

**IRRIGATION WATER MANAGEMENT RECORD SHEET**

Name (1) Joe Farmer Field (2) 1 Tract (3) 1144

Irrigated Area (4) 135 acres Length of Run (gravity irrigated) (5) NA – Center Pivot Average Furrow Grade or Slope(6) 0.2% Grade

Well/Water Source Output (7) 900 GPM Date Measured (8) Acre-inches Crop (9) Seed Corn ET Station (10) Crop Consult.

Soil Type (11) Silt Loam Available Water at Field Capacity in Root Zone (12) 7.1 inches Maximum Allowed Depletion (13) 3.5 inches

**Irrigation Record**

Date (14)	On 6/30	On 7/3	On 7/10	On 7/17	On 7/27	On 7/31	On 8/14	On 8/21	On 8/28	On 9/4	On 9/10		
Soil Moisture Def <sup>1</sup> (15)	Given @ 1.4	1.44	1.84	2.52	1.73	1.31	3.24	2.31	2.78	1.91	.77		
(ET) Rate <sup>2</sup> (16)	0.25	0.25	0.31	0.20	0.45	0.25	0.27	0.26	0.14	0.07	0.02		
Inches Appl. <sup>3</sup> (17)	0.71	1.35	1.49	1.42	1.42	1.42	1.42	1.35	1.35	1.56	0.71		
Meter Read – Start (18)	0	95.8473	278.095	479.237	670.931	862.626	1054.32	1245.993	1428.241	1610.489	1821.1		
Meter Read – Stop (19)	95.8473	278.095	479.237	670.931	862.626	1054.32	1245.993	1428.241	1610.489	1821.1	1916.95		
No. Gates Open (20)													
Out Time <sup>4</sup> (21)													
Set or Rev. Time (22)	49	93	102	97	97	97	97	93	93	107	49		

**Rain Gauge Record**

Date (23)	On 5/28	On 6/1	On 7/20	On 7/23	On 7/27	On 8/1	On 8/15	On 8/30										
Inches (24)	1.5	0.5	0.25	1.12	0.80	0.15	1.4	0.5										
Date																		
Inches																		

Notes (25)

- <sup>1</sup> Soil Moisture Deficit in inches beginning of day in root zone.
- <sup>2</sup> The ET rate used for scheduling the current irrigation.
- <sup>3</sup> Gallons pumped /27,154/ acres = inches applied (gross).
- <sup>4</sup> Average time for water to reach the end of 50% of the rows (conventional furrow).

Seasonal Water Application (26) 14.2 inches Seasonal Rainfall (27) 6.22 inches