

IRRIGATION AND WATER MANAGEMENT PLANNING (OK-ENG-002)

Overview

This course will familiarize the participants with the knowledge necessary to understand the application of irrigation practices and the development of irrigation water management plans. Participants will become familiar with the various types of irrigation systems, irrigation system efficiencies, pumping plants and pipeline design, soil-water-crop relationships, irrigation scheduling methods, and operation and maintenance of systems. A field trip to view various systems and components may be included in the training session.

Objectives

Upon completion of this training, participants will be able to:

1. Have a basic knowledge of the various types of irrigation systems and which systems are appropriate for the situation.
2. Have a basic knowledge of the interaction of soil, water, and crops and the role irrigation plays.
3. Understand the importance of matching the water source, pumping plant, and delivery system to the selected irrigation system.
4. Understand the factors affecting the economics of irrigation.
5. Understand that water conservation begins with proper system planning and management.
6. Develop an Irrigation Water Management Plan.
7. Work with irrigators on the methods of irrigation scheduling using evapotranspiration. (Atmometers and the Oklahoma Mesonet)

Prerequisites

NRCS or conservation partners with at least six months of experience.

Duration

Four days (no exam)