

2022 Drainage Workshops

Hundley-Whaley Research Center
707 S. Birch Street ♦ Albany, MO

Designing & Installing Subsurface Agricultural Drainage Systems

DRAINAGE CONTRACTOR WORKSHOP

January 5-7, 2022

The Workshop begins at 1pm, with registration open at noon on Wednesday. Following a panel discussion, the Workshop should end by 3:00pm on Friday, January 7. (Cost: \$50/person with pre-registration by December 30, 2021)

LANDOWNER SHORT-COURSE

January 8, 2022

11:00am to 2:00pm - The Short-Course starts with a luncheon, followed by a two-hour presentation and Q&A Session. (Free with pre-registration by December 30, 2021)

From This ...



To This!



Register at <https://MLICA.org/Events> - by December 30!



Drainage Contractor Workshop Agenda

WEDNESDAY, JANUARY 5, 2022

Registration Opens at Noon; Course Starts at 1:00pm

- ♦ Introduction to Drainage Water Management
- ♦ MU Drainage and Sub-irrigation (MUDS) Research Update
- ♦ Water Movement in Soils
 - ♦ Processes and Terminology
 - ♦ Important Soil Properties
 - ♦ Hydraulic Conductivity
 - ♦ Soil Water Concepts
- ♦ Engineering Standards and Specs
 - ♦ Planning Considerations
 - ♦ Needs: Surface or Subsurface Drainage, Water Table Management, or Nutrient Management
 - ♦ System Layout & Outlet Locations
 - ♦ Utilities Determination - One-Call
 - ♦ Subsurface Drain Design, Pipe Capacity
 - ♦ Class Problem - Using Design Tables and Standards

Course Adjourns for the day at 5:00pm

THURSDAY, JANUARY 6, 2022

Course Starts at 8:00am; Lunch Provided

- ♦ Class Problems - Using Design Tables and Standards
- ♦ Lateral Design
- ♦ Making a Topographic Map from Survey Points
- ♦ Planning Considerations
 - ♦ The importance of an On-Site Evaluation of Soil Properties
 - ♦ Wetland Determination
- ♦ Class Problem – System Design
- ♦ Class Problem – Review and Discussion
- ♦ Pipe Installation Considerations
- ♦ Class Problem – Full Field Drainage Design

Course Adjourns for the day at 5:00pm

FRIDAY, JANUARY 7, 2022

Course Starts at 8:00am; Lunch Provided

- ♦ TSP Provider Training
- ♦ Continue Full Field Drainage Design Problem
- ♦ Presentation and Summary of Full Field Drainage Design Problem
- ♦ Nitrogen Treatment for Drainage Systems
- ♦ Contractor/Industry/Farmer/University Panel Discussion
- ♦ Final Questions, Summary and Evaluation

Course Adjourns at 3:00pm

We will provide:

- ♦ Resource/Reference Manual
- ♦ Engineering Scales
- ♦ Lunches and Breaks

You will need to bring:

- ♦ Notepaper
- ♦ Pen or Pencil
- ♦ Calculator

Landowner Short-Course Agenda

SATURDAY, JANUARY 8, 2022

11:00am Registration and Lunch

12:00pm - 2:00pm Presentation & Q&A

Registration Info

Name: _____

Company Name: _____

Phone: _____

Email: _____

Pre-Registration is required by December 30, 2021.

Online at www.MLICA.org/Events, or send a check made payable to
MLICA; 1101 West High Street; Jefferson City, MO 65109;
or call the MLICA office 573-634-3001.