

Extreme Weather and Climate
A Virtual Workshop for NJ Agricultural Technical Service Providers
Wednesday February 11, 2026
8:00 AM-1:00 PM

Workshop objective: To expand capacity among New Jersey's agricultural technical service providers in assisting growers with adapting to and mitigating for extreme weather and climate change.

Agenda

8:00 AM Welcome and Panel 1 Level Setting

Climate, Extreme Weather, and NJ Agriculture: Recent History and the Coming Decades

Anthony Broccoli, Distinguished Professor of Atmospheric Sciences, Rutgers, The State University of New Jersey

What's at Stake? Current and Potential Impacts

Brian Schilling, Director, Rutgers Cooperative Extension; Senior Associate Director, NJAES, Rutgers, The State University of New Jersey

Lucas Marxen, Executive Director, Environmental Analysis & Communications Group, Bloustein School of Planning and Public Policy; Co-Director, New Jersey Climate Change Resource Center, Rutgers, The State University of New Jersey

Observations and Stakeholder Needs

Mark Robson Distinguished Professor; Extension Specialist in Plant Biology; Associate Vice Provost for Graduate Education; Dean of the School of Graduate Studies, Rutgers, The State University of New Jersey

Marjorie Kaplan, Senior Associate Director, Rutgers Climate and Energy Institute; Co-Director, New Jersey Climate Change Resource Center, Rutgers, The State University of New Jersey

8:45 AM Strategies for Addressing Extreme Weather and Climate Change – Session I

Managing Soil and Nutrient Runoff in a Changing Climate

Joshua Faulkner, Research Associate Professor; Director, Agricultural and Environmental Testing Laboratory; Faculty Fellow, Gund Institute for the Environment, University of Vermont

Estimating Water Needs During Dry Periods

Rachel Schattman, Associate Professor of Sustainable Agriculture, University of Maine

Heat Tolerance Strategies in Crop Production

Emmalea Ernest, Extension Fruit and Vegetable Specialist, University of Delaware

9:45 AM Break

9:55 AM Strategies for Addressing Extreme Weather and Climate Change –Session II

Soil Health for Resilience

Stephanie Murphy, Director, Soil Testing Laboratory, Rutgers, The State University of New Jersey

Mitigating Climate Change

Sara Kelemen, New England Soil Health Specialist, American Farmland Trust

Agrivoltaics to the Rescue?

AJ Both, Extension Specialist, Rutgers, The State University of New Jersey

10:55 AM Break

11:05 AM Planning and Implementation Frameworks

Extreme Weather and Climate: Realistic Hazards to Local Planning

Tommy Bass, Extension Specialist, Montana State University

Creating Long-term Adaptation and Mitigation Plans

Rachel Schattman, Associate Professor of Sustainable Agriculture, University of Maine

Integrating Adaptation and Mitigation Plans into Farm Business Plans

Rachel Schattman, Associate Professor of Sustainable Agriculture, University of Maine

12:05 PM Informing Research and Extension Activities for Extreme Weather, Climate, and NJ Agriculture

Josh Kohut, Professor; SEBS Dean of Research/NJAES Director of Research, Rutgers, The State University of New Jersey

Janice McDonnell, SEBS/NJAES Associate Dean of Research Impact

Brian Schilling, Director, Rutgers Cooperative Extension; Senior Associate Director, NJAES, Rutgers, The State University of New Jersey

1:00 PM Adjourn