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.

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

CFAES provides research and related educational programs to clientele on a nondiscriminatory basis. For more information: go.osu.edu/cfaesdiversity
Extensive classroom instruction, day time and evening work sessions and programs. Basic understanding of drainage and elevations encouraged.

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

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

- 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

- 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

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.