



Cornell Soils Workshop: Soil Health & Dynamic Nitrogen Modeling

One-day event, Tuesday, March 18, 2008

Conference Room 102, Mann Library, Cornell Campus, Ithaca, NY

- **Morning session on Advanced Soil Health Management (10am - 12pm)** - Interpreting the Results of the Cornell Soil Health Test Report – A Guide To Soil Management
- **Catered Lunch (12pm-1pm)** - FREE!!!
- **Afternoon session on Dynamic Nitrogen Modeling (1pm - 4pm)** - A Web-based Tool for Adjusting N Recommendations for Corn using Weather Data and Modeling

Morning session

- Overview of Soil Health- why is it important?
- Outline of linkages between soil indicators and soil functions
- Soil Health Test Report interpretation
- Recommendations for improved soil health management
- Soil Health Training Certificate and relevant handouts available

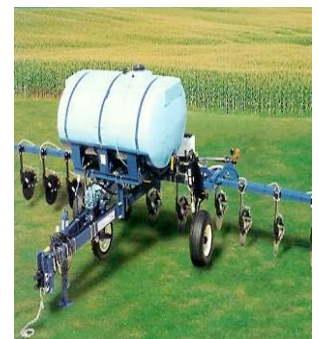
Afternoon session

- N dynamics in the soil and crop - Corn in New York State
- Importance of weather for understanding N dynamics
- Dynamic N modeling-Background
- Hands-on demonstration of the web-based tool for N fertilizer adjustment

Registration/details: Larissa Smith, lls14@cornell.edu, 607.255.2177 or Bob Schindelbeck, rrs3@cornell.edu, 607.227.6055

CCA credits available, this event is free and open to all.

CORNELL SOIL HEALTH TEST REPORT					
Form	FIELD TREATMENT HELP	Form 07/09/06	Index	Version	Relative Rating
FILE AGE: 2006, 2006, 2006, 2006	FIELD HELP'S	06/01/06	0.1	0.1	0.1
CROP: 2004 CORN GRAY 2005 BEANS 2006	R	0.1	0.1	0.1	0.1
INDICATORS	VALUES	RATING	REMARKS	RECOMMENDATIONS	TESTS
Aggregate Stability (%)	12.2	0	aggregation, soil structure (rating)		
Available Water Capacity (inches)	0.17	2			
Surface Hardness Index	1.49	0	crusting, water infiltration		
Subsurface Hardness Index	190	1			
Organic Matter (%)	2.4	0	low organic matter, soil structure (rating)		
Active Carbon (ppm)	333	0	low biological activity		
Potentially Mineralizable Nitrogen (ppm) (gbs soil/week)	3.1	0	low organic matter, soil structure (rating)		
Soil Health Rating (1-9)	4	2			
pH (see attached CNAI Report)	6.0	1			
Extractable Phosphorus (see attached CNAI Report)	18	2			
Extractable Potassium (see attached CNAI Report)	156	2			
Microclimate (see attached CNAI Report)	ADQUATE	2			
OVERALL QUALITY SCORE (out of 100)		50			



Map of Cornell Campus in Ithaca. Mann Library and Parking areas are identified. There is a fee for parking (several dollars for all day, automated attendant accepts dollar bills) but March 18 falls into Spring Break for students so campus should be less hectic.

