



**Swine & Dairy Assistance Program**  
**IRRIGATION**  
**INVENTORY and EVALUATION FORM**  
Agricultural Water Supply Pond



**COOPERATOR INFORMATION**

First Name

Last name

Street Address

City

County of Pond Site

Tract - Field

Pond Site Coordinates (decimal degrees):

LAT

LONG

Type of operation:

- Row Crop
- Specialty Crop (Fruits, Vegetables, Herbs)
- Green Industry (Greenhouse, Nursery, Floriculture, Turf Crops)
- Hay/Pasture
- Other, specify:

**COOPERATOR OBJECTIVE**

Provide a detailed explanation of the Cooperator's objectives as they relate to irrigation.

How will a Agricultural Water Supply/Reuse Pond be used to meet the Cooperators objectives?

# IRRIGATION MANAGEMENT - EXISTING

Information in this section should reflect the EXISTING cropping systems, acreages and irrigation management

Cooperator does not currently irrigate any crops

Number of years irrigated in the last five years:

Does the cooperator have an Irrigation Water Management Plan?

 YES

 NO

Cropping history:

Crop	Non-irrigated		Irrigated		Total Acres
	Acres	Avg. Yield	Acres	Avg. Yield	

Type of existing irrigation system

Center Pivot

Fixed Solid Set

Other:

Linear Move

Micro-irrigation

Travelling Gun

Subsurface

Current power source

Electric

Diesel

Other:

Existing Water Sources for Irrigation

Pond/Lake

Well

Other:

Stream/River

Municipal

Ditch

NONE

Estimated volume of water used to irrigate crops (AF)

(Provided by the cooperator or calculated using the AgWRAP Water Balance Tool)

List existing conservation practices

## IRRIGATION MANAGEMENT - PROPOSED

Information in this section should reflect the PROPOSED cropping systems, acreages and irrigation management

Specify the crops and TOTAL acres the cooperator plans to irrigate (existing + expansion)

Field	Crop to irrigate	Irrigated Acres

Type of planned irrigation system

Center Pivot

Fixed Solid Set

Other:

Linear Move

Micro-irrigation

Travelling Gun

Subsurface

Power source

Electric

Diesel

Other:

Estimated volume of water that will be used to irrigate planned crops (AF)

(Provided by the cooperator or calculated using the AgWRAP Water Balance Tool)

List additional and alternative practices that will be planned to address irrigation management concerns

## SITE CHARACTERISTICS - PROPOSED POND

The values in this section are based on a proposed pond site and simple measurements. These values are intended to provide a rough estimate of pond site characteristics and are subject to change when a more detailed site investigation is conducted.

Type of Pond:  Excavated

Embankment

Combination

Watershed Drainage Area (ac)

Calculate Watershed Drainage Area using GIS or <https://streamstats.usgs.gov/ss/>

Pond Surface Area (ac)

Pond Volume (ac-ft)

Pond volume = Pond Surface Area X Max. Water Depth\*

\*If actual depth is unknown use 8 ft as an estimate

Embankment Length (ft)

## AgWRAP WATER BALANCE

What percent of demand will be met by this pond? (This figure must be calculated using the AgWRAP Water Balance Tool)

## TECHNICAL REPRESENTATIVE

Name

Agency

Signature

Date