

IRRIGATION SYSTEM INVENTORY WORKSHEET

LANDOWNER NAME _____ DATE _____ PREPARED BY _____

Field Or Tract _____ Area Irrigated _____ (Acres)

_____ Section _____ Township _____ Range _____ County: _____

☐ USGS Topog map attached -or- ☐ Detailed Field Survey / Topog Map attached -&- ☐ Aerial photo attached -&- ☐ Soils Map attached

Have you completed the [NE-CPA-52](#) Environmental Evaluation (Y / N) _____

Water Supply Inventory

Water source: ☐ Ground Water ☐ Surface Water ☐ Irrigation Canal Company (if applicable): _____

Planned amount of water available: _____ ft³/sec -or- _____ gpm -or- _____ acre*in

Is a flow measuring device maintained and used? (Y / N) _____ Type _____

Is a flow measuring device planned (Y / N) _____ if "YES" has the [NE-ENG-83](#) Form or equivalent been completed (Y / N) _____

Water Quality Limitation(s): _____

☐ Chemical and/or Biological Water Analysis is attached (Analysis is required for micro Irrigation)

Soils Data

Soil Series	USDA Surface Textural Class	Available water capacity, AWC (in, Cumulative)					Depth to ¹		Intake Family
		0-1 ft.	1-2 ft.	2-3 ft.	3-4 ft.	4-5 ft.	Inhibiting layer (ft)	Water table (ft)	

¹ ☐ Actual observed depth in the field ☐ From Soil Survey

Uniformity of Slopes: ☐ Constant ☐ Variable Minimum Grade _____ % Maximum Grade _____ %

Crop and Irrigation Requirements

Crops	Root zone depth (ft)	Total AWC (in)	Management allowed depletion (%)	Max Net replacement (in)	Peak daily ET (in)	Seasonal Net Irrigation Requirements (in)	
						Normal Year 50% Chance	Dry Year 75% Chance

Crop Rotation: _____

Cultivation and other cultural practices: _____

☐ Attach printout of [Irrigation Water Requirements \(IWR\) computer program](#) showing Seasonal Net Irrigation Requirements (NIR), or, attach a copy of the [Crop Consumptive Use Curve\(s\)](#) as found in Chapter 4 of the [National Irrigation Guide, Nebraska Supplement](#).