

Agenda:

- 8:00 a.m. Registration and coffee
- 8:30 a.m. Welcome - Dr. Tom Scherer
Tile is not a new invention. (putting tile in historical perspective) – Dr. Tom Scherer
- 8:45 a.m. Permit me to tile (forum on how to get permits) panel discussion
*Requirements at state level.
*Requirements at local Water District level.
*NRCS representative providing a conservation view.
*Contractor point of view.
- 9:30 a.m. Drainage 201 – Principles of tile drainage – Dr. Gary Sands
- 10:00 a.m. Coffee break
- 10:15 a.m. Drainage 301 – Design of a tile system – Dr. Gary Sands
- 10:45 a.m. Reasons why agricultural producers are considering tiling – Dr. Hans Kandel
- 11:25 a.m. Pump or not to pump that is the question. Basics about pump units in tile systems and an update about pump research at Fairmount – Dr. Tom Scherer
- Noon Lunch
- 1:00 p.m. Drainage research at Fairmount – Dr. Xinhua Jia
- 1:25 p.m. Effect of tile drainage on recharge of deep aquifers – Bill Schuh
- 2:00 p.m. Water quality of water coming out of the tile – Roxanne Johnson, Water Quality Assoc.
- 2:25 p.m. Break
- 2:45 p.m. Different farmer views on water management: Producer panel
- 4:00 p.m. Program wrap-up

**NDSU Extension Plant Sciences
Dept. 7670
PO Box 6050
Fargo, ND 58108-6050**

**Non Profit US
Postage Paid
Permit No 818
Fargo, ND**

ND-MN Subsurface Drainage Forum

**Tuesday, February 24, 2009
8:00 a.m.to 4 p.m.**

**North Dakota State University
Memorial Union – Century Theatre
Fargo, ND**



PRE-REGISTRATION FORM

ND-MN Subsurface Drainage Forum Fargo - February 24, 2009 North Dakota State University Memorial Union Century Theatre

Please Print

Name: _____

Company: _____

Address: _____

Telephone: _____

E-mail: _____

PRE-REGISTRATION FEE: Enclose \$30.00 Registration Fee for the Subsurface Drainage Forum. (After Feb 16, 2009, fees will increase to \$35 for Registration)

Check made out to NDSU Extension Service
(includes parking pass, handouts, refreshments and lunch).

Please return this form by February 16, 2009

To: **Attention: Lisa Johnson**
NDSU Plant Sciences
Dept. 7670
P.O. Box 6050
Fargo ND 58108-6050

Questions about registration call Lisa at 701-231-7122.

ND-MN Subsurface Drainage Forum set for Fargo February 24, 2009

Tile drainage: A new technology in the Red River Basin is the topic of the upcoming Agricultural Subsurface Drainage Forum at North Dakota State University Memorial Union Century Theatre in Fargo on February 24.

The forum will focus on subsurface drainage practices in the US, the fundamentals of tile drainage, economics, the relationship between weather events and drainage, salinity and drainage, water quality and environmental implications of tile drainage. This educational event is intended for farmers, tiling contractors, landowners, industry and agency staff, crop consultants, students, and land and water resource managers.

Over the last number of years the interest in tile drainage has greatly increased both in NW Minnesota as well as in North Dakota. Research in Crookston and Brooks (NW Minn.) has generated data on crop yields, soil water movement and soil temperatures. Contractors report an increase in the acres they tile each year. With increased commodity prices producers are evaluating all new crop production technologies including tile drainage, however there are still many questions about the practice among producers, and those involved in the agricultural industry.

Participants attending the drainage forum will learn about the importance of good soil water management from NDSU and U of M Extension specialists and experienced practitioners. Topics about subsurface soil water management will be discussed, including reasons producers in the Red River Valley are increasingly looking at water management and alternative land use options. Water quality impacts and fundamental tile drainage design concepts, and farmer and agency perspectives will be discussed during a panel

discussion. Commercial exhibitors will participate in the event.

The event will start at 8 a.m. with registration and conclude at 4 p.m. Early registrants will receive a parking pass and parking instructions. Century theatre is located in the Memorial Union one block south of the visitor parking lot, all on the NDSU Fargo campus. Individuals with disabilities are invited to request reasonable accommodations to participate in this program.

Pre-registration is requested by February 16th to get an accurate count for the noon meal. The cost for those who pre-register is \$30 (including parking pass, handouts, refreshments and lunch). Registration at the door will be \$35. The registration amount can be mailed to NDSU Plant Sciences, Dept 7670, P.O. Box 6050, attention Lisa Johnson.

Registration form and the program agenda are available at the following site:
<http://www.ag.ndsu.nodak.edu/plantsci/rowcrops/main.htm>

For more information on the program, contact Hans Kandel, NDSU Extension Agronomist 701-231-8135 or e-mail hans.kandel@ndsu.edu

North Dakota State University Extension and the University of Minnesota Extension Service with industry partners are sponsoring the event.

