AGRICULTURAL

FIELD

SCALE

IRRIGATION

REQUIREMENTS

SIMULATION

MODEL

AFSIRS MODEL: INTERACTIVE VERSION 6.2

THIS MODEL SIMULATES IRRIGATION REQUIREMENTS

FOR FLORIDA CROPS, SOILS, AND CLIMATE CONDITIONS.

PROBABILITIES OF OCCURRENCE OF IRRIGATION REQUIREMENTS

ARE CALCULATED USING HISTORICAL WEATHER DATA BASES

FOR NINE FLORIDA LOCATIONS.

INSTRUCTIONS FOR THE USE OF THIS MODEL ARE GIVEN

IN THE AFSIRS MODEL USER'S GUIDE.

DETAILS OF THE OPERATION OF THIS MODEL, ITS APPLICATIONS

AND LIMITATIONS ARE GIVEN IN THE AFSIRS MODEL TECHNICAL MANUAL.

AFSIRS MODEL: INTERACTIVE VERSION 6.2

THIS MODEL SIMULATES IRRIGATION REQUIREMENTS

FOR FLORIDA CROPS, SOILS, AND CLIMATE CONDITIONS.

Owner : **TestOwner1** | Site : **TestSite1** | Unit : **TestUnit1**

Crop : **ALFALFA** | Irrigation Method : **TRICKLE, DRIP** | Planting Date :

Harvest Date : | Area (ACRES): **12.0**

Soil Series Name : **Candler**

Details in Inches													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Mean Rainfall	2.45	2.69	3.48	2.48	3.33	7.27	7.29	6.75	5.88	3.08	1.93	2.18	48.81
Mean Evaporation	3.09	3.36	4.88	5.84	6.57	5.67	5.83	5.40	4.63	4.24	3.31	2.81	55.62
Peak Evaporation	3.64	4.03	5.74	6.79	7.77	6.75	6.68	6.44	5.72	5.21	3.80	3.39	-

Details in Inches													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Avg Irr Req	-1.00	0.00	0.70	1.47	2.13	0.18	0.00	0.00	-1.00	0.36	0.50	0.00	3.35
2-in-10 Irr Req	-1.00	0.59	1.65	2.65	3.34	1.00	0.32	0.13	-1.00	0.87	0.84	0.54	9.93
1-in-10 Irr Req	-1.00	0.94	2.25	3.37	4.04	1.58	0.62	0.44	-1.00	1.14	1.00	0.76	14.12

Details in Million Gallons													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Avg Irr Req	-1.00	0.00	0.23	0.48	0.69	0.06	0.00	0.00	-1.00	0.12	0.16	0.00	-0.26
2-in-10 Irr Req	-1.00	0.19	0.54	0.86	1.09	0.33	0.10	0.04	-1.00	0.28	0.27	0.18	1.89
1-in-10 Irr Req	-1.00	0.31	0.73	1.10	1.32	0.51	0.20	0.14	-1.00	0.37	0.32	0.25	3.25

Soil Series Name : **Astatula**

Details in Inches													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Mean Rainfall	4.89	5.38	6.96	4.97	6.67	14.55	14.58	13.50	11.75	6.16	3.86	4.35	97.62
Mean Evaporation	6.18	6.71	9.76	11.69	13.13	11.34	11.65	10.80	9.26	8.47	6.62	5.62	111.23
Peak Evaporation	3.64	4.03	5.74	6.79	7.77	6.75	6.68	6.44	5.72	5.21	3.80	3.39	-

Details in Inches													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Avg Irr Req	0.07	0.28	0.87	1.77	2.25	0.39	0.08	0.00	0.00	0.48	0.59	0.27	7.05
2-in-10 Irr Req	0.48	0.74	1.93	2.72	3.49	1.23	0.54	0.37	0.40	0.98	0.96	0.59	14.43
1-in-10 Irr Req	0.69	1.02	2.65	3.26	4.21	1.86	0.86	0.65	0.61	1.28	1.16	0.76	18.99

Details in Million Gallons													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Avg Irr Req	0.02	0.09	0.28	0.58	0.73	0.13	0.03	0.00	0.00	0.16	0.19	0.09	2.30
2-in-10 Irr Req	0.16	0.24	0.63	0.88	1.14	0.40	0.18	0.12	0.13	0.32	0.31	0.19	4.70
1-in-10 Irr Req	0.23	0.33	0.86	1.06	1.37	0.60	0.28	0.21	0.20	0.42	0.38	0.25	6.19

Soil Series Name : **Candler**

Details in Inches													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Mean Rainfall	7.34	8.07	10.44	7.45	10.01	21.82	21.87	20.25	17.63	9.24	5.78	6.53	146.43
Mean Evaporation	9.27	10.07	14.64	17.53	19.70	17.01	17.48	16.20	13.89	12.71	9.93	8.43	166.85
Peak Evaporation	3.64	4.03	5.74	6.79	7.77	6.75	6.68	6.44	5.72	5.21	3.80	3.39	-

Details in Inches													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Avg Irr Req	-1.00	0.00	0.70	1.47	2.13	0.18	0.00	0.00	-1.00	0.36	0.50	0.00	3.35
2-in-10 Irr Req	-1.00	0.59	1.65	2.65	3.34	1.00	0.32	0.13	-1.00	0.87	0.84	0.54	9.93
1-in-10 Irr Req	-1.00	0.94	2.25	3.37	4.04	1.58	0.62	0.44	-1.00	1.14	1.00	0.76	14.12

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	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Avg Irr Req	-1.00	0.00	0.23	0.48	0.69	0.06	0.00	0.00	-1.00	0.12	0.16	0.00	-0.26
2-in-10 Irr Req	-1.00	0.19	0.54	0.86	1.09	0.33	0.10	0.04	-1.00	0.28	0.27	0.18	1.89
1-in-10 Irr Req	-1.00	0.31	0.73	1.10	1.32	0.51	0.20	0.14	-1.00	0.37	0.32	0.25	3.25