



Cornell Soil Health Train-The-Trainer Workshop

August 16 – 19, 2010
Cornell University, Ithaca, NY



This international workshop focuses on measuring soil health and improving soils through holistic soil management. The target audience is professionals working with agricultural and nonagricultural (incl. urban) soil management issues. The Cornell Soil Health Program has developed cost-effective methods for soil health assessment, targeting important soil processes such as aeration, drainage, root growth, disease pressure, nutrient release, etc. Specific management recommendations are also suggested to address soil health constraints. This intensive soil health workshop includes a mix of classroom training, hands-on laboratory experience, field assessment of soil health, generating the soil health report and its interpretation, and a field trip to local farms to discuss adopted soil health practices. Additional information and resources can be found on our website: <http://soilhealth.cals.cornell.edu>

Tentative Workshop Schedule:

- Day 1:** Concepts and modern approaches related to soil health assessment and management (classroom).
- Day 2:** On-campus hands-on experience of soil health laboratory protocols; urban applications of soil health testing.
- Day 3:** Field trip to visit local experimental and commercial farms to observe/discuss soil health management practices.
- Day 4:** Soil health reporting, interpretations, and management intervention (class room).

CORNELL SOIL HEALTH TEST REPORT (COMPREHENSIVE)				
Name of Farmer: Chazy Plots		Sample ID: E147		
Location:		Agent: Bob Schindelbeck, Cornell University		
Field/Treatment: CH 14		Agent's Email: 0		
Tillage: 7-9 INCHES		Given Soil Texture: SILTY		
Crops Grown: COG/COG/COG		Date Sampled: 4/25/2007		
Indicators	Value	Rating	Constraint	
PHYSICAL	Aggregate Stability (%)	22	25	aeration, infiltration, rooting
	Available Water Capacity (mm)	0.18	63	
	Surface Hardness (psi)	107	75	
BIOLOGICAL	Subsurface Hardness (psi)	400	13	Subsurface Pan/Deep Compaction
	Organic Matter (%)	2.1	14	energy storage, C sequestration, water retention
	Active Carbon (ppm)	462	21	Soil Biological Activity
	Potentially Mineralizable Nitrogen (ppN) (ugsoil/week)	2.0	0	N Supply Capacity
Root Health Rating (1-9)	2.3	55		
CHEMICAL	pH	8.3	0	Toxicity, Nutrient Availability (for crop specific guide, see CNAL report)
	Extractable Phosphorus (ppm)	9.5	101	
	Extractable Potassium (ppm)	20	11	Plant K Availability
	*Minor Elements		56	
OVERALL QUALITY SCORE (OUT OF 100):		39.1	Very Low	
Measured Soil Textural Class: silt loam				
SAND (%) 17.9 SILT (%) 77.0 CLAY (%) 6.0				

Registration form and other details are provided on the second page and at <http://soilhealth.cals.cornell.edu>
Registration/details: Larissa Smith, lls14@cornell.edu, 607-255-2177

**For registration information please contact
Larissa Smith: lls14@cornell.edu, 607-255-2177**

Registration Cost: \$325/ person

The cost of registration includes 4 continental breakfasts, 4 coffee breaks (with light snack), 4 lunches, two dinners, transportation in and around Ithaca and Geneva, and materials received during the workshop. Participants are fully responsible for their own lodging, off campus meals, and transport to and from Ithaca, NY.

The workshop will begin on Monday, August 16th at 8:30am and adjourn at 5:00pm on Thursday August 19th. Please arrange your arrival and departure as well as accommodations accordingly.

Registration Deadline July 15th, 2010

Seating is limited to 35, thus participation will be based on first come -first served basis

Please fill out information and return to:

Larissa Smith, Department of Crop and Soil Sciences, 237 Emerson Hall, Cornell University, Ithaca, USA 14853
Tel: +1-607-255-2177 Fax: +1-607-255-2644 E-mail: lls14@cornell.edu

NAME: _____

AFFILIATION: _____

ADDRESS: _____

PHONE: _____ E-MAIL: _____

METHOD OF PAYMENT (please make check or money order payable to Cornell University):

Credit Card Check Money Order Cornell Account Number

DIETARY PREFERENCE: Vegetarian Vegan Other Restrictions _____

Rooms have been blocked off at the following locations and will be held until July 9th:
(Please reference the Cornell Soil Health Workshop upon booking for discounted rates)

Hilton Garden Inn Ithaca
130 E. Seneca Street
Ithaca, NY, USA 14850
Tel: +1-607-277-8900
Fax: +1-607-277-8910
www.hiltongardeninn.com

Holiday Inn Ithaca Downtown Hotel
222 South Cayuga Street
Ithaca, NY, USA 14850
Tel: +1-607-272-1000
Fax: +1-607-277-1275
www.hiithaca.com/