

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:
7-Jun	10.5	---	V4	0.18	---	---	---	---	---	---	
14-Jun	8.5	2.00	V6	0.35	0.70	0.10	1.25	0	0	22.0	1st sensor starting move
21-Jun	7.1	1.40	V8	0.51	0.71	0.10	0.00	0	0.60	13.3	Roots hit 2 ft, neighbors watering
28-Jun	5.8	1.30	V12	0.88	1.14	0.16	0.30	0	1.40	4.0	Used .20 for next 7 days ET
5-Jul	4.3	1.50	V12	1.01	1.52	0.22	0	1.1	0.40	8.2	1st Irr. July 2nd, cloudy forecast

*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)