Lower Big Blue Water Resources Team Weekly ET Data Collection Sheet

Cooperator_____ Crop_____ Site #_____

A	B	C	D	E	F	G	H	J	N	N	
Date Monday AM	Actual ET Gage Reading "inches"	ET Gage weekly Change or drop in "inches"	Crop Stage	Crop Coefficient (Kc)	Crop ET (C x E) "inches" per week	Daily ET previous 7 days; Divide F by 7	Weekly Rainfall "inches"	Weekly Irrigation Applied "inches"	Estimated Root Zone Soil Moisture Deficit from Sensors	*Days to Next Irrigation Estimate: Plant Avail. Water minus N / G	Notes:

***How to predict next irrigation: Silty-clay-loam soil at field capacity has 2.2 inches total water per foot in which 1.1 in/ft is plant readily available moisture. Next Irrigation Estimate = 1.1 in/ft of root zone minus soil water depleted divided by your daily ET estimate.**
(i.e. 13.3 days (two foot root zone) = 2.2" capacity - 0.6"deficit = 1.6 inches readily available moisture divided by ET rate estimate .16/day = 13.3 days