

Irrigation Water Management Plan Outline Guide

Code 449

Introduction

- Brief description of operation
- Crops
- Rotations
- Acres
- Current or past irrigation
- Proposed irrigation
- Existing water sources
- Proposed water sources

Land Owner Objectives

- Reason for irrigation
 - o New irrigation risk reduction
 - o Improve existing system for water savings
- Typical irrigation season (start and end dates)
- Current or past water use
- Proposed water needs/use
- Existing equipment
- Proposed new equipment needed
- Proposed improved management (water application, tillage practices)

Water Source Details

- Existing sources used
- Proposed sources to be used
- New sources needed
- Ag Water Mgt. Board source evaluation (waters of the state of Maine determination, minimum required stream flow rates or pond depths, allowable withdrawal rates)
- Verification of adequate sources for proposed irrigation

Irrigation Water Management Techniques

- Allowed soil moisture depletion (%AWC)
- Monitoring and documentation techniques
 - o Flow meters
 - o Checkbook method
 - o Moisture gauges
 - o Feel method

- Documentation methods to maintain required stream flow rates and pond levels

Summary

- Acres of drought reduction
- Annual water saved
- Eliminated any water withdrawal rules violation
- Identify remaining water source use limitations and risks
- Identify and summarize planned practices

Supporting Documentation

- Data worksheets
- Maps
 - o Soils
 - o Field location
 - o Existing/Proposed equipment types location
 - o Water source location