

Irrigation Systems, Microirrigation (441) Requirement Sheet

2012 Environmental Quality Incentives Program (EQIP)

Eligibility: Crop and Nursery Operations with adequate irrigation history on file.

Purpose: To provide planning guidance for using Irrigation System, Microirrigation scenario in arriving at least cost alternative to address resource concern. This practice may be applied as part of a conservation management system to support one or more of the following purposes.

- To efficiently and uniformly apply irrigation water and maintain soil moisture for optimum plant growth.
- To apply chemicals

Requirements: Resource concerns exist such that application of irrigation water is inefficient and not uniformly applied. Irrigation water is typically over applied and causing erosion. Meet Conservation Practice Standard Irrigation System, Microirrigation (441).

An **Irrigation Water Management Plan** is required before design or retrofit of system and it is developed as part of a resource management system to achieve one or more of the following purposes:

- Manage soil moisture to promote desired crop response.
- Optimize use of available water supplies.
- Minimize irrigation induced soil erosion.
- Decrease non-point source pollution of surface and groundwater resources.
- Manage salts in the crop root zone.
- Manage air, soil, or plant micro-climate.
- Proper and safe chemigation or fertigation.
- Improve air quality by managing soil moisture to reduce particulate matter movement.
- Reduce energy use.

Scenario	Description
Poly tubing w/ emitters	Poly tubing with emitters, or other appropriate type of point source emitter, installed in a micro irrigation system for field, produce, or containerized crops. The typical scenario includes approximately 7 rolls of 1000 feet long poly tubing for 1 acre. Additional practices required for the entire system are 430 Irrigation Water Conveyance, Pipeline and 533- Small Irrigation Pump. Typical project is sized to serve 5 acres. Part of an Irrigation Water Management System.

Requirements for Irrigation System Design Practices:

When designed outside of NRCS, the design of the irrigation system and conveyance must be provided by someone meeting certification requirements of: 1) USDA NRCS TechReg Technical Service Provider; 2) Irrigation Association (IA) Certification as a Certified Irrigation Designer (CID) – Agriculture: Drip/Micro, Sprinkler, or Surface; or 2) Irrigation Association (IA) as a Certified Agricultural Irrigation Specialist (CAIS).

Producer requirements for payment:

Install practice according NRCS plans and specifications. Payment is made following certification by appropriate NRCS staff with engineering job approval authority or acceptance by NRCS staff that system was installed as designed and certified by TSP and applicable NRCS standards and specifications.