

Practical Soil Health Specialist Training
New York State



WORKSHOP THREE – GREENHOUSE GAS MITIGATION AND SOC SEQUESTRATION

OCTOBER 21-22, 2021 • ITHACA, NY

TOMPKINS SWCD, 170 BOSTWICK RD, ITHACA, NY, 14850

Workshop #3 Agenda

Topics:

- Agriculture and greenhouse gas emissions: N₂O, CO₂, CH₄
- Mitigation of greenhouse gas emissions from agriculture
- Effects of management on SOC sequestration
- Outlooks for Carbon Markets in NYS
- Organic Amendments: Compost, Manure, and Biochar
- Interactive cover crop root activity & cover crop field trail

Day 1 – Thursday, October 21st

10:00 am – 10:05 am Welcome

10:05 am – 10:55 am Introduction to agricultural Greenhouse Gas (GHG) emission and mitigation potential – a New York case study applicable to the Northeast – Jenifer Wightman, Cornell University

10:55 am – 11:10 am Break

11:10 am – 12:00 pm Examining net greenhouse gas impacts of soil health practices – using the FAST-GHG tool and key research results – Peter Woodbury, Cornell University (Virtual)

12:00 pm – 1:00 pm Lunch

1:00 pm – 2:00 pm Soil Health Farmer Panel with Thor Oechsner, Oechsner Farms and Chaw Chang, Stick and Stone Farm

2:00 pm – 2:15 pm Break

2:15 pm – 3:00 pm Updates from the Specialists: What have you been working on this year?



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3:00 pm – 3:15 pm Break

3:15 pm – 4:00 pm Effects of Management on SOC Sequestration: What Long-term Experiments Tell Us – Joseph Amsili, Cornell University

4:00 pm – 4:45 pm Introduction to Biochar: Benefits for Climate, Soil Health, and Waste Conversion – Deborah Aller, Cornell University

4:45 pm Adjourn Session

Dinner on your own, but we will make a reservation for folks that want to eat together.

Day 2 – Friday, October 22nd

8:30 am – 9:00 am Coffee and Welcome

9:00 am – 10:30 am Cover Crop Root Investigations with PVC tubes – Joseph Amsili and Matt Ryan, Cornell University

10:30 am – 10:45 am Break

10:45 am – 11:30 am Compost Quality and Application – Jean Bonhotal, Cornell University

11:30 am – 12:30 pm Early Lunch

12:30 pm – 1:00 pm Travel to Cover Crop Field Day (9787 Route 96, Trumansburg, NY)

1:00 pm – 4:00 pm Cover crop field tour at Rod's sponsored by King's AgriSeeds, Cayuga Ag Enterprises, New York Soil Health Initiative, Tompkins SWCD, Cortland and Tompkins CCE; NRCS (open to the public)

