SOIL QUALITY: What does it mean, why is it important, and how can we manage it? Hear experts address these questions and more at the **"Soil Quality Workshop"** September 12 at the WCROC in Morris or September 13 at the SROC in Waseca.

WHO SHOULD ATTEND: This program is targeted to educators, ag professionals, and agency personnel working with growers to manage soil quality. Growers are also welcome to attend.

SPEAKERS:

Deborah Allan – Soil Scientist, U of MN

Don Reicosky – Retired Soil Scientist, USDA-ARS

George Derringer – Resource Soil Scientist, USDA-NRCS

James Hoorman – Assistant Professor Cover Crops and Water Quality, Ohio State University Extension

Jeff Vetsch – Assistant Scientist, U of MN Southern Research and Outreach Center

Jodi DeJong-Hughes – Extension Educator in Crops, U of MN Extension

Rafiq Islam – Research Scientist/Program Director, Ohio State University

Randall Reeder – Extension Ag Engineer, Ohio State University, Columbus, OH

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Extension Regional Office
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Soil Quality Workshop

Two Locations:

September 12, 2011

West Central Research and Outreach Center
Morris, MN

September 13, 2011

Southern Research and Outreach Center
Waseca, MN

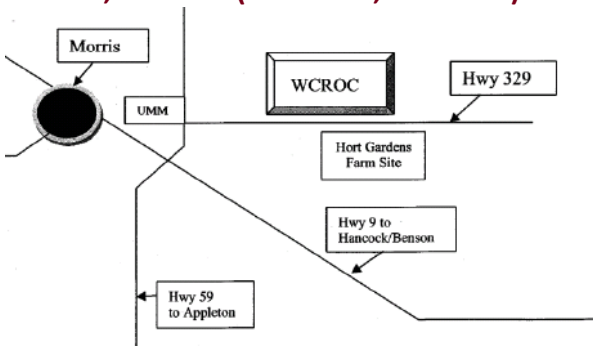
University of Minnesota Extension — Driven to Discover℠

The Ohio State University

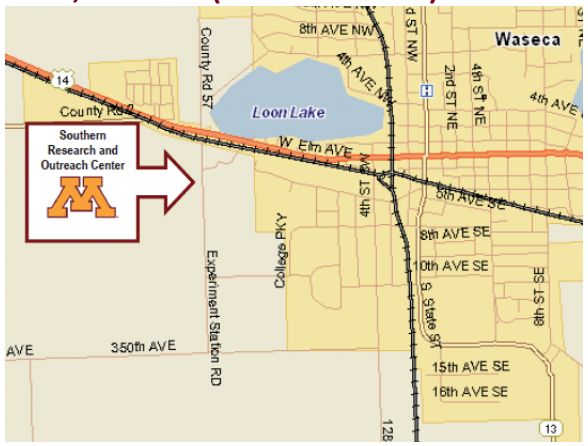
Minnesota Department of Agriculture

North Central SARE — Sustainable Agriculture Research & Education

WCROC, MORRIS (46352 ST., HWY 329):



SROC, WASECA (35838 120TH ST.):



QUESTIONS? For more information, please contact Liz Stahl @ 507-372-3900 or stah0012@umn.edu.

Participants are asked to bring 2 dry soil samples: 1 "good" and 1 "poor" soil (< 1 cup).
These will be analyzed for soil quality by participants.

AGENDA

8:00 - 8:30 a.m. Check-in

8:30 - 9:20 a.m. Soil Quality, Climate and Carbon: Rethinking Tillage in the 21st Century
Randall Reeder & Rafiq Islam

9:20 - 10:10 a.m. Tillage and Planting Impact on Carbon Sequestration and Soil Quality
Don Reicosky

10:10 - 10:30 a.m. Break

10:30 - 11:20 a.m. No-till, Strip-till and Soil Compaction (Morris)
Jodi DeJong-Hughes & Randall Reeder

Crop Production as Affected by Tillage System, Crop Rotation, and Soil Type (Waseca)
Jeff Vetsch & Randall Reeder

11:20 a.m. - 12:10 p.m. Crop Rotation and Diversity Effects on Soil Quality
Deborah Allan

12:10 - 12:50 p.m. Lunch

12:50 - 1:40 p.m. Soil Ecology and Nutrient Recycling in Corn and Soybeans with Cover Crops
Jim Hoorman

1:40 - 2:00 p.m. Break (go to the field)

2:00 - 3:30 p.m. Soil Quality Field Test
Rafiq Islam & Jim Hoorman

3:30 - 4:30 p.m. Soil Pits
George Derringer & Jodi DeJong-Hughes

4:30 p.m. Evaluation and Wrap-up

7.5 CEUs have been applied for
(6.5 Soil & Water and 1.0 Crop Management)

REGISTER BY SEPTEMBER 7TH

(Space is limited to 60 participants per location)

TO REGISTER ONLINE:

Monday, September 12th @ Morris, MN:
http://www.regonline.com/SoilQualMorris

Tuesday, September 13th @ Waseca, MN:
http://www.regonline.com/SoilQualWaseca

REGISTRATION FEE:

- **IF YOU DO NOT WISH TO RECEIVE CONTINUING EDUCATION CREDITS (CEUs)** for this program, **the cost is $20 by September 2nd and $30 after.**
- **IF YOU WISH TO RECEIVE CEUs FOR THIS PROGRAM** (7.5 have been applied for: 6.5 SW & 1.0 CM), **the fee is $75 total**.

Online registration is encouraged

TO REGISTER BY MAIL: Please fill out the following form and mail to the address below with appropriate fees. **Checks should be made payable to the University of Minnesota.** Registration must be **postmarked by September 7th.**

NAME _____

ADDRESS_____

CITY_____

STATE_____ ZIP_____

EMAIL_____

Mail registration and payment to:

University of Minnesota Extension - RDU
405 Coffey Hall
1420 Eckles Avenue
St. Paul MN 55108