

2018 Organic Farming Research Conference

Rutgers University – Tray Hall

January 26, 2018

In Partnership with the Northeast Organic Farming Association of New Jersey and Rutgers University

Agenda

8:00 – 8:20 Welcome and Introductions

Fertility

8:20 – 8:40 Margaret Pickoff, Improving legume based fertility for organic small grains: an evaluation of green manure termination methods

8:40 – 9:00 Theodore Radovich, From trash to treasure: developing organic compliant fertilizers from local by-products for crop production in Hawai'i

9:00 – 9:20 Brian McSpadden Gardener, Quantifying and enhancing the benefits of compost based fertilizers for organic growers

9:20 – 9:40 Amjad Ahmad, Utilizing locally produced rendered meat to produce high nitrogen content liquid fertilizer

9:40 – 10:00 **Break**

Soil Health and Climate Change

10:00 – 10:20 Tracy Misiewicz, National comparison of the total and sequestered organic matter contents of conventional and organic farm soils

10:20 – 10:40 Sara Via, How life underground builds soil health and climate resilience

10:40 – 11:00 Jeth Walkup, Impacts of organic farming management practices on soil biogeochemistry

11:00 – 11:20 William Sciarappa, Assessing soil health and fruit quality in highbush blueberry

Animals, Pests, and Nutrition

- 11:20 – 11:40 James Kotcon, High tannin pasture forages for intestinal parasite management in organic sheep production
- 11:40 – 12:00 Robert Cline, Root knot nematode infection and reproduction on Cannabis cultivars for organic production
- 12:00 – 12:20 Tiffany Fess, Differences in nutritional content and gene expression in organic and conventionally produced crops

12:20 – 1:50

Lunch

Biodiversity, Environment, and Tillage

- 1:50 – 2:10 Serpil Guran, Integrating food-energy-water (FEW)nexus and organic farming to achieve sustainable agriculture
- 2:10 – 2:30 Jose Franco, Organic transition approaches to facilitate conservation tillage in the northern great plains
- 2:30 – 2:50 Ramu Govindasamy, Consumer characteristics and willingness to pay for organic produce in the mid-Atlantic United States
- 2:50 – 3:10 Denise Finney, Ecosystem services from cover crop mixtures and monocultures in an organic feed and forage rotation
- 3:10 – 3:30 Sam Sundius and Carolyn Dimitri, Biodiversity, conservation and the organic systems plan

Economics and Marketing

- 3:30 – 3:50 T. R. Higgins, An economic analysis of the value of grazing organic winter cover crops
- 3:50 – 4:10 Haley Baron, Understanding the organic supply chain: the relationship between farmers and handlers in a growing market
- 4:10 – 4:30 Ryan Anderson, Crowdfunding for small farmers

Poster Session and Social

Refreshment Served

- 4:30 – 6:30 M. V. Melendez, New Jersey farm soil copper levels resulting from copper fungicide applications
- Alex Mayberry, Soil test nitrogen fertility for organic sweet potato production
- Omidreza Zandvakili, Comparisons of the effects of a commercial organic liquid fertilizer with Hoagland and Arnon solution on growth and composition of lettuce
- Eugenio Giraldo, Nitrogen recycling in organic agriculture everyone wins: farmer, environment, public health
- William Sciarappa, Comparing conventional, hybrid, and distance learning courses in organic horticulture
- Diana Jerkins, Farm Service Agency cost share and noninsured crop disaster assistance program
- Mark Lipson, Risk Management Agency crop insurance programs and risk avoidance program