OSU EXTENSION and OARDC

Agricultural Water Management Systems to Balance Production and Environmental Objectives

Program Objective:
Provide continuing education for land improvement contractors, soil and water conservation technicians, farmers, engineers, consultants, sanitarians, and others interested in advancing their knowledge of basic concepts, principles, and skills related to the purpose, design, layout, construction, and management of Soil and Water Conservation Systems, emphasis on Water Management and Water Quality.

Instructors:
Land-Grant University Faculty/Staff, NRCS/ODA/SWCD engineers and technicians, ARS engineers and scientists, and experienced OLICA contractors and associates.

Sponsors:
Overholt Drainage Education and Research Program, Food, Agricultural and Biological Engineering, OSU Extension, OARDC, The Ohio State University, in cooperation with, USDA-NRCS, USDA-ARS, Soil and Water Conservation Districts, Fairfield SWCD; OSU Extension Fairfield County, Ohio Land Improvement Contractors and Assoc.

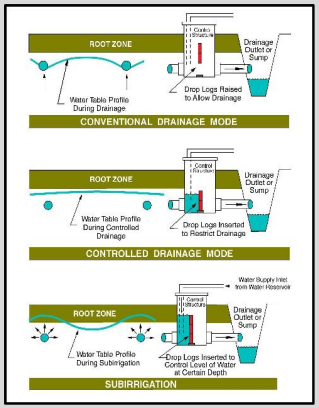
THE OHIO STATE UNIVERSITY
COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES

OSU EXTENSION and OARDC

REGISTRATION REQUIRED

Register for full 4-day program.

Submit registration form with payment before Deadline of ***March 6***.
Contact Dr. Brown for credit card payment info



Registration includes: tuition, lunches, refreshments, materials, supplies, manuals, engineer's scale, certificate of completion, etc., as appropriate for each day.

Bring: calculator and pencils. If possible bring draft designs, as-built drawings to share with instructors and participants.

Confirmations, directions, hotel list emailed upon receipt of registration and payment. Partial refund if cancellation by March 5.

Fairfield County Agricultural Center
831 College Ave, Lancaster, OH 43130

For information, contact Dr. Brown
brown.59@osu.edu **1-614-292-3826 (Ofc)**
1-614-264-7916 (cell – leave message)

Department of Food, Agricultural and Biological Engineering, 590 Woody Hayes Drive, Columbus, OH 43210-1058

OSU EXTENSION and OARDC

2020 Overholt Drainage School, March 9-12

4-Day Program

- ***Agricultural Subsurface Drainage: System Design, Layout and Installation***
- ***Drainage Water Management: Controlled Drainage System Design, Layout and Installation***
- ***Applications for Water Management, Drainage Water Harvesting***
- ***Water Quality Improvement Practices for Midwest Agricultural Drainage***

The Overholt Drainage School is funded, in part, by donations to the Overholt Drainage Education and Research Program Endowment at The Ohio State University

THE OHIO STATE UNIVERSITY
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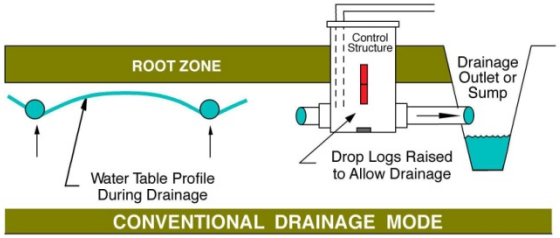
2020 Program

Agricultural Subsurface Drainage Design, Layout and Installation
March 9-11

Monday 9:00 AM to 9:00 PM
Tuesday 8:00 AM to 9:00 PM
Wednesday 8:00 AM to 5:00 PM

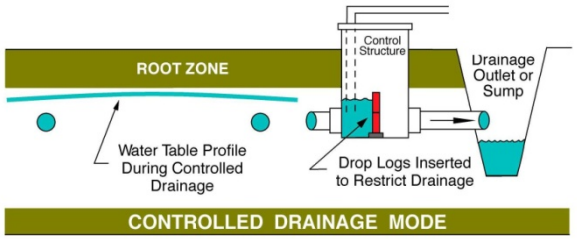


- ❑ Agricultural Drainage Concepts
- ❑ Soils Basics
- ❑ Drainage Guides, Drain Spacing
- ❑ Subsurface Drainage Design Concepts, Procedures, Sizing Laterals and Mains
- ❑ Design Exercises, Work Sessions
- ❑ Design Problem for Field Site
- ❑ Benefits and Economics of Drainage
- ❑ Proper Installation and Common Mistakes
- ❑ Installation Research
- ❑ Environmental Impacts and Considerations

Extensive classroom instruction, day time and evening work sessions and programs. Basic understanding of drainage and elevations encouraged.

Drainage Water Management: Controlled Drainage System Purpose, Benefits, Design, Layout and Installation
March 11-12

Wednesday Evening
Thursday 8:00 AM to 3:00 PM



- ❑ Issues with Nitrogen and Phosphorus
- ❑ Benefits for Water Quality and Crop Yields
- ❑ Controlled Drainage Design
- ❑ Water Management Zones, Mains, Lateral Spacing
- ❑ Layout Examples and Exercises
- ❑ WTC Structure Installation
- ❑ Operation and Management
- ❑ Drainage Collection/Pumping
- ❑ Drainage Water Harvesting Concepts
- ❑ Management and Operation
- ❑ Water Quality/Quantity Practices
- ❑ Wood-Chip Bioreactors, Phosphate Filters
- ❑ Blind Surface Inlets (as time allows)
- ❑ Buffers with Controlled Drainage

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ADVANCED REGISTRATION REQUIRED
Registration is for full 4-day program.
Complete the registration form and submit before March 6 with payment.
See Registration Form.

Questions? Contact Dr. Brown at:
Ofc: 1-614-292-3826;
Cell: 1-614-264-7916 (Leave short message and I'll call back);
Email: brown.59@osu.edu.

Notes

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