

Registration Information

Agricultural Drainage Design & Water Management Workshops Wahpeton, ND and Crookston, MN

Drainage Design Workshops will be held February 11th and 12th at the Tech Center on the campus of the North Dakota State College of Science in Wahpeton and on March 5th and 6th on the campus of the University of Minnesota, Crookston. The workshops start at 8:00 a.m. and ends at 4:30 p.m. on day two. The workshops are a collaborative effort between North Dakota State University, the University of Minnesota, and South Dakota State University Extension Services.

Pre-registration for the workshops is required and must be done online at <https://www.regonline.com/2014Drainage>. The early registration fee is \$225 and the workshops are limited to about 65 participants. These workshops typically fill quickly, so register early to guarantee a spot. Due to seating limitations, on-site registration will not be available on the day of the event. Detailed agendas and additional information can be found on the registration site.

For more information, contact:

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Tom Scherer, NDSU Extension Agricultural Engineer, thomas.scherer@ndsu.edu, 701-231-7239.

2014 Extension Subsurface Drainage Design & Water Management Workshop – Feb 11 and 12

TECH CENTER – ROOM 87 (7TH ST N & 13TH AVE N)
NORTH DAKOTA STATE COLLEGE OF SCIENCE – WAHPETON, ND 58076

TUESDAY, FEBRUARY 11

DAY 1	Topic	Presenter
7:30 am	Check-in and Refreshments	
8:00	Introductions	<i>Extension Drainage Team</i>
8:10	Design 1: Soil and Drainage Principles & Tools	<i>Dr. Chris Hay</i>
9:15	Design 2: Introduction to Design and Design Tools	<i>Drs. Chris Hay & Gary Sands</i>
10:30	Refreshment Break & Exhibits	
11:00	Legal Considerations of Drainage	<i>John Kolb Attorney, Rinke Noonan</i>
12:00 pm	LUNCH & Exhibits	
1:00	Design 3: Comprehensive Drainage Design Project <i>(layout considerations, pipe grades, cut sheets, pipe sizing)</i>	<i>Dr. Gary Sands</i>
3:15	Using LIDAR Images for Drainage Planning	<i>John Nowatzki</i>
4:00	Design 4: Pump (Lift) Station Design & Installation	<i>Dr. Tom Scherer</i>
5:00	Refreshments & Exhibits	
5:30	Evening Program: Farmer Experiences Panel Discussion	<i>Gerry Zimmerman & Brad Thykeson</i>

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WEDNESDAY, FEBRUARY 12

DAY 2	Topic	Presenter
7:30 am	Refreshments & Exhibits	
7:55	Announcements	<i>Extension Drainage Team</i>
8:00	Agronomic and Economic Considerations of Drainage	<i>Dr. Hans Kandel</i>
8:45	Conservation Drainage Practices	<i>Dr. Chris Hay</i>
9:30	Design 5: Managed Drainage Design	<i>Dr. Gary Sands</i>
10:15	Refreshment Break & Exhibits	
10:30	Design 6: Team Design Project <i>(work in small teams on a new field project)</i>	<i>Drs. Gary Sands, Tom Scherer, & Chris Hay</i>
12:30 pm	LUNCH & Exhibits	
1:15	Design 6: Team Design Project <i>(team reports and discussion)</i>	<i>Drs. Gary Sands, Tom Scherer, & Chris Hay</i>
2:15	Subirrigation Design	<i>Dr. Xinhua Jia</i>
3:00	Be Safe When You Tile	<i>Jim Walker</i>
3:45	Drainage Design Software	<i>Nathan Utt Ecosystem Services Exchange</i>
4:45	Evaluation & adjourn	<i>Extension Drainage Team</i>

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