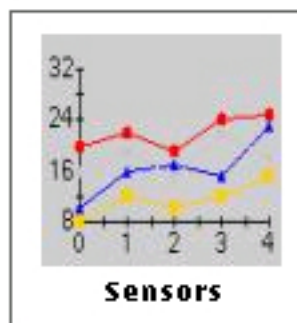




Last 3 Days



Apples w/...



Sensors



Solid Set

Reference ET

Station: WSU HQ

0.12 in/day X

0.915 =

Correction

Actual Crop ET 0.11 in/day X 07 days +/- 0.4 in =

Required Application 1.19 in / 0.096 in/hr =

Last Irrigation Date: 08/26

Operation Time 12.4 hrs

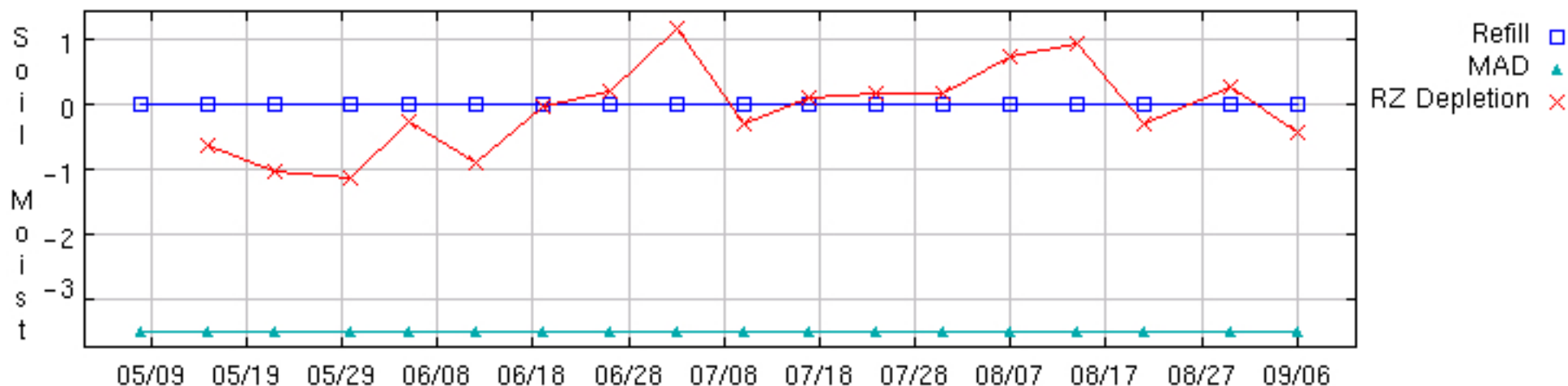
Crop ET Since Last Irrigation Sensor Depletion

WK	DATES	DAILY CROP ET	DATE NEXT IR	HRS PER SET	WK	DATES	DAILY CROP ET	HRS PER SET	DATE NEXT IR
1	09/13-09/19	0.11	09/16	7.846	1	09/13-09/19	0.11	12.0	09/19
2	09/20-09/26	0.1	09/23	7.9	2	09/20-09/26	0.1	12.0	
3	09/27-10/03	0.08	09/30	5.8	3	09/27-10/03	0.08	12.0	10/02
4	10/04-10/10	0.11	10/07	7.0	4	10/04-10/10	0.11	12.0	

Fixed Frequency

Fixed Duration

Soil Moisture Graph



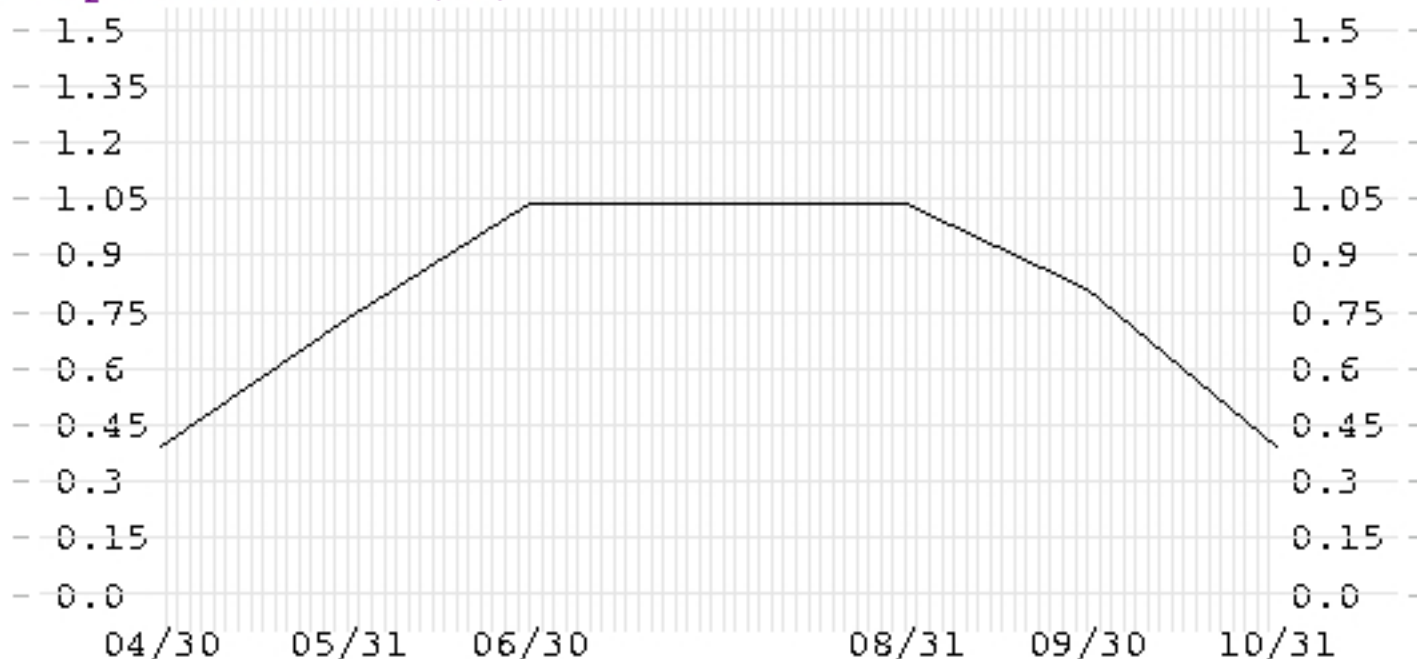
Soil Parameters

Field Capacity (% Volume)	Available Water (% Volume)	Refill To (% Field Capacity)	MAD (% Depletion)
25.0	16.67	100.0	50.0

Weather Data For WSU HQ

Date	Max Air Temp (F)	Min Air Temp (F)	Dew Point (F)	Solar Radiation (Langley)	Wind Run (Miles)	Reference ET (Inches)
2000-09-10	68.74	54.18	57.42	253.94	70.68	0.08
2000-09-11	74.30	51.51	55.38	481.13	72.01	0.14
2000-09-12	84.63	51.1	58.17	484.95	58.44	0.15
Avg for Next 7 Days	76.35	46.44	46.37	399.87	85.15	0.15

Crop Coefficient (Kc)



Irrigation System Parameters

Nozzle Flow gpm	Sprinkler Spacing Feet	Lateral Spacing Feet	Efficiency %	Application Gross	Application Net
<input type="text" value=".55"/>	<input type="text" value="36"/>	<input type="text" value="13"/>	<input type="text" value="85"/>	<input type="text" value="0.1132"/>	<input type="text" value="0.0962"/>

Total Flow	# Of Zones	Irrigate Every (1-28) Days	Set Time Hours
<input type="text"/>	<input type="text" value="1"/>	<input type="text" value="7"/>	<input type="text" value="12"/>

Irrigation/Precip Log

Irrigation Log						Precip Log			
Start Date	End Date	On-Time	Efficiency	Gross	Net	Date	Total Inches	Effective Inches	
5/17	5/17	6	85	0.68	0.58				
5/23	5/23	6.5	85	0.74	0.63				
6/2	6/3	14	85	1.58	1.35				
6/17	6/18	13.5	85	1.53	1.30				
6/20	6/21	8	85	0.91	0.77				
06/22	6/23	13	85	1.47	1.25				
6/27	6/27	10	85	1.13	0.96				
7/1	7/2	13.75	85	1.56	1.32				
7/9	7/10	13	85	1.47	1.25				
7/14	7/15	12.75	85	1.44	1.23				
7/21	7/22	14	85	1.58	1.35				
7/29	7/30	19	85	2.15	1.83				
8/5	8/6	17.75	85	2.01	1.71				
8/12	8/13	14.5	85	1.64	1.40				
8/26	8/27	17	85	1.9244	1.635				
Gross Irrigation:				Total Irrigation 21.81"	Net Irrigation 18.56"		Total Precip	Total Rain 0.0"	Total Effective Rain 0.0"