AgWRAP IRRIGATION
INVENTORY and EVALUATION FORM

Repair/Retrofit and Water Supply/Reuse Ponds

AgWRAP Agricultural Water Resources Assistance Program

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 explanantion 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

Existing water sources on site

- ☐ Pond/Lake
- ☐ Stream/River
- ☐ Ditch
- ☐ Well
- ☐ Municipal
- ☐ NONE
- ☐ Other: _____

Does the cooperator currently irrigate any crops? ☐ **YES** ☐ **NO**

If no, skip to the next section *Irrigation Management - Planned*

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
- ☐ Linear Move
- ☐ Travelling Gun
- ☐ Fixed Solid Set
- ☐ Micro-irrigation
- ☐ Subsurface
- ☐ Other: _____

Current power source

- ☐ Electric
- ☐ Diesel
- ☐ Other: _____

List exisiting conservation practices

IRRIGATION MANAGEMENT - PLANNED

Information in this section should reflect the PLANNED 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)

AgWRAP Water Balance Tool -> Summary Sheet -> Demand -> Total AF

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 unknkown use 8 ft as an estimate

SOIL SUITABILITIES AND LIMITATIONS

List the predominant soil(s) present in and around the pond impoundment area*:

Map Unit Symbol	Map Unit Name	Pond Reservoir Area Rating	Embankements, Dikes, Levees Rating

*This information can be determined using USDA NRCS Web Soil Survey (https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx).
Web Soil Survey Procedure - Navigate to pond site > >*Define AOI* that includes pond reservoir and surrounding area> > Open *Soil Data Explorer* tab>> Open *Water Management* drop down>> Open *Pond Reservoir Areas* drop down>> Keep the default *Options* checked>> Click *View Ratings* >> Enter appropriate Map Units and Ratings above>> Repeat the last four steps to determine Embankments, Dikes and Levees ratings.

Is there an adequate place onsite to place spoil? ☐ YES ☐ NO ☐ NA

ADDITIONAL INFORMATION

Provide any additional information in the space below

TECHNICAL REPRESENTATIVE

Name | Agency | Date

Signature | Date