plant Pathology, NC State University

Unraveling the Relationship between Ambrosia Beetles and Rapid Apple Decline

Sean Gresham, Department of Entomology and Plant Pathology, NC State University

Unraveling the Relationship between Ambrosia Beetles and Trunk Disease in Apple

Sean Gresham and Aaron Weber, Department of Entomology and Plant Pathology, NC State University

Apple Pest Management Update

Dr. Jim Walgenbach, Emily Ogburn and Steve Schoof, Department of Entomology and Plant Pathology, NC State University