

Northeastern Branch Crops, Soils, and Agronomy Conference



July 12–15, 2009

Holiday Inn by the Bay • Portland, Maine



Northeastern Branch
ASA-CSSA-SSSA

Conference Schedule at a Glance

Sunday, July 12

- 3:00–5:00 PM Registration—Lobby
3:00–4:30 PM NEBCSA Board Meeting—Boardroom
5:00–6:45 PM Mixer and Presentation—Massachusetts
Glacial Landforms of Maine “Origin of Maine’s Coastal Landscapes”—Joseph Kelley, Chair, Department of Earth Sciences, University of Maine. Conference participants and guests invited 6:00-6:45(25 minutes plus 15 min. for Q&A)
6:45 PM *Adjourn - Dinner on your own*

Note: Monday-Wednesday Registration and Continental Breakfast will be held outside the Connecticut/Rhode Island Rooms.

Monday, July 13

- 7:00–8:30 AM Registration
7:00–8:00 AM Continental breakfast
8:00–11:30 AM Plenary Session—Connecticut/Rhode Island Rooms
11:30–Noon Business Meeting—Connecticut/Rhode Island Rooms
12:00–1:10 PM *Lunch—Provided—Oxford/Somerset Rooms*
1:10–4:30 PM Graduate Student Competition—Connecticut/Rhode Island Rooms
4:30 PM Adjourn

Boat Tour and Lobster Bake

Joint event with the Northeastern Region Association of State Agricultural Experiment Station Directors

- 5:00 PM Meet in lobby for walk to the boat
5:45 PM Boat departs for tour of Casco Bay
6:30 PM Lobster Bake
10:00 PM Return to Portland

Tuesday, July 14

- 8:00–9:00 AM Registration
8:00–8:50 AM Continental breakfast
8:50–11:45 AM Split Sessions: Soils Session—Connecticut Room
Agronomy Session—Rhode Island Room
Noon Box Lunch—Ballroom Foyer
12:30 PM Depart for Agronomy or Glacial Landform Tours
4:30 - 5:30 PM Return from Tours

Dinner on your own

Wednesday, July 15

- 7:30–8:15 AM Registration
7:30–8:15 AM Continental Breakfast
8:15–Noon Special Session—Connecticut/Rhode Island Rooms
Advancing organic production systems in the Northeast: research results and opportunities and possible roles for agricultural service providers

Noon Conference Adjourns

Conference Sessions

Monday July 13 Plenary Session

- 8:00 AM John Rebar: Cooperative Extension Director.
Welcome to Maine, AgCom: How Maine agriculture groups communicate
- 8:15 AM John Jemison: Setting the stage: Productive potential of local Northeast agriculture in an oil limited, CO₂ enriched world
- 9:00 AM E. Ann Clark: Why grass-based livestock is the future for the Northeast
- 10:00 AM *Break*
- 10:20 AM Educators Panel: Heather Karsten, David Hansen, Suzanne Morse: What are we teaching our students? Are they adequately prepared?
- 11:15 AM Questions/Answers/Discussion
- 11:30 AM Business Meeting

Noon Lunch

- 1:10 PM Graduate Student Presentation Competition - Introductions to the students
- 1:15 PM Christopher Brosch. Nutrient Management Planning Effects On Runoff Losses of Phosphorus and Nitrogen
- 1:30 PM Cheryl Carmona. Agri-Environmental Assessment of Pelletized Broiler Litter
- 1:45 PM Heidi Waldrip. Relationship Between Phosphorus Forms and Phosphatase Activity in Soils Amended with Poultry Manure
- 2:00 PM Karen Grubb. Phosphorus Removal From Agricultural Drainage Ditches Using Gypsum Filter Structures.
- 2:15 PM Amanda Garzio-Hadzik. Survival of Escherichia Coli Delivered with Manure to Stream Sediment.
- 2:30 PM **CANCELLED** Jaiswal Deepak. Applicability and Evaluation of the Pennsylvania Phosphorus Index for a Municipal Wastewater Irrigation System.
- 2:45 PM *Break*
- 3:00 PM Sarah Wharton. Late Season Corn Stalk Nitrate Assessment in New York.
- 3:15 PM Anne Place. Whole Farm Illinois Soil Nitrogen Test (ISNT) Assessment in New York
- 3:30 PM Guihua Chen. Effects of Compaction and Cover Crops On Least Limiting Water Range and Soil Air Permeability
- 3:45 PM Zane Hadzick. Electrical Resistivity Sounding to Study Water Content Distribution in Heterogeneous Soils
- 4:00 PM Susan Monahan. Organic Sources of Nitrogen Fertility for Hard Red Winter Wheat in the Northeast
- 4:15 PM Ali Farsad. Improved Measurement of Nitrate Leaching in Fall Planted Cover Crops
- 4:30 PM Adjourn
- 5:00 PM Boat Tour and Lobster Bake – see conference schedule at a glance for details

Tuesday July 14 Soils and Agronomy Sessions

Soils Session

- 8:50 AM Greetings and Instructions to Presenters
- 9:00 AM Zhongqi He. Comparison of Three Soil P Tests and Their Relationship with Potato Yield.
- 9:15 AM David Moody. Predicting Repellency Indices of Hydrophobic Sands Using Ninety Degree Surface Tension Data
- 9:30 AM Louis McDonald. Carbon Sequestration in a Mine Soil Chronosequence: Temporal and Chemical Changes

- 9:45 AM Susan Erich. A Systems Approach for Enhancing Soil Quality and Plant Health Under Organic and Conventional Conditions: Effects On Soil Properties and Fertility
- 10:00 AM *Break*
- 10:30 AM Murray McBride. Estimating Total Pb in Contaminated Soils: A Comparison of Extraction Methods
- 10:45 AM Bruce Hoskins. A Comparison of Morgan-Type Soil Extracts: Implications for Methods Modification and Soil Test Calibration
- 11:00 AM Tom Bruulsema. The Future of Fertilizer Stewardship
- 11:15 AM Neeti Bathala. The effects of nitrogen and phosphorus on fine roots and mycorrhizae across different taxonomic groups mycorrhizal types, and biomes.

Agronomy Session

- 8:50 AM Greetings and Instructions to Presenters
- 9:00 AM Brian Aldrich. On-Farm Cover Crop Field Demonstrations in New York
- 9:15 AM Marianne Sarrantonio. Red Clover Root Effects On Vegetable Rotation Nitrogen Availability
- 9:30 AM Bill Cox. Best Management Practices for Soybean Production in New York
- 9:45 AM Caragh Fitzgerald. Evaluating Early, Mid, and Late Season Corn Silage Varieties in Maine, 2007 and 2008.
- 10:00 AM Quirine Ketterings. Fertility Management of Corn and Alfalfa Rotations
- 10:15 AM *Break*
- 10:45 AM Sid Bosworth. Delayed Second Hay Harvest as a Grassland Bird Management Practice in the Champlain Valley of Vermont
- 11:00 AM Carl Majewski. Monitoring For Corn Rootworm in New Hampshire.
- 11:15 AM Greg Binford. Nutrient Losses When Poultry Litter Is Stored in the Field
- 11:30 AM Evaluation of in Furrow Placement of Pumice Impregnated with a Root and Shoot Stimulator on Corn and Soybeans.

Noon Box Lunch

- 12:30 PM **Tours depart hotel in vans provided.** Return to hotel approximately 4:30 – 5:30 PM.
****Geology Tour Participants**, it is recommended that you review this website prior to going:
<http://www.maine.gov/doc/nrimc/mgs/explore/surfacial/index.htm>
Agronomy Tour Participants, you will visit two production farms in southern Maine.

Wednesday, July 15 Special Session

Advancing organic production systems in the Northeast: research results and opportunities and possible roles for agricultural service providers.

- 8:15 AM Bob Parsons. An economic overview of the organic dairy industry
- 8:45 AM Rick Kersbergen. A summary of the organic cropping system project
- 9:15 AM Ellen Mallory. Reweaving our bread basket: producing organic bread wheat in New England.
- 9:45 AM Heather Darby. Growing High Quality Organic Food-Grade Soybeans in Vermont
- 10:15 AM *Break*
- 10:30 AM John Jemison. Double Crop Forages for Organic Dairies in New England
- 11:00 AM Matt Sanderson. Seed Banks and Land-Use History of Pastures and Hayfields at the University of New Hampshire Organic Dairy
- 11:30 AM Heather Darby. Spring Grazing of Winter Seeded Cereal Grains
- Noon Adjourn**