

## IRRIGATION WATER USE - WORKSHEET

Owner: \_\_\_\_\_ Operator: \_\_\_\_\_ Field: \_\_\_\_\_

Structure #: \_\_\_\_\_ Crop: \_\_\_\_\_ Acres: \_\_\_\_\_

Order On	Order	Start		Order Off	End				# of	Nozzle		Total			Acre
Date	Amount	Date	Time	Date	Date	Time	Method	Pressure	Nozzles	Size	GPM	Days	Source	Comments	Feet

Order on Date: Date water ordered from Ditchrider  
 Order Amount: Amount requested from Ditchrider (GPM or CFS)  
 Start Date & Time: Date & Time Irrigation Starts  
 Order off Date: Date water ordered off from Ditchrider  
 End Date & Time: Date & Time Irrigation Stops  
 Method: Wheeline, Handline, Pivot, Flood, Gun, Etc...  
 Acre Feet:  $GPM/448 = cfs$   $cfs * 1.9835 * Days = Acre Feet$

Pressure: Average Nozzle Pressure  
 # of Nozzles: Total Number of Nozzles (some heads have 2)  
 Nozzle Size: Size of Nozzles in Sprinkler Heads  
 GPM: Gallons per Minute for Sprinklers or Flow Meter  
 Total Days: Total Number of Days for each Irrigation Method  
 Source: Name of Ditch where water comes from (ask ditchrider)

# IRRIGATION WATER USE - WORKSHEET

## EXAMPLE SHEET

Owner: Jones Operator: Smith Field: BACK Forty  
 Structure #: T2324 Crop: ALF Acres: 44

Order On Date	Order Amount	Start Date	Start Time	Order Off Date	End Date	End Time	Method	Pressure	# of Nozzles	Nozzle Size	GPM	Total Days	Source	Comments	Acres
5/17	.68 cfs	5/18	AM 9:00				WL	55	40	3/16	304	1	C-4	irregular field Dropping sections	1.36
5/18	.40 cfs	5/19	AM 9:15				WL	55	24	3/16	182	1	" "		.81
5/19	.30 cfs	5/20	AM 9:30	5/20	5/21	AM 9:00	WL	55	18	3/16	137	1	" "		.6
5/31	2 cfs	6/1	AM 8:00	6/3	6/4	AM 8:30	Flood					3	C-4-E	6/2 Ditch low NOT receiving Full Amount	12
6/3	.96 cfs	6/4	AM 8:30	6/6	6/7	AM 8:30	Pivot				433	3	C	Metered	5.76
6/27	2 cfs	6/28	AM 8:30	7/3	7/4	AM 9:00	WL Flood	65	25	3/16	205	6	C-4-G		24

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## Sprinklers

The table below will help you evaluate your water usage. The values listed below are for new heads that have not been damaged through long-term use by grit suspended in irrigation water. The table also presumes that the system employing the sprinklers is non-leaking. The gray cells show average user range.

	3/32"	1/8"	9/64"	5/32"	11/64"	3/16"	13/64"	7/32"
PSI	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM
20	1.17	2.09	2.65	3.26	3.92	4.69	5.51	6.37
25	1.31	2.34	2.96	3.64	4.38	5.25	6.16	7.13
30	1.44	2.56	3.26	4.01	4.83	5.75	6.80	7.86
35	1.55	2.77	3.50	4.31	5.18	6.21	7.30	8.43
40	1.66	2.96	3.74	4.61	5.54	6.64	7.80	9.02
45	1.76	3.13	3.99	4.91	5.91	7.03	8.30	9.60
50	1.85	3.30	4.18	5.15	6.19	7.41	8.71	10.10
55	1.94	3.46	4.37	5.39	6.48	7.77	9.12	10.50
60	2.03	3.62	4.50	5.65	6.80	8.12	9.56	11.05
65	2.11	3.77	4.76	5.87	7.06	8.45	9.92	11.45
70	2.19	3.91	4.96	6.10	7.34	8.78	10.32	11.95
75	2.27	4.05	5.12	6.30	7.58	9.08	10.66	12.32
80	2.35	4.18	5.29	6.52	7.84	9.39	11.02	12.74
85	2.42	4.31	5.45	6.71	8.07	9.67	11.35	13.11
90	2.49	4.43	5.61	6.91	8.31	9.95	11.69	13.51
95	2.56	4.56	5.76	7.09	8.53	10.2	11.99	13.86
100	2.63	4.67	5.91	7.29	8.76	10.5	12.32	14.23