Special Publication SJ87-SP4

TECHNICAL MEMORANDUM

30 Year Mean

Blaney-Criddle

Supplemental Irrigation Requirements

MODIFIED BLANEY-CRIDDLE MODEL

	COUNTY	NOAA STATION	30 YR. MEAN RAINFALL
1	Alachua	Gainesville	52.9"
2	Baker	Glen St. Mary	56.4"
3	Brevard	Titusville Melbourne	56.7" 47.1"
	Clay	*(See Notes)	-
4	Duval	Jacksonville	51.5"
5	Flagler	Federal Point	52.5"
6	Indian River	Vero Beach Ft. Drum	51.1"
7	Lake	Clermont	51.2"
8	Marion	Ocala	54.0"
9	Nassau	Fernindina	51.4"
10	Okeechobee	Fellsmere	51.7"
11	Orange	Orlando	49.7"
12	Polk	Lake Alfred	49.0"
13	Putnam	Palatka	51.6"
14	Seminole	Sanford	51.1"
15	St. Johns	Hastings	53.0"
16	Volusia	Deland	53.8"
	Osceola*	Kissimmee	48.9"

*District Mean Rainfall 51.0"
For Clay County use Putnam or Duval Blaney-Criddle data.
For Osceola County use Brevard or Indian River Blaney - Criddle Data.

MODIFIED BLANEY-CRIDDLE MODEL

COEFFICIENTS Planting and Harvest Date, Normal Net Irrigation, Annual Rainfall, Seasonal Temperature

CONSTANTS

Rt = Rainfall

Lite = % Lite - Total Month = $\frac{RS}{TRS}$

GRO = Growth Stage

F = Linear Equation for Evaporation $\sum_{i=1}^{12}$ $\frac{RS_i = \text{monthly} \times T_i}{TRS_i = \text{yearly}}$

Kt = Temperture Constant

KC = Growth Constant

UMON = Evapotransporation $\sum_{i=1}^{12} ET_i$

UMONA = ET corrected C = $\frac{.55 \times F}{CU}$

RE = Effective Rainfall

XIRM = UMONA - RE = Supplemental Irrigation

SUPPLEMENTAL IRRIGATION REQUIREMENTS FOR CROPS NOT LISTED UNDER BLANEY-CRIDDLE

Crop	Inches/Acre*
1. Tobacco	8.5"
2. Ornamentals	
A. Flowers and Foilage	60.0"
B. Woody Ornamentals	70.0"
C. Ferns	45.0"
D. Turf Grass	50.0"
3. Wheat	7.0"

* Supplemental irrigation data from IFAS industry research figures.

A1.

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 2/15 HARVEST DATE= 7/15
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 52.82 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

1 VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.66	7.32		0.00	0.53	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.00	4.50	7.03		1.76	0.62	0.33	0.36	0.36	0.36	0.00	0.00	0.00
	59				8.67							0.00	0.00	
MAR		66.00	2.27	8.37		5.52	0.83	0.54	2.47	2.47	1.26	0.00	0.00	1.21
	90				29.33							0.00	0.00	
APR		68.10	1.66	8.70		5.93	0.86	0.76	3.91	3.91	1.03	0.00	0.00	2.88
	120				49.33							0.00	0.00	
MAY		75.20	3.02	9.33		7.16	0.99	0.81	5.76	5.76	1.95	0.00	0.00	3.80
	151				70.00							0.00	0.00	
JUN		80.20	7.47	9.47		7.60	1.07	0.70	5.74	5.74	4.27	0.00	0.00	1.47
	181				90.00							0.00	0.00	
JUL		82.80	8.26	9.65		3.87	1.12	0.47	2.04	2.04	2.04	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		82.80	9.00	9.20		0.00	1.12	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.70	6.31	8.33		0.00	1.08	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.90	2.36	7.99		0.00	0.91	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	1.94	7.21		0.00	0.77	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.30	3.37	7.18		0.00	0.63	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						31.84			20.27	20.27	10.92	0.00	0.00	9.36

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.66	7.32		0.00	0.53	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.00	4.50	7.03		1.76	0.62	0.33	0.36	0.36	0.31	0.00	0.00	0.05
	59				8.67							0.00	0.00	
MAR		66.00	2.27	8.37		5.52	0.83	0.54	2.47	2.47	1.08	0.00	0.00	1.39
	90				29.33							0.00	0.00	
APR		68.10	1.66	8.70		5.93	0.86	0.76	3.91	3.91	0.88	0.00	0.00	3.03
	120				49.33							0.00	0.00	
MAY		75.20	3.02	9.53		7.18	0.99	0.81	5.76	5.76	1.67	0.00	0.00	4.09
	151				70.00							0.00	0.00	
JUN		80.20	7.47	9.47		7.60	1.07	0.70	5.74	5.74	3.65	0.00	0.00	2.08
	181				90.00							0.00	0.00	
JUL		82.80	8.26	9.65		3.87	1.12	0.47	2.04	2.04	1.75	0.00	0.00	0.29
	212				100.00							0.00	0.00	
AUG		82.80	9.00	9.20		0.00	1.12	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.70	6.31	8.33		0.00	1.08	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.90	2.36	7.99		0.00	0.91	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	1.94	7.21		0.00	0.77	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.30	3.37	7.18		0.00	0.63	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						31.84			20.27	20.27	9.34	0.00	0.00	10.93

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	9.36	10.93
95	9.85	11.51
90	10.40	12.15
85	11.01	12.86
80	11.70	13.67
75	12.48	14.58
70	13.37	15.62
65	14.40	16.82
60	15.60	18.22
55	17.01	19.88
50	18.72	21.87

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 7/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.65 TO 0.70
ANNUAL RAINFALL= 52.82 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.20 SOYBEANS

SOYBEANS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.66	7.32		0.00	0.53	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.00	4.50	7.03		0.00	0.62	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	2.27	8.37		5.35	0.83	0.26	1.16	1.16	1.16	0.00	0.00	0.00
	90				21.43							0.00	0.00	
APR		68.10	1.66	8.70		5.93	0.86	0.45	2.29	2.29	1.02	0.00	0.00	1.28
	120				42.86							0.00	0.00	
MAY		75.20	3.02	9.53		7.16	0.99	0.80	5.66	5.66	2.10	0.00	0.00	3.56
	151				65.00							0.00	0.00	
JUN		80.20	7.47	9.47		7.60	1.07	0.95	7.78	7.78	5.18	0.00	0.00	2.60
	181				86.43							0.00	0.00	
JUL		82.80	8.26	9.65		3.87	1.12	0.74	3.21	3.21	2.56	0.00	0.00	0.65
	212				97.14							0.00	0.00	
AUG		82.80	9.00	9.20		0.00	1.12	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	243				97.14							0.00	0.00	
SEP		80.70	6.31	8.33		0.00	1.08	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	273				97.14							0.00	0.00	
OCT		70.90	2.36	7.99		0.00	0.91	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	304				97.14							0.00	0.00	
NOV		62.60	1.94	7.21		0.00	0.77	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	334				97.14							0.00	0.00	
DEC		54.30	3.37	7.18		0.00	0.63	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	365				97.14							0.00	0.00	
SEASONAL TOTALS						29.90			20.10	20.10	12.01	0.00	0.00	8.09

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.66	7.32		0.00	0.53	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.00	4.50	7.03		0.00	0.62	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	2.27	8.37		5.35	0.83	0.26	1.16	1.16	0.99	0.00	0.00	0.17
	90				21.43							0.00	0.00	
APR		68.10	1.66	8.70		5.93	0.86	0.45	2.29	2.29	0.87	0.00	0.00	1.43
	120				42.86							0.00	0.00	
MAY		75.20	3.02	9.53		7.16	0.99	0.80	5.66	5.66	1.80	0.00	0.00	3.86
	151				65.00							0.00	0.00	
JUN		80.20	7.47	9.47		7.60	1.07	0.95	7.78	7.78	4.43	0.00	0.00	3.35
	181				86.43							0.00	0.00	
JUL		82.80	8.26	9.65		3.87	1.12	0.74	3.21	3.21	2.19	0.00	0.00	1.02
	212				97.14							0.00	0.00	
AUG		82.80	9.00	9.20		0.00	1.12	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	243				97.14							0.00	0.00	
SEP		80.70	6.31	8.33		0.00	1.08	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	273				97.14							0.00	0.00	
OCT		70.90	2.36	7.99		0.00	0.91	0.69	0.00	0.00	-0.00	0.00	0.00	0.00
	304				97.14							0.00	0.00	
NOV		62.60	1.94	7.21		0.00	0.77	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	334				97.14							0.00	0.00	
DEC		54.30	3.37	7.18		0.00	0.63	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	365				97.14							0.00	0.00	
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SEASONAL TOTALS						29.90			20.10	20.10	10.28	0.00	0.00	9.82

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	8.09	9.82
95	8.52	10.34
90	8.99	10.92
85	9.52	11.56
80	10.11	12.28
75	10.79	13.10
70	11.56	14.04
65	12.45	15.11
60	13.48	16.37
55	14.71	17.86
50	16.18	19.65

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 52.82 INCHES
PERCENT CHANCE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.66	7.32		3.44	0.53	0.50	0.90	0.90	0.90	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		54.00	4.50	7.03		3.80	0.62	0.58	1.36	1.36	1.36	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		66.00	2.27	8.37		5.52	0.83	0.73	3.35	3.35	1.43	0.00	0.00	1.92
	90				24.66							0.00	0.00	
APR		68.10	1.66	8.70		5.93	0.86	0.85	4.34	4.34	1.14	0.00	0.00	3.20
	120				32.88							0.00	0.00	
MAY		75.20	3.02	9.53		7.16	0.99	0.90	6.35	6.35	2.19	0.00	0.00	4.17
	151				41.37							0.00	0.00	
JUN		80.20	7.47	9.47		7.60	1.07	0.92	7.49	7.49	5.09	0.00	0.00	2.40
	181				49.59							0.00	0.00	
JUL		82.80	8.26	9.65		7.99	1.12	0.92	8.21	8.21	5.78	0.00	0.00	2.44
	212				58.08							0.00	0.00	
AUG		82.80	9.00	9.20		7.62	1.12	0.90	7.71	7.71	6.04	0.00	0.00	1.67
	243				66.58							0.00	0.00	
SEP		80.70	6.31	8.33		6.72	1.08	0.87	6.29	6.29	4.13	0.00	0.00	2.17
	273				74.79							0.00	0.00	
OCT		70.90	2.36	7.99		5.67	0.91	0.79	4.08	4.08	1.55	0.00	0.00	2.53
	304				83.29							0.00	0.00	
NOV		62.60	1.94	7.21		4.52	0.77	0.67	2.32	2.32	1.17	0.00	0.00	1.15
	334				91.51							0.00	0.00	
DEC		54.30	3.37	7.18		3.90	0.63	0.54	1.32	1.32	1.32	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.87			53.72	53.72	32.09	0.00	0.00	21.63

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.66	7.32		3.44	0.53	0.50	0.90	0.90	0.89	0.00	0.00	0.01
	31				8.49							0.00	0.00	
FEB		54.00	4.50	7.03		3.80	0.62	0.58	1.36	1.36	1.34	0.00	0.00	0.02
	59				16.16							0.00	0.00	
MAR		66.00	2.27	8.37		5.52	0.83	0.73	3.35	3.35	1.41	0.00	0.00	1.94
	90				24.66							0.00	0.00	
APR		68.10	1.66	8.70		5.93	0.86	0.85	4.34	4.34	1.12	0.00	0.00	3.21
	120				32.88							0.00	0.00	
MAY		75.20	3.02	9.53		7.16	0.99	0.90	6.35	6.35	2.15	0.00	0.00	4.20
	151				41.37							0.00	0.00	
JUN		80.20	7.47	9.47		7.80	1.07	0.92	7.49	7.49	5.02	0.00	0.00	2.47
	181				49.59							0.00	0.00	
JUL		82.80	8.26	9.65		7.99	1.12	0.92	8.21	8.21	5.69	0.00	0.00	2.52
	212				58.08							0.00	0.00	
AUG		82.80	9.00	9.20		7.62	1.12	0.90	7.71	7.71	5.95	0.00	0.00	1.76
	243				66.58							0.00	0.00	
SEP		80.70	6.31	8.33		6.72	1.08	0.87	6.29	6.29	4.07	0.00	0.00	2.23
	273				74.79							0.00	0.00	
OCT		70.90	2.36	7.99		5.67	0.91	0.79	4.08	4.08	1.52	0.00	0.00	2.55
	304				83.29							0.00	0.00	
NOV		62.60	1.94	7.21		4.52	0.77	0.67	2.32	2.32	1.16	0.00	0.00	1.17
	334				91.51							0.00	0.00	
DEC		54.30	3.37	7.18		3.90	0.63	0.54	1.32	1.32	1.30	0.00	0.00	0.02
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.87			53.72	53.72	31.63	0.00	0.00	22.09

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	21.63	22.09
95	22.77	23.25
90	24.03	24.55
85	25.45	25.99
80	27.04	27.61
75	28.84	29.46
70	30.90	31.56
65	33.28	33.99
60	36.05	36.82
55	39.33	40.17
50	43.26	44.18

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.70 TO 0.80
ANNUAL RAINFALL= 52.82 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.16 ORCHARDS WITH COVER

ORCHARDS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.66	7.32		3.44	0.53	0.84	1.16	1.02	1.02	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		54.00	4.50	7.03		3.80	0.62	0.73	1.71	1.50	1.50	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		66.00	2.27	8.37		5.52	0.83	0.86	3.91	3.44	1.44	0.00	0.00	2.00
	90				24.66							0.00	0.00	
APR		68.10	1.66	8.70		5.93	0.86	0.98	5.04	4.43	1.15	0.00	0.00	3.29
	120				32.88							0.00	0.00	
MAY		75.20	3.02	9.53		7.16	0.99	1.08	7.84	6.73	2.23	0.00	0.00	4.50
	151				41.37							0.00	0.00	
JUN		80.20	7.47	9.47		7.60	1.07	1.13	9.19	8.09	5.27	0.00	0.00	2.82
	181				49.59							0.00	0.00	
JUL		82.80	8.26	9.65		7.99	1.12	1.11	9.89	8.70	5.94	0.00	0.00	2.76
	212				58.08							0.00	0.00	
AUG		82.80	9.00	9.20		7.62	1.12	1.05	8.99	7.91	6.11	0.00	0.00	1.80
	243				66.58							0.00	0.00	
SEP		80.70	6.31	8.33		6.72	1.08	0.98	7.14	6.28	4.12	0.00	0.00	2.16
	273				74.79							0.00	0.00	
OCT		70.90	2.36	7.99		5.67	0.91	0.89	4.59	4.04	1.54	0.00	0.00	2.50
	304				83.29							0.00	0.00	
NOV		62.60	1.94	7.21		4.52	0.77	0.77	2.67	2.35	1.18	0.00	0.00	1.18
	334				91.51							0.00	0.00	
DEC		54.30	3.37	7.18		3.90	0.63	0.65	1.59	1.40	1.40	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.87			63.52	55.90	32.89	0.00	0.00	23.01

****

NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.66	7.32		3.44	0.53	0.64	1.16	1.02	0.87	0.00	0.00	0.15
	31				8.49							0.00	0.00	
FEB		54.00	4.50	7.03		3.80	0.62	0.73	1.71	1.50	1.29	0.00	0.00	0.22
	59				16.16							0.00	0.00	
MAR		66.00	2.27	8.37		5.52	0.83	0.86	3.91	3.44	1.23	0.00	0.00	2.21
	90				24.66							0.00	0.00	
APR		68.10	1.66	8.70		5.93	0.86	0.98	5.04	4.43	0.98	0.00	0.00	3.45
	120				32.88							0.00	0.00	
MAY		75.20	3.02	9.53		7.16	0.99	1.08	7.64	6.73	1.91	0.00	0.00	4.82
	151				41.37							0.00	0.00	
JUN		80.20	7.47	9.47		7.60	1.07	1.13	9.19	8.09	4.51	0.00	0.00	3.58
	181				49.59							0.00	0.00	
JUL		82.80	8.26	9.65		7.99	1.12	1.11	9.89	8.70	5.08	0.00	0.00	3.62
	212				58.08							0.00	0.00	
AUG		82.80	9.00	9.20		7.62	1.12	1.05	8.99	7.91	5.23	0.00	0.00	2.68
	243				66.58							0.00	0.00	
SEP		80.70	6.31	8.33		6.72	1.08	0.98	7.14	6.28	3.53	0.00	0.00	2.76
	273				74.79							0.00	0.00	
OCT		70.90	2.36	7.99		5.67	0.91	0.89	4.59	4.04	1.32	0.00	0.00	2.72
	304				83.29							0.00	0.00	
NOV		62.60	1.94	7.21		4.52	0.77	0.77	2.87	2.35	1.01	0.00	0.00	1.35
	334				91.51							0.00	0.00	
DEC		54.30	3.37	7.18		3.90	0.63	0.69	1.59	1.40	1.19	0.00	0.00	0.20
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.87			63.52	55.90	28.14	0.00	0.00	27.76

****

GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	23.01	27.76
95	24.22	29.22
90	25.57	30.84
85	27.07	32.66
80	28.76	34.70
75	30.68	37.01
70	32.87	39.65
65	35.40	42.70
60	38.35	46.26
55	41.84	50.47
50	46.02	55.51

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 3/15 HARVEST DATE= 6/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 52.82 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.15 MELONS & CANTALOUPES

MELONS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.66	7.32		0.00	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.00	4.50	7.03		0.00	0.62	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	2.27	8.37		2.85	0.83	0.47	1.12	1.12	0.69	0.00	0.00	0.43
	90				17.39							0.00	0.00	
APR		68.10	1.66	8.70		5.93	0.86	0.69	3.52	3.52	1.09	0.00	0.00	2.43
	120				50.00							0.00	0.00	
MAY		75.20	3.02	9.53		7.16	0.99	0.78	5.51	5.51	2.09	0.00	0.00	3.43
	151				83.70							0.00	0.00	
JUN		80.20	7.47	9.47		3.80	1.07	0.70	2.85	2.85	2.30	0.00	0.00	0.55
	181				100.00							0.00	0.00	
JUL		82.80	8.26	9.65		0.00	1.12	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		82.80	9.00	9.20		0.00	1.12	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.70	6.31	8.33		0.00	1.08	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.90	2.36	7.99		0.00	0.91	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	1.94	7.21		0.00	0.77	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.30	3.37	7.18		0.00	0.63	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						19.74			13.00	13.00	6.17	0.00	0.00	6.83

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.66	7.32		0.00	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.00	4.50	7.03		0.00	0.62	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	2.27	8.37		2.85	0.83	0.47	1.12	1.12	0.59	0.00	0.00	0.53
	90				17.39							0.00	0.00	
APR		68.10	1.66	8.70		5.93	0.86	0.69	3.52	3.52	0.93	0.00	0.00	2.59
	120				50.00							0.00	0.00	
MAY		75.20	3.02	9.53		7.16	0.99	0.78	5.51	5.51	1.78	0.00	0.00	3.73
	151				83.70							0.00	0.00	
JUN		80.20	7.47	9.47		3.80	1.07	0.70	2.85	2.85	1.97	0.00	0.00	0.88
	181				100.00							0.00	0.00	
JUL		82.80	8.26	9.65		0.00	1.12	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		82.80	9.00	9.20		0.00	1.12	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.70	6.31	8.33		0.00	1.08	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.90	2.36	7.99		0.00	0.91	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	1.94	7.21		0.00	0.77	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.30	3.37	7.18		0.00	0.63	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						19.74			13.00	13.00	5.28	0.00	0.00	7.72

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GROSS IRRIGATION REQUIREMENTS, SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	6.83	7.72
95	7.19	8.13
90	7.59	8.58
85	8.04	9.09
80	8.54	9.66
75	9.11	10.30
70	9.76	11.03
65	10.51	11.88
60	11.39	12.87
55	12.42	14.04
50	13.67	15.45

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 8/ 1
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.75
ANNUAL RAINFALL= 52.82 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO. 5 CORN,SWEET

CORN

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.66	7.32		0.00	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.00	4.50	7.03		0.00	0.62	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	2.27	8.37		5.35	0.83	0.50	2.23	1.82	1.28	0.00	0.00	0.54
	90				19.61							0.00	0.00	
APR		68.10	1.66	8.70		5.93	0.88	0.73	3.71	3.03	1.06	0.00	0.00	1.97
	120				39.22							0.00	0.00	
MAY		75.20	3.02	9.53		7.16	0.99	1.03	7.26	5.93	2.13	0.00	0.00	3.79
	151				59.48							0.00	0.00	
JUN		80.20	7.47	9.47		7.60	1.07	1.08	8.77	7.16	5.00	0.00	0.00	2.16
	181				79.08							0.00	0.00	
JUL		82.80	8.26	9.65		7.99	1.12	1.03	9.24	7.54	5.58	0.00	0.00	1.98
	212				99.35							0.00	0.00	
AUG		82.80	9.00	9.20		0.25	1.12	1.00	0.28	0.22	0.19	0.00	0.00	0.04
	243				100.00							0.00	0.00	
SEP		80.70	6.31	8.33		0.00	1.08	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.90	2.36	7.99		0.00	0.91	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	1.94	7.21		0.00	0.77	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.30	3.37	7.18		0.00	0.63	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						34.27			31.49	25.70	15.22	0.00	0.00	10.48

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.66	7.32		0.00	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.00	4.50	7.03		0.00	0.62	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	2.27	8.37		5.35	0.83	0.50	2.23	1.82	1.09	0.00	0.00	0.72
	90				19.61							0.00	0.00	
APR		68.10	1.66	8.70		5.93	0.86	0.73	3.71	3.03	0.91	0.00	0.00	2.13
	120				39.22							0.00	0.00	
MAY		75.20	3.02	9.53		7.16	0.99	1.03	7.26	5.93	1.83	0.00	0.00	4.10
	151				59.48							0.00	0.00	
JUN		80.20	7.47	9.47		7.60	1.07	1.08	8.77	7.16	4.28	0.00	0.00	2.88
	181				79.08							0.00	0.00	
JUL		82.80	8.26	9.65		7.99	1.12	1.03	9.24	7.54	4.76	0.00	0.00	2.78
	212				99.35							0.00	0.00	
AUG		82.80	9.00	9.20		0.25	1.12	1.00	0.28	0.22	0.16	0.00	0.00	0.06
	243				100.00							0.00	0.00	
SEP		80.70	6.31	8.33		0.00	1.08	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.90	2.36	7.99		0.00	0.91	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	1.94	7.21		0.00	0.77	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.30	3.37	7.18		0.00	0.63	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						34.27			31.49	25.70	13.02	0.00	0.00	12.68

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	10.48	12.68
95	11.03	13.35
90	11.65	14.09
85	12.33	14.92
80	13.10	15.85
75	13.97	16.90
70	14.97	18.11
65	16.12	19.51
60	17.47	21.13
55	19.06	23.05
50	20.96	25.36

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.45 TO 0.55
ANNUAL RAINFALL= 52.82 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.10 CITRUS

CITRUS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.66	7.32		3.44	0.53	0.64	1.15	0.99	0.99	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		54.00	4.50	7.03		3.80	0.62	0.65	1.54	1.32	1.32	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		66.00	2.27	8.37		5.52	0.83	0.67	3.08	2.64	1.38	0.00	0.00	1.26
	90				24.66							0.00	0.00	
APR		68.10	1.66	8.70		5.93	0.86	0.70	3.57	3.05	1.06	0.00	0.00	1.99
	120				32.88							0.00	0.00	
MAY		75.20	3.02	9.53		7.16	0.99	0.70	4.95	4.24	1.94	0.00	0.00	2.30
	151				41.37							0.00	0.00	
JUN		80.20	7.47	9.47		7.60	1.07	0.71	5.78	4.95	4.42	0.00	0.00	0.53
	181				49.59							0.00	0.00	
JUL		82.80	8.26	9.65		7.99	1.12	0.71	6.35	5.43	4.94	0.00	0.00	0.49
	212				58.08							0.00	0.00	
AUG		82.80	9.00	9.20		7.62	1.12	0.71	6.01	5.14	5.14	0.00	0.00	0.00
	243				66.58							0.00	0.00	
SEP		80.70	6.31	8.33		6.72	1.08	0.70	5.07	4.34	3.70	0.00	0.00	0.64
	273				74.79							0.00	0.00	
OCT		70.90	2.36	7.99		5.67	0.91	0.68	3.53	3.02	1.46	0.00	0.00	1.56
	304				83.29							0.00	0.00	
NOV		62.60	1.94	7.21		4.52	0.77	0.66	2.31	1.98	1.15	0.00	0.00	0.82
	334				91.51							0.00	0.00	
DEC		54.30	3.37	7.18		3.90	0.63	0.64	1.56	1.34	1.34	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.87			44.89	38.43	28.84	0.00	0.00	9.59

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.66	7.32		3.44	0.53	0.64	1.15	0.99	0.85	0.00	0.00	0.14
	31				8.49							0.00	0.00	
FEB		54.00	4.50	7.03		3.80	0.62	0.65	1.54	1.32	1.13	0.00	0.00	0.19
	59				16.16							0.00	0.00	
MAR		66.00	2.27	8.37		5.52	0.83	0.67	3.08	2.64	1.18	0.00	0.00	1.46
	90				24.66							0.00	0.00	
APR		68.10	1.66	8.70		5.93	0.86	0.70	3.57	3.05	0.91	0.00	0.00	2.15
	120				32.88							0.00	0.00	
MAY		75.20	3.02	9.53		7.18	0.99	0.70	4.95	4.24	1.66	0.00	0.00	2.58
	151				41.37							0.00	0.00	
JUN		80.20	7.47	9.47		7.60	1.07	0.71	5.78	4.95	3.78	0.00	0.00	1.17
	181				49.59							0.00	0.00	
JUL		82.80	8.26	9.65		7.99	1.12	0.71	6.35	5.43	4.23	0.00	0.00	1.20
	212				58.08							0.00	0.00	
AUG		82.80	9.00	9.20		7.62	1.12	0.71	6.01	5.14	4.40	0.00	0.00	0.74
	243				66.58							0.00	0.00	
SEP		80.70	6.31	8.33		6.72	1.08	0.70	5.07	4.34	3.17	0.00	0.00	1.18
	273				74.79							0.00	0.00	
OCT		70.90	2.36	7.99		5.67	0.91	0.68	3.53	3.02	1.25	0.00	0.00	1.77
	304				83.29							0.00	0.00	
NOV		62.60	1.94	7.21		4.52	0.77	0.66	2.31	1.98	0.99	0.00	0.00	0.99
	334				91.51							0.00	0.00	
DEC		54.30	3.37	7.18		3.90	0.63	0.64	1.58	1.34	1.14	0.00	0.00	0.19
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.87			44.89	38.43	24.67	0.00	0.00	13.75

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	9.59	13.75
95	10.10	14.48
90	10.66	15.28
85	11.28	16.18
80	11.99	17.19
75	12.79	18.34
70	13.70	19.65
65	14.76	21.16
60	15.99	22.92
55	17.44	25.01
50	19.18	27.51

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 8/15 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 52.82 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JUL		82.80	8.26	9.65		0.00	1.12	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
AUG		82.80	9.00	9.65		0.00	1.12	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	62				0.00							0.00	0.00	
SEP		80.70	6.31	9.65		0.00	1.08	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	92				0.00							0.00	0.00	
OCT		70.90	2.36	9.65		0.00	0.91	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	123				0.00							0.00	0.00	
NOV		62.60	1.94	9.65		0.00	0.77	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	153				0.00							0.00	0.00	
DEC		54.30	3.37	9.65		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	184				0.00							0.00	0.00	
JAN		48.60	2.66	9.65		0.00	0.53	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	215				0.00							0.00	0.00	
FEB		54.00	4.50	9.20		2.31	0.62	0.33	0.48	0.48	0.48	0.00	0.00	0.00
	243				9.56							0.00	0.00	
MAR		66.00	2.27	8.33		5.50	0.83	0.57	2.58	2.59	1.27	0.00	0.00	1.32
	274				32.35							0.00	0.00	
APR		68.10	1.66	7.99		5.44	0.86	0.78	3.68	3.69	1.02	0.00	0.00	2.67
	304				54.41							0.00	0.00	
MAY		75.20	3.02	7.21		5.43	0.99	0.80	4.28	4.28	1.80	0.00	0.00	2.48
	335				77.21							0.00	0.00	
JUN		80.20	7.47	7.18		5.76	1.07	0.59	3.63	3.63	3.63	0.00	0.00	0.00
	365				99.26							0.00	0.00	
SEASONAL TOTALS						24.43			14.66	14.66	8.20	0.00	0.00	6.46

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JUL		82.80	8.26	9.65		0.00	1.12	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
AUG		82.80	9.00	9.65		0.00	1.12	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	62				0.00							0.00	0.00	
SEP		80.70	6.31	9.65		0.00	1.08	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	92				0.00							0.00	0.00	
OCT		70.90	2.36	9.65		0.00	0.91	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	123				0.00							0.00	0.00	
NOV		62.60	1.94	9.65		0.00	0.77	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	153				0.00							0.00	0.00	
DEC		54.30	3.37	9.65		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	184				0.00							0.00	0.00	
JAN		48.60	2.66	9.65		0.00	0.53	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	215				0.00							0.00	0.00	
FEB		54.00	4.50	9.20		2.31	0.62	0.33	0.48	0.48	0.41	0.00	0.00	0.07
	243				9.56							0.00	0.00	
MAR		66.00	2.27	8.33		5.50	0.83	0.57	2.58	2.59	1.09	0.00	0.00	1.50
	274				32.35							0.00	0.00	
APR		68.10	1.66	7.99		5.44	0.86	0.78	3.68	3.69	0.87	0.00	0.00	2.82
	304				54.41							0.00	0.00	
MAY		75.20	3.02	7.21		5.43	0.99	0.80	4.28	4.28	1.54	0.00	0.00	2.74
	335				77.21							0.00	0.00	
JUN		80.20	7.47	7.18		5.76	1.07	0.59	3.63	3.63	3.11	0.00	0.00	0.52
	365				99.26							0.00	0.00	
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SEASONAL TOTALS						24.43			14.66	14.66	7.01	0.00	0.00	7.65

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	6.46	7.65
95	6.80	8.05
90	7.18	8.50
85	7.60	9.00
80	8.08	9.56
75	8.62	10.20
70	9.23	10.92
65	9.94	11.76
60	10.77	12.75
55	11.75	13.90
50	12.93	15.29

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 52.82 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.14 GRAPES

GRAPES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.66	7.32		3.44	0.53	0.20	0.36	0.39	0.39	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		54.00	4.50	7.03		3.80	0.62	0.23	0.54	0.59	0.59	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		66.00	2.27	8.37		5.52	0.83	0.32	1.45	1.56	1.30	0.00	0.00	0.26
	90				24.66							0.00	0.00	
APR		68.10	1.66	8.70		5.93	0.86	0.49	2.49	2.68	1.04	0.00	0.00	1.65
	120				32.88							0.00	0.00	
MAY		75.20	3.02	9.53		7.10	0.99	0.69	4.89	5.28	2.06	0.00	0.00	3.22
	151				41.37							0.00	0.00	
JUN		80.20	7.47	9.47		7.60	1.07	0.80	6.49	6.99	4.95	0.00	0.00	2.04
	181				49.59							0.00	0.00	
JUL		82.80	8.28	9.65		7.99	1.12	0.80	7.18	7.72	5.82	0.00	0.00	2.10
	212				58.08							0.00	0.00	
AUG		82.80	9.00	9.20		7.82	1.12	0.76	6.46	6.97	5.80	0.00	0.00	1.18
	243				66.58							0.00	0.00	
SEP		80.70	6.31	8.33		6.72	1.08	0.65	4.75	5.12	3.86	0.00	0.00	1.26
	273				74.79							0.00	0.00	
OCT		70.90	2.36	7.99		5.67	0.91	0.49	2.54	2.74	1.43	0.00	0.00	1.30
	304				83.29							0.00	0.00	
NOV		62.60	1.94	7.21		4.52	0.77	0.34	1.18	1.27	1.11	0.00	0.00	0.17
	334				91.51							0.00	0.00	
DEC		54.30	3.37	7.18		3.90	0.63	0.23	0.56	0.60	0.60	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.87			38.87	41.92	28.75	0.00	0.00	13.17

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.66	7.32		3.44	0.53	0.20	0.36	0.39	0.33	0.00	0.00	0.06
	31				8.49							0.00	0.00	
FEB		54.00	4.50	7.03		3.80	0.62	0.23	0.54	0.59	0.50	0.00	0.00	0.08
	59				16.16							0.00	0.00	
MAR		66.00	2.27	8.37		5.52	0.83	0.32	1.45	1.56	1.11	0.00	0.00	0.45
	90				24.66							0.00	0.00	
APR		68.10	1.66	8.70		5.93	0.86	0.49	2.49	2.68	0.89	0.00	0.00	1.80
	120				32.88							0.00	0.00	
MAY		75.20	3.02	9.53		7.16	0.99	0.69	4.89	5.28	1.76	0.00	0.00	3.52
	151				41.37							0.00	0.00	
JUN		80.20	7.47	9.47		7.60	1.07	0.80	6.49	6.99	4.24	0.00	0.00	2.76
	181				49.59							0.00	0.00	
JUL		82.80	8.26	9.65		7.99	1.12	0.80	7.16	7.72	4.81	0.00	0.00	2.91
	212				58.08							0.00	0.00	
AUG		82.80	9.00	9.20		7.62	1.12	0.76	6.48	6.97	4.96	0.00	0.00	2.01
	243				66.58							0.00	0.00	
SEP		80.70	6.31	8.33		6.72	1.08	0.65	4.75	5.12	3.31	0.00	0.00	1.81
	273				74.79							0.00	0.00	
OCT		70.90	2.36	7.99		5.67	0.91	0.49	2.54	2.74	1.23	0.00	0.00	1.51
	304				83.29							0.00	0.00	
NOV		62.60	1.94	7.21		4.52	0.77	0.34	1.18	1.27	0.95	0.00	0.00	0.33
	334				91.51							0.00	0.00	
DEC		54.30	3.37	7.18		3.90	0.63	0.23	0.56	0.60	0.52	0.00	0.00	0.09
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						69.87			38.87	41.92	24.60	0.00	0.00	17.32

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	13.17	17.32
95	13.87	18.24
90	14.64	19.25
85	15.50	20.38
80	16.47	21.65
75	17.57	23.10
70	18.82	24.75
65	20.27	26.65
60	21.96	28.87
55	23.95	31.50
50	26.35	34.65

Baker Co.

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GLEN ST. MARY (BAKER CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 7/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.65 TO 0.70
ANNUAL RAINFALL= 51.96 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.20 SOYBEANS

SOYBEANS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.20	3.31	7.32		0.00	0.62	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		50.60	3.74	7.03		0.00	0.56	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	3.22	8.37		5.35	0.83	0.26	1.16	1.16	1.16	0.00	0.00	0.00
	90				21.43							0.00	0.00	
APR		68.00	3.04	8.70		5.92	0.86	0.45	2.29	2.29	1.75	0.00	0.00	0.54
	120				42.86							0.00	0.00	
MAY		75.00	4.62	9.53		7.14	0.98	0.80	5.62	5.62	3.04	0.00	0.00	2.58
	151				65.00							0.00	0.00	
JUN		80.20	6.14	9.47		7.60	1.07	0.95	7.78	7.78	4.38	0.00	0.00	3.40
	181				86.43							0.00	0.00	
JUL		82.10	7.30	9.65		3.83	1.11	0.74	3.15	3.15	2.29	0.00	0.00	0.86
	212				97.14							0.00	0.00	
AUG		81.70	6.74	9.20		0.00	1.10	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	243				97.14							0.00	0.00	
SEP		79.50	6.40	8.33		0.00	1.06	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	273				97.14							0.00	0.00	
OCT		67.00	2.17	7.99		0.00	0.85	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	304				97.14							0.00	0.00	
NOV		59.70	1.99	7.21		0.00	0.72	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	334				97.14							0.00	0.00	
DEC		51.40	3.29	7.18		0.00	0.58	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	365				97.14							0.00	0.00	
SEASONAL TOTALS						29.84			20.00	20.00	12.62	0.00	0.00	7.38

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.20	3.31	7.32		0.00	0.62	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		50.60	3.74	7.03		0.00	0.56	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	3.22	8.37		5.35	0.83	0.26	1.16	1.16	0.99	0.00	0.00	0.17
	90				21.43							0.00	0.00	
APR		68.00	3.04	8.70		5.92	0.86	0.45	2.29	2.29	1.50	0.00	0.00	0.79
	120				42.86							0.00	0.00	
MAY		75.00	4.62	9.53		7.14	0.98	0.80	5.62	5.62	2.60	0.00	0.00	3.03
	151				65.00							0.00	0.00	
JUN		80.20	6.14	9.47		7.60	1.07	0.95	7.78	7.78	3.74	0.00	0.00	4.04
	181				86.43							0.00	0.00	
JUL		82.10	7.30	9.65		3.83	1.11	0.74	3.15	3.15	1.95	0.00	0.00	1.20
	212				97.14							0.00	0.00	
AUG		81.70	6.74	9.20		0.00	1.10	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	243				97.14							0.00	0.00	
SEP		79.50	6.40	8.33		0.00	1.06	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	273				97.14							0.00	0.00	
OCT		67.00	2.17	7.99		0.00	0.85	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	304				97.14							0.00	0.00	
NOV		59.70	1.99	7.21		0.00	0.72	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	334				97.14							0.00	0.00	
DEC		51.40	3.29	7.18		0.00	0.58	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	365				97.14							0.00	0.00	
SEASONAL TOTALS						29.84			20.00	20.00	10.77	0.00	0.00	9.22

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	7.38	9.22
95	7.77	9.71
90	8.20	10.25
85	8.68	10.85
80	9.23	11.53
75	9.84	12.30
70	10.54	13.18
65	11.36	14.19
60	12.30	15.37
55	13.42	16.77
50	14.76	18.45

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GLEN ST. MARY (BAKER CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 51.96 INCHES
PERCENT CHANCE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.20	3.31	7.32		3.84	0.62	0.50	1.19	1.19	1.19	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		50.60	3.74	7.03		3.56	0.56	0.58	1.15	1.15	1.15	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		66.00	3.22	8.37		5.52	0.83	0.73	3.35	3.35	1.96	0.00	0.00	1.39
	90				24.66							0.00	0.00	
APR		68.00	3.04	8.70		5.92	0.86	0.85	4.32	4.32	1.96	0.00	0.00	2.36
	120				32.88							0.00	0.00	
MAY		75.00	4.62	9.53		7.14	0.98	0.90	6.31	6.31	3.16	0.00	0.00	3.15
	151				41.37							0.00	0.00	
JUN		80.20	6.14	9.47		7.60	1.07	0.92	7.49	7.49	4.31	0.00	0.00	3.18
	181				49.59							0.00	0.00	
JUL		82.10	7.30	9.65		7.92	1.11	0.92	8.05	8.05	5.15	0.00	0.00	2.90
	212				58.08							0.00	0.00	
AUG		81.70	6.74	9.20		7.52	1.10	0.90	7.48	7.48	4.66	0.00	0.00	2.81
	243				66.58							0.00	0.00	
SEP		79.50	6.40	8.33		6.62	1.06	0.87	6.08	6.08	4.13	0.00	0.00	1.95
	273				74.79							0.00	0.00	
OCT		67.00	2.17	7.99		5.36	0.85	0.79	3.57	3.57	1.39	0.00	0.00	2.18
	304				83.29							0.00	0.00	
NOV		59.70	1.99	7.21		4.31	0.72	0.67	2.07	2.07	1.18	0.00	0.00	0.89
	334				91.51							0.00	0.00	
DEC		51.40	3.29	7.18		3.69	0.58	0.54	1.15	1.15	1.15	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.00			52.22	52.22	31.40	0.00	0.00	20.82

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.20	3.31	7.32		3.84	0.62	0.50	1.19	1.19	1.17	0.00	0.00	0.02
	31				8.49							0.00	0.00	
FEB		50.60	3.74	7.03		3.56	0.56	0.58	1.15	1.15	1.13	0.00	0.00	0.02
	59				16.16							0.00	0.00	
MAR		66.00	3.22	8.37		5.52	0.83	0.73	3.35	3.35	1.92	0.00	0.00	1.43
	90				24.66							0.00	0.00	
APR		68.00	3.04	8.70		5.92	0.86	0.85	4.32	4.32	1.93	0.00	0.00	2.39
	120				32.88							0.00	0.00	
MAY		75.00	4.62	9.53		7.14	0.98	0.90	6.31	6.31	3.11	0.00	0.00	3.20
	151				41.37							0.00	0.00	
JUN		80.20	6.14	9.47		7.60	1.07	0.92	7.49	7.49	4.24	0.00	0.00	3.25
	181				49.59							0.00	0.00	
JUL		82.10	7.30	9.65		7.92	1.11	0.92	8.05	8.05	5.07	0.00	0.00	2.98
	212				58.08							0.00	0.00	
AUG		81.70	6.74	9.20		7.52	1.10	0.90	7.48	7.48	4.59	0.00	0.00	2.89
	243				66.58							0.00	0.00	
SEP		79.50	6.40	8.33		6.62	1.08	0.87	6.08	6.08	4.06	0.00	0.00	2.02
	273				74.79							0.00	0.00	
OCT		67.00	2.17	7.99		5.36	0.85	0.79	3.57	3.57	1.37	0.00	0.00	2.20
	304				83.29							0.00	0.00	
NOV		59.70	1.99	7.21		4.31	0.72	0.67	2.07	2.07	1.17	0.00	0.00	0.91
	334				91.51							0.00	0.00	
DEC		51.40	3.29	7.18		3.69	0.58	0.54	1.15	1.15	1.13	0.00	0.00	0.02
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						69.00			52.22	52.22	30.90	0.00	0.00	21.32

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	20.82	21.32
95	21.91	22.44
90	23.13	23.69
85	24.49	25.08
80	26.02	26.65
75	27.76	28.43
70	29.74	30.46
65	32.03	32.80
60	34.69	35.54
55	37.85	38.77
50	41.63	42.64

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GLEN ST. MARY (BAKER CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.70 TO 0.80
ANNUAL RAINFALL= 51.96 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.16 ORCHARDS WITH COVER

ORCHARDS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.20	3.31	7.32		3.84	0.62	0.64	1.53	1.37	1.37	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		50.60	3.74	7.03		3.56	0.56	0.73	1.45	1.29	1.29	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		66.00	3.22	8.37		5.52	0.83	0.86	3.91	3.50	1.97	0.00	0.00	1.52
	90				24.66							0.00	0.00	
APR		68.00	3.04	8.70		5.92	0.86	0.98	5.02	4.48	1.98	0.00	0.00	2.50
	120				32.88							0.00	0.00	
MAY		75.00	4.62	9.53		7.14	0.98	1.08	7.60	6.79	3.24	0.00	0.00	3.54
	151				41.37							0.00	0.00	
JUN		80.20	6.14	9.47		7.60	1.07	1.13	9.19	8.21	4.49	0.00	0.00	3.72
	181				49.59							0.00	0.00	
JUL		82.10	7.30	9.65		7.92	1.11	1.11	9.70	8.66	5.33	0.00	0.00	3.33
	212				58.08							0.00	0.00	
AUG		81.70	6.74	9.20		7.52	1.10	1.05	8.72	7.79	4.74	0.00	0.00	3.04
	243				66.58							0.00	0.00	
SEP		79.50	6.40	8.33		6.62	1.06	0.98	6.90	6.16	4.15	0.00	0.00	2.02
	273				74.79							0.00	0.00	
OCT		67.00	2.17	7.99		5.36	0.85	0.89	4.02	3.59	1.40	0.00	0.00	2.20
	304				83.29							0.00	0.00	
NOV		59.70	1.99	7.21		4.31	0.72	0.77	2.38	2.13	1.19	0.00	0.00	0.94
	334				91.51							0.00	0.00	
DEC		51.40	3.29	7.18		3.69	0.58	0.65	1.38	1.23	1.23	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.00			61.80	55.20	32.38	0.00	0.00	22.82

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.20	3.31	7.32		3.84	0.62	0.64	1.53	1.37	1.17	0.00	0.00	0.20
	31				8.49							0.00	0.00	
FEB		50.60	3.74	7.03		3.56	0.56	0.73	1.45	1.29	1.11	0.00	0.00	0.19
	59				16.16							0.00	0.00	
MAR		66.00	3.22	8.37		5.52	0.83	0.86	3.91	3.50	1.68	0.00	0.00	1.81
	90				24.66							0.00	0.00	
APR		68.00	3.04	8.70		5.92	0.86	0.98	5.02	4.48	1.69	0.00	0.00	2.79
	120				32.88							0.00	0.00	
MAY		75.00	4.62	9.53		7.14	0.98	1.08	7.60	6.79	2.77	0.00	0.00	4.02
	151				41.37							0.00	0.00	
JUN		80.20	6.14	9.47		7.60	1.07	1.13	9.19	8.21	3.83	0.00	0.00	4.38
	181				49.59							0.00	0.00	
JUL		82.10	7.30	9.65		7.92	1.11	1.11	9.70	8.66	4.55	0.00	0.00	4.11
	212				58.08							0.00	0.00	
AUG		81.70	6.74	9.20		7.52	1.10	1.05	8.72	7.79	4.05	0.00	0.00	3.74
	243				66.58							0.00	0.00	
SEP		79.50	6.40	8.33		6.62	1.06	0.98	6.90	6.16	3.54	0.00	0.00	2.62
	273				74.79							0.00	0.00	
OCT		67.00	2.17	7.99		5.36	0.85	0.89	4.02	3.59	1.19	0.00	0.00	2.40
	304				83.29							0.00	0.00	
NOV		59.70	1.99	7.21		4.31	0.72	0.77	2.38	2.13	1.01	0.00	0.00	1.11
	334				91.51							0.00	0.00	
DEC		51.40	3.29	7.18		3.69	0.58	0.65	1.38	1.23	1.05	0.00	0.00	0.18
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.00			61.80	55.20	27.65	0.00	0.00	27.55

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	22.82	27.55
95	24.02	29.00
90	25.36	30.61
85	26.85	32.41
80	28.53	34.44
75	30.43	36.73
70	32.60	39.36
65	35.11	42.39
60	38.03	45.92
55	41.49	50.09
50	45.64	55.10

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GLEN ST. MARY (BAKER CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 3/15 HARVEST DATE= 6/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 51.96 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.15 MELONS & CANTALOUPES

MELONS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.20	3.31	7.32		0.00	0.62	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		50.60	3.74	7.03		0.00	0.56	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	3.22	8.37		2.85	0.83	0.47	1.12	1.12	0.94	0.00	0.00	0.17
	90				17.39							0.00	0.00	
APR		68.00	3.04	8.70		5.92	0.86	0.69	3.51	3.51	1.88	0.00	0.00	1.63
	120				50.00							0.00	0.00	
MAY		75.00	4.62	9.53		7.14	0.98	0.78	5.48	5.48	3.02	0.00	0.00	2.46
	151				83.70							0.00	0.00	
JUN		80.20	6.14	9.47		3.80	1.07	0.70	2.85	2.85	1.95	0.00	0.00	0.90
	181				100.00							0.00	0.00	
JUL		82.10	7.30	9.65		0.00	1.11	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		81.70	6.74	9.20		0.00	1.10	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		79.50	6.40	8.33		0.00	1.06	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		67.00	2.17	7.99		0.00	0.85	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		59.70	1.99	7.21		0.00	0.72	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		51.40	3.29	7.18		0.00	0.58	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						19.71			12.96	12.96	7.79	0.00	0.00	5.17

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.20	3.31	7.32		0.00	0.62	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		50.60	3.74	7.03		0.00	0.56	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	3.22	8.37		2.85	0.83	0.47	1.12	1.12	0.81	0.00	0.00	0.31
	90				17.39							0.00	0.00	
APR		68.00	3.04	8.70		5.92	0.86	0.69	3.51	3.51	1.60	0.00	0.00	1.91
	120				50.00							0.00	0.00	
MAY		75.00	4.62	9.53		7.14	0.98	0.78	5.48	5.48	2.58	0.00	0.00	2.91
	151				83.70							0.00	0.00	
JUN		80.20	6.14	9.47		3.80	1.07	0.70	2.85	2.85	1.66	0.00	0.00	1.19
	181				100.00							0.00	0.00	
JUL		82.10	7.30	9.65		0.00	1.11	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		81.70	6.74	9.20		0.00	1.10	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		79.50	6.40	8.33		0.00	1.06	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		67.00	2.17	7.99		0.00	0.85	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		59.70	1.99	7.21		0.00	0.72	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		51.40	3.29	7.18		0.00	0.58	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						19.71			12.96	12.96	6.65	0.00	0.00	6.31

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	5.17	6.31
95	5.44	6.64
90	5.75	7.01
85	6.09	7.42
80	6.47	7.89
75	6.90	8.41
70	7.39	9.01
65	7.96	9.71
60	8.62	10.52
55	9.40	11.47
50	10.35	12.62

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GLEN ST. MARY (BAKER CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 51.96 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.14 GRAPES

GRAPES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.20	3.31	7.32		3.84	0.62	0.20	0.48	0.52	0.52	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		50.60	3.74	7.03		3.56	0.56	0.23	0.46	0.50	0.50	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		66.00	3.22	8.37		5.52	0.83	0.32	1.45	1.58	1.58	0.00	0.00	0.00
	90				24.66							0.00	0.00	
APR		68.00	3.04	8.70		5.92	0.86	0.49	2.48	2.71	1.79	0.00	0.00	0.92
	120				32.88							0.00	0.00	
MAY		75.00	4.62	9.53		7.14	0.96	0.69	4.86	5.32	2.99	0.00	0.00	2.33
	151				41.37							0.00	0.00	
JUN		80.20	6.14	9.47		7.60	1.07	0.80	6.49	7.09	4.21	0.00	0.00	2.88
	181				49.59							0.00	0.00	
JUL		82.10	7.30	9.65		7.92	1.11	0.80	7.02	7.68	5.05	0.00	0.00	2.63
	212				58.08							0.00	0.00	
AUG		81.70	6.74	9.20		7.52	1.10	0.76	6.27	6.86	4.50	0.00	0.00	2.35
	243				66.58							0.00	0.00	
SEP		79.50	6.40	8.33		6.62	1.06	0.65	4.59	5.02	3.89	0.00	0.00	1.13
	273				74.79							0.00	0.00	
OCT		67.00	2.17	7.99		5.36	0.85	0.49	2.22	2.43	1.31	0.00	0.00	1.12
	304				83.29							0.00	0.00	
NOV		59.70	1.99	7.21		4.31	0.72	0.34	1.05	1.15	1.13	0.00	0.00	0.03
	334				91.51							0.00	0.00	
DEC		51.40	3.29	7.18		3.69	0.58	0.23	0.49	0.53	0.53	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.00			37.85	41.40	28.01	0.00	0.00	13.39

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.20	3.31	7.32		3.84	0.62	0.20	0.48	0.52	0.44	0.00	0.00	0.08
	31				8.49							0.00	0.00	
FEB		50.60	3.74	7.03		3.56	0.56	0.23	0.46	0.50	0.43	0.00	0.00	0.07
	59				16.16							0.00	0.00	
MAR		66.00	3.22	8.37		5.52	0.83	0.32	1.45	1.58	1.35	0.00	0.00	0.23
	91				24.66							0.00	0.00	
APR		66.00	3.04	8.70		5.92	0.86	0.49	2.48	2.71	1.53	0.00	0.00	1.18
	120				32.88							0.00	0.00	
MAY		75.00	4.62	9.53		7.14	0.98	0.69	4.86	5.32	2.55	0.00	0.00	2.77
	151				41.37							0.00	0.00	
JUN		80.20	6.14	9.47		7.60	1.07	0.80	6.49	7.09	3.60	0.00	0.00	3.49
	181				49.59							0.00	0.00	
JUL		82.10	7.30	9.65		7.92	1.11	0.80	7.02	7.68	4.31	0.00	0.00	3.37
	212				58.08							0.00	0.00	
AUG		81.70	6.74	9.20		7.52	1.10	0.76	6.27	6.86	3.85	0.00	0.00	3.01
	243				66.58							0.00	0.00	
SEP		79.50	6.40	8.33		6.62	1.06	0.65	4.59	5.02	3.32	0.00	0.00	1.70
	273				74.79							0.00	0.00	
OCT		67.00	2.17	7.99		5.36	0.85	0.49	2.22	2.43	1.12	0.00	0.00	1.31
	304				83.29							0.00	0.00	
NOV		59.70	1.99	7.21		4.31	0.72	0.34	1.05	1.15	0.96	0.00	0.00	0.19
	334				91.51							0.00	0.00	
DEC		51.40	3.29	7.18		3.69	0.58	0.23	0.49	0.53	0.46	0.00	0.00	0.08
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						69.00			37.85	41.40	23.92	0.00	0.00	17.48

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	13.39	17.48
95	14.09	18.40
90	14.88	19.42
85	15.75	20.57
80	16.74	21.85
75	17.85	23.31
70	19.13	24.97
65	20.60	26.89
60	22.32	29.14
55	24.35	31.78
50	26.78	34.96

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GLEN ST. MARY (BAKER CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 6/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 51.96 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO. 5 CORN,SWEET

CORN

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.20	3.31	7.32		0.00	0.62	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		50.60	3.74	7.03		0.00	0.56	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	3.22	8.37		5.35	0.83	0.53	2.33	2.26	1.79	0.00	0.00	0.47
	90				24.59							0.00	0.00	
APR		68.00	3.04	8.70		5.92	0.88	0.88	4.37	4.24	1.95	0.00	0.00	2.29
	120				49.18							0.00	0.00	
MAY		75.00	4.62	9.53		7.14	0.98	1.07	7.34	7.32	3.34	0.00	0.00	3.98
	151				74.59							0.00	0.00	
JUN		80.20	6.14	9.47		7.60	1.07	1.04	8.48	8.23	4.49	0.00	0.00	3.74
	181				99.18							0.00	0.00	
JUL		82.10	7.30	9.65		0.28	1.11	1.00	0.28	0.27	0.17	0.00	0.00	0.10
	212				100.00							0.00	0.00	
AUG		81.70	6.74	9.20		0.00	1.10	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		79.50	6.40	8.33		0.00	1.06	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		67.00	2.17	7.99		0.00	0.85	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		59.70	1.99	7.21		0.00	0.72	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		51.40	3.29	7.18		0.00	0.58	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						26.26			23.00	22.32	11.74	0.00	0.00	10.58

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.20	3.31	7.32		0.00	0.62	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		50.60	3.74	7.03		0.00	0.56	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	3.22	8.37		5.35	0.83	0.53	2.33	2.26	1.53	0.00	0.00	0.73
	90				24.59							0.00	0.00	
APR		68.00	3.04	8.70		5.92	0.86	0.86	4.37	4.24	1.67	0.00	0.00	2.57
	120				49.18							0.00	0.00	
MAY		75.00	4.62	9.53		7.14	0.98	1.07	7.54	7.32	2.85	0.00	0.00	4.47
	151				74.59							0.00	0.00	
JUN		80.20	6.14	9.47		7.60	1.07	1.04	8.48	8.23	3.83	0.00	0.00	4.39
	181				99.18							0.00	0.00	
JUL		82.10	7.30	9.65		0.26	1.11	1.00	0.28	0.27	0.15	0.00	0.00	0.13
	212				100.00							0.00	0.00	
AUG		81.70	6.74	9.20		0.00	1.10	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		79.50	6.40	8.33		0.00	1.06	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		67.00	2.17	7.99		0.00	0.85	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		59.70	1.99	7.21		0.00	0.72	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		51.40	3.29	7.18		0.00	0.58	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						26.26			23.00	22.32	10.03	0.00	0.00	12.29

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	10.58	12.29
95	11.13	12.94
90	11.75	13.66
85	12.44	14.46
80	13.22	15.36
75	14.10	16.39
70	15.11	17.56
65	16.27	18.91
60	17.63	20.49
55	19.23	22.35
50	21.15	24.58

Bre. - N.

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT TITUSVILLE (N. BREVARD CTY) AS PER SCS

LATITUDE= 28 DEG 35 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 51.43 INCHES
PERCENT CHANGE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.70	1.94	7.37		4.19	0.70	0.50	1.46	1.46	1.12	0.00	0.00	0.34
	31				8.49							0.00	0.00	
FEB		55.00	3.04	7.06		3.88	0.64	0.58	1.43	1.43	1.43	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		67.30	3.21	8.37		5.63	0.85	0.73	3.51	3.51	1.97	0.00	0.00	1.54
	90				24.66							0.00	0.00	
APR		71.00	2.03	8.68		6.16	0.91	0.85	4.77	4.77	1.40	0.00	0.00	3.37
	120				32.88							0.00	0.00	
MAY		76.40	3.25	9.48		7.25	1.01	0.90	6.56	6.56	2.36	0.00	0.00	4.20
	151				41.37							0.00	0.00	
JUN		79.50	6.27	9.42		7.49	1.06	0.92	7.30	7.30	4.34	0.00	0.00	2.96
	181				49.59							0.00	0.00	
JUL		82.70	7.62	9.60		7.94	1.12	0.92	8.15	8.15	5.37	0.00	0.00	2.77
	212				58.08							0.00	0.00	
AUG		82.30	7.00	9.18		7.36	1.11	0.90	7.58	7.58	4.84	0.00	0.00	2.74
	243				66.58							0.00	0.00	
SEP		80.00	7.49	8.33		6.66	1.07	0.87	6.17	6.17	4.74	0.00	0.00	1.42
	273				74.79							0.00	0.00	
OCT		74.40	5.34	8.01		5.96	0.97	0.79	4.57	4.57	3.25	0.00	0.00	1.32
	304				83.29							0.00	0.00	
NOV		66.70	2.22	7.26		4.84	0.84	0.67	2.72	2.72	1.36	0.00	0.00	1.36
	334				91.51							0.00	0.00	
DEC		58.70	2.02	7.24		4.25	0.70	0.54	1.62	1.62	1.17	0.00	0.00	0.44
	365				100.00							0.00	0.00	
SEASONAL TOTALS						71.81			55.83	55.83	33.35	0.00	0.00	22.48

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.70	1.94	7.37		4.19	0.70	0.50	1.46	1.46	1.10	0.00	0.00	0.36
	31				8.49							0.00	0.00	
FEB		55.00	3.04	7.06		3.88	0.64	0.58	1.43	1.43	1.40	0.00	0.00	0.02
	59				16.16							0.00	0.00	
MAR		67.30	3.21	8.37		5.63	0.85	0.73	3.51	3.51	1.93	0.00	0.00	1.57
	90				24.66							0.00	0.00	
APR		71.00	2.03	8.68		6.16	0.91	0.85	4.77	4.77	1.38	0.00	0.00	3.39
	120				32.88							0.00	0.00	
MAY		76.40	3.25	9.48		7.25	1.01	0.90	6.56	6.56	2.32	0.00	0.00	4.24
	151				41.37							0.00	0.00	
JUN		79.50	6.27	9.42		7.49	1.06	0.92	7.30	7.30	4.27	0.00	0.00	3.03
	181				49.59							0.00	0.00	
JUL		82.70	7.62	9.60		7.94	1.12	0.92	8.15	8.15	5.28	0.00	0.00	2.87
	212				58.08							0.00	0.00	
AUG		82.50	7.00	9.18		7.56	1.11	0.90	7.58	7.58	4.76	0.00	0.00	2.82
	243				66.58							0.00	0.00	
SEP		80.00	7.49	8.33		6.66	1.07	0.87	6.17	6.17	4.66	0.00	0.00	1.51
	273				74.79							0.00	0.00	
OCT		74.40	5.34	8.01		5.96	0.97	0.79	4.57	4.57	3.19	0.00	0.00	1.38
	304				83.29							0.00	0.00	
NOV		66.70	2.22	7.26		4.84	0.84	0.67	2.72	2.72	1.33	0.00	0.00	1.39
	334				91.51							0.00	0.00	
DEC		58.70	2.02	7.24		4.25	0.70	0.54	1.62	1.62	1.15	0.00	0.00	0.46
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						71.81			55.83	55.83	32.78	0.00	0.00	23.06

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	22.48	23.06
95	23.67	24.27
90	24.98	25.62
85	26.45	27.13
80	28.11	28.82
75	29.98	30.74
70	32.12	32.94
65	34.59	35.47
60	37.47	38.43
55	40.88	41.92
50	44.97	46.11

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT TITUSVILLE (N. BREVARD CTY) AS PER SCS

LATITUDE= 28 DEG 35 MIN
PLANTING DATE= 3/15 HARVEST DATE= 6/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 51.43 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.15 MELONS & CANTALOUPES

MELONS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.70	1.94	7.37		0.00	0.70	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.00	3.04	7.06		0.00	0.64	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		67.30	3.21	8.37		2.91	0.85	0.47	1.17	1.17	0.95	0.00	0.00	0.22
	90				17.39							0.00	0.00	
APR		71.00	2.03	8.68		6.16	0.91	0.69	3.87	3.87	1.33	0.00	0.00	2.54
	120				50.00							0.00	0.00	
MAY		76.40	3.25	9.48		7.25	1.01	0.78	5.70	5.70	2.25	0.00	0.00	3.45
	151				83.70							0.00	0.00	
JUN		79.50	6.27	9.42		3.74	1.06	0.70	2.78	2.78	1.97	0.00	0.00	0.81
	181				100.00							0.00	0.00	
JUL		82.70	7.82	9.60		0.00	1.12	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		82.30	7.00	9.18		0.00	1.11	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.00	7.49	8.33		0.00	1.07	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.40	5.34	8.01		0.00	0.97	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		66.70	2.22	7.26		0.00	0.84	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		58.70	2.02	7.24		0.00	0.70	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						20.06			13.52	13.52	6.50	0.00	0.00	7.02

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.70	1.94	7.37		0.00	0.70	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.00	3.04	7.06		0.00	0.64	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		67.30	3.21	8.37		2.91	0.85	0.47	1.17	1.17	0.81	0.00	0.00	0.36
	90				17.39							0.00	0.00	
APR		71.00	2.03	8.68		6.16	0.91	0.69	3.87	3.87	1.14	0.00	0.00	2.74
	120				50.00							0.00	0.00	
MAY		76.40	3.25	9.48		7.25	1.01	0.78	5.70	5.70	1.92	0.00	0.00	3.78
	151				83.70							0.00	0.00	
JUN		79.50	6.27	9.42		3.74	1.06	0.70	2.78	2.78	1.68	0.00	0.00	1.10
	181				100.00							0.00	0.00	
JUL		82.70	7.62	9.60		0.00	1.12	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		82.30	7.00	9.18		0.00	1.11	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.00	7.49	8.33		0.00	1.07	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.40	5.34	8.01		0.00	0.97	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		66.70	2.22	7.26		0.00	0.84	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		58.70	2.02	7.24		0.00	0.70	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						20.06			13.52	13.52	5.54	0.00	0.00	7.98

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	7.02	7.98
95	7.39	8.40
90	7.80	8.86
85	8.26	9.39
80	8.78	9.97
75	9.36	10.64
70	10.03	11.40
65	10.80	12.27
60	11.70	13.30
55	12.77	14.50
50	14.04	15.96

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT TITUSVILLE (N. BREVARD CTY) AS PER SCS

LATITUDE= 28 DEG 35 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.45 TO 0.55
ANNUAL RAINFALL= 51.43 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.10 CITRUS

CITRUS

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NET IRRIGATION REQUIREMENTS,NORMAL YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.70	1.94	7.37		4.19	0.70	0.64	1.87	1.57	1.13	0.00	0.00	0.44
	31				8.49							0.00	0.00	
FEB		55.00	3.04	7.06		3.88	0.64	0.65	1.82	1.36	1.36	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		67.30	3.21	8.37		5.63	0.85	0.67	3.23	2.70	1.88	0.00	0.00	0.82
	90				24.66							0.00	0.00	
APR		71.00	2.03	8.68		6.18	0.91	0.70	3.93	3.29	1.29	0.00	0.00	2.00
	120				32.88							0.00	0.00	
MAY		76.40	3.25	9.48		7.25	1.01	0.70	5.11	4.28	2.08	0.00	0.00	2.21
	151				41.37							0.00	0.00	
JUN		79.50	6.27	9.42		7.49	1.06	0.71	5.63	4.72	3.76	0.00	0.00	0.96
	181				49.59							0.00	0.00	
JUL		82.70	7.62	9.80		7.94	1.12	0.71	6.30	5.28	4.58	0.00	0.00	0.70
	212				58.08							0.00	0.00	
AUG		82.30	7.00	9.18		7.56	1.11	0.71	5.91	4.96	4.18	0.00	0.00	0.77
	243				66.58							0.00	0.00	
SEP		80.00	7.49	8.33		6.66	1.07	0.70	4.97	4.16	4.16	0.00	0.00	0.00
	273				74.79							0.00	0.00	
OCT		74.40	5.34	8.01		5.96	0.97	0.68	3.95	3.31	3.03	0.00	0.00	0.29
	304				83.29							0.00	0.00	
NOV		66.70	2.22	7.26		4.84	0.84	0.66	2.70	2.26	1.32	0.00	0.00	0.94
	334				91.51							0.00	0.00	
DEC		58.70	2.02	7.24		4.25	0.70	0.64	1.91	1.60	1.17	0.00	0.00	0.43
	365				100.00							0.00	0.00	
SEASONAL TOTALS						71.81			47.12	39.49	29.93	0.00	0.00	9.56

NET IRRIGATION REQUIREMENTS, DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.70	1.94	7.37		4.19	0.70	0.64	1.87	1.57	0.96	0.00	0.00	0.61
	31				8.49							0.00	0.00	
FEB		55.00	3.04	7.06		3.88	0.64	0.65	1.62	1.36	1.16	0.00	0.00	0.20
	59				16.16							0.00	0.00	
MAR		67.30	3.21	8.37		5.63	0.85	0.67	3.23	2.70	1.60	0.00	0.00	1.10
	90				24.66							0.00	0.00	
APR		71.00	2.03	8.68		6.16	0.91	0.70	3.93	3.29	1.10	0.00	0.00	2.19
	120				32.88							0.00	0.00	
MAY		76.40	3.25	9.48		7.25	1.01	0.70	5.11	4.28	1.77	0.00	0.00	2.51
	151				41.37							0.00	0.00	
JUN		79.50	6.27	9.42		7.49	1.06	0.71	5.63	4.72	3.20	0.00	0.00	1.51
	181				49.59							0.00	0.00	
JUL		82.70	7.62	9.60		7.94	1.12	0.71	6.30	5.28	3.90	0.00	0.00	1.37
	212				58.08							0.00	0.00	
AUG		82.30	7.00	9.18		7.56	1.11	0.71	5.91	4.96	3.57	0.00	0.00	1.39
	243				66.58							0.00	0.00	
SEP		80.00	7.49	8.33		6.66	1.07	0.70	4.97	4.16	3.55	0.00	0.00	0.61
	273				74.79							0.00	0.00	
OCT		74.40	5.34	8.01		5.96	0.97	0.68	3.95	3.31	2.58	0.00	0.00	0.73
	304				83.29							0.00	0.00	
NOV		66.70	2.22	7.26		4.84	0.84	0.68	2.70	2.26	1.13	0.00	0.00	1.14
	334				91.51							0.00	0.00	
DEC		58.70	2.02	7.24		4.25	0.70	0.64	1.91	1.60	1.00	0.00	0.00	0.60
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						71.81			47.12	39.49	25.53	0.00	0.00	13.96

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GROSS IRRIGATION REQUIREMENTS, SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	9.56	13.96
95	10.06	14.70
90	10.62	15.52
85	11.25	16.43
80	11.95	17.46
75	12.75	18.62
70	13.66	19.95
65	14.71	21.48
60	15.93	23.27
55	17.38	25.39
50	19.12	27.93

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT TITUSVILLE (N. BREVARD CTY) AS PER SCS

LATITUDE= 28 DEG 35 MIN
PLANTING DATE= 3/15 HARVEST DATE= 7/31
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 51.43 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.70	1.94	7.37		0.00	0.70	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.00	3.04	7.06		0.00	0.64	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		67.30	3.21	8.37		2.91	0.85	0.35	0.86	0.86	0.85	0.00	0.00	0.01
	90				11.59							0.00	0.00	
APR		71.00	2.03	8.68		6.18	0.91	0.59	3.32	3.32	1.20	0.00	0.00	2.13
	120				33.33							0.00	0.00	
MAY		76.40	3.25	9.48		7.25	1.01	0.79	5.76	5.76	2.08	0.00	0.00	3.67
	151				55.80							0.00	0.00	
JUN		79.50	6.27	9.42		7.49	1.06	0.80	6.33	6.33	3.80	0.00	0.00	2.53
	181				77.54							0.00	0.00	
JUL		82.70	7.62	9.60		7.94	1.12	0.88	5.13	5.13	4.20	0.00	0.00	0.93
	212				100.00							0.00	0.00	
AUG		82.30	7.00	9.18		0.00	1.11	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.00	7.49	8.33		0.00	1.07	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.40	5.34	8.01		0.00	0.97	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		66.70	2.22	7.26		0.00	0.84	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		58.70	2.02	7.24		0.00	0.70	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						31.75			21.39	21.39	12.13	0.00	0.00	9.27

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.70	1.94	7.37		0.00	0.70	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.00	3.04	7.06		0.00	0.64	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		67.30	3.21	8.37		2.91	0.85	0.35	0.86	0.86	0.72	0.00	0.00	0.13
	90				11.59							0.00	0.00	
APR		71.00	2.03	8.68		6.16	0.91	0.59	3.32	3.32	1.02	0.00	0.00	2.30
	120				33.33							0.00	0.00	
MAY		76.40	3.25	9.48		7.25	1.01	0.79	5.76	5.76	1.78	0.00	0.00	3.98
	151				55.80							0.00	0.00	
JUN		79.50	6.27	9.42		7.49	1.06	0.80	6.33	6.33	3.24	0.00	0.00	3.09
	181				77.54							0.00	0.00	
JUL		82.70	7.62	9.60		7.94	1.12	0.58	5.13	5.13	3.58	0.00	0.00	1.55
	212				100.00							0.00	0.00	
AUG		82.30	7.00	9.18		0.00	1.11	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.00	7.49	8.33		0.00	1.07	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.40	5.34	8.01		0.00	0.97	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		66.70	2.22	7.26		0.00	0.84	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		58.70	2.02	7.24		0.00	0.70	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						31.75			21.39	21.39	10.34	0.00	0.00	11.05

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	9.27	11.05
95	9.75	11.63
90	10.30	12.28
85	10.90	13.00
80	11.58	13.81
75	12.36	14.73
70	13.24	15.79
65	14.26	17.00
60	15.44	18.42
55	16.85	20.09
50	18.53	22.10

BREV. CO. – SOUTH

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT MELBOURNE (S. BREVARD CTY) AS PER SCS

LATITUDE= 28 DEG 4 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 45.65 INCHES
PERCENT CHANCE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		60.80	2.25	7.40		4.35	0.74	0.50	1.60	1.60	1.29	0.00	0.00	0.31
	31				8.49							0.00	0.00	
FEB		56.20	2.83	7.07		3.97	0.66	0.58	1.51	1.51	1.51	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		78.90	2.74	8.37		6.60	1.05	0.73	5.08	5.08	1.87	0.00	0.00	3.22
	90				24.66							0.00	0.00	
APR		79.60	2.08	8.67		6.90	1.06	0.85	6.21	6.21	1.55	0.00	0.00	4.66
	120				32.88							0.00	0.00	
MAY		74.80	3.69	9.46		7.08	0.98	0.90	6.23	6.23	2.59	0.00	0.00	3.64
	151				41.37							0.00	0.00	
JUN		81.90	5.55	9.39		7.69	1.10	0.92	7.79	7.79	4.02	0.00	0.00	3.77
	181				49.59							0.00	0.00	
JUL		83.20	5.42	9.58		7.97	1.13	0.92	8.24	8.24	4.04	0.00	0.00	4.21
	212				58.08							0.00	0.00	
AUG		82.00	4.86	9.17		7.52	1.10	0.90	7.51	7.51	3.53	0.00	0.00	3.98
	243				66.58							0.00	0.00	
SEP		80.10	7.00	8.32		6.66	1.07	0.87	6.18	6.18	4.48	0.00	0.00	1.70
	273				74.79							0.00	0.00	
OCT		75.80	4.71	8.02		6.08	1.00	0.79	4.78	4.78	2.95	0.00	0.00	1.83
	304				83.29							0.00	0.00	
NOV		68.70	2.65	7.28		5.00	0.87	0.67	2.93	2.93	1.61	0.00	0.00	1.32
	334				91.51							0.00	0.00	
DEC		60.20	1.85	7.27		4.37	0.73	0.54	1.72	1.72	1.09	0.00	0.00	0.64
	365				100.00							0.00	0.00	
SEASONAL TOTALS						74.21			59.79	59.79	30.52	0.00	0.00	29.28

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		60.80	2.25	7.40		4.35	0.74	0.50	1.60	1.60	1.26	0.00	0.00	0.33
	31				8.49							0.00	0.00	
FEB		56.20	2.83	7.07		3.97	0.66	0.58	1.51	1.51	1.48	0.00	0.00	0.03
	59				16.16							0.00	0.00	
MAR		78.90	2.74	8.37		6.60	1.05	0.73	5.08	5.08	1.83	0.00	0.00	3.25
	90				24.66							0.00	0.00	
APR		79.60	2.08	8.67		6.90	1.06	0.85	6.21	6.21	1.52	0.00	0.00	4.69
	120				32.88							0.00	0.00	
MAY		74.80	3.69	9.46		7.08	0.98	0.90	6.23	6.23	2.54	0.00	0.00	3.70
	151				41.37							0.00	0.00	
JUN		81.90	5.55	9.39		7.69	1.10	0.92	7.79	7.79	3.94	0.00	0.00	3.85
	181				49.59							0.00	0.00	
JUL		83.20	5.42	9.58		7.97	1.13	0.92	8.24	8.24	3.96	0.00	0.00	4.29
	212				58.08							0.00	0.00	
AUG		82.00	4.86	9.17		7.52	1.10	0.90	7.51	7.51	3.46	0.00	0.00	4.05
	243				66.58							0.00	0.00	
SEP		80.10	7.00	8.32		6.66	1.07	0.87	6.18	6.18	4.39	0.00	0.00	1.79
	273				74.79							0.00	0.00	
OCT		75.80	4.71	8.02		6.08	1.00	0.79	4.78	4.78	2.89	0.00	0.00	1.89
	304				83.29							0.00	0.00	
NOV		68.70	2.65	7.28		5.00	0.87	0.67	2.93	2.93	1.58	0.00	0.00	1.35
	334				91.51							0.00	0.00	
DEC		60.20	1.85	7.27		4.37	0.73	0.54	1.72	1.72	1.07	0.00	0.00	0.66
	365				100.00							0.00	0.00	
SEASONAL TOTALS						74.21			59.79	59.79	29.90	0.00	0.00	29.89

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GROSS IRRIGATION REQUIREMENTS, SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	29.28	29.89
95	30.82	31.46
90	32.53	33.21
85	34.44	35.16
80	36.60	37.36
75	39.03	39.85
70	41.82	42.69
65	45.04	45.98
60	48.79	49.81
55	53.23	54.34
50	58.55	59.77

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT MELBOURNE (S. BREVARD CTY) AS PER SCS

LATITUDE= 28 DEG 4 MIN
PLANTING DATE= 3/15 HARVEST DATE= 6/15
NORMAL NET IRRIGATION= 0.20 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 45.65 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.15 MELONS & CANTALOUPES

MELONS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		60.80	2.25	7.40		0.00	0.74	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		56.20	2.83	7.07		0.00	0.66	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		78.90	2.74	8.37		3.41	1.05	0.47	1.70	1.67	0.62	0.00	0.00	1.05
	90				17.39							0.00	0.00	
APR		79.60	2.08	8.67		6.90	1.08	0.69	5.04	4.98	1.03	0.00	0.00	3.93
	120				50.00							0.00	0.00	
MAY		74.80	3.69	9.46		7.08	0.98	0.78	5.41	5.32	1.75	0.00	0.00	3.58
	151				83.70							0.00	0.00	
JUN		81.90	5.55	9.39		3.85	1.10	0.70	2.97	2.92	1.28	0.00	0.00	1.64
	181				100.00							0.00	0.00	
JUL		83.20	5.42	9.58		0.00	1.13	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		82.00	4.86	9.17		0.00	1.10	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.10	7.00	8.32		0.00	1.07	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		75.80	4.71	8.02		0.00	1.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		68.70	2.65	7.28		0.00	0.87	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		60.20	1.85	7.27		0.00	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						21.24			15.12	14.86	4.67	0.00	0.00	10.20

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		60.80	2.25	7.40		0.00	0.74	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		56.20	2.83	7.07		0.00	0.66	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		78.90	2.74	8.37		3.41	1.05	0.47	1.70	1.67	0.52	0.00	0.00	1.15
	90				17.39							0.00	0.00	
APR		79.60	2.08	8.67		6.90	1.06	0.69	5.04	4.96	0.87	0.00	0.00	4.09
	120				50.00							0.00	0.00	
MAY		74.80	3.69	9.46		7.08	0.98	0.78	5.41	5.32	1.47	0.00	0.00	3.85
	151				83.70							0.00	0.00	
JUN		81.90	5.55	9.39		3.85	1.10	0.70	2.97	2.92	1.08	0.00	0.00	1.84
	181				100.00							0.00	0.00	
JUL		83.20	5.42	9.58		0.00	1.13	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		82.00	4.86	9.17		0.00	1.10	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.10	7.00	8.32		0.00	1.07	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		75.80	4.71	8.02		0.00	1.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		68.70	2.65	7.28		0.00	0.87	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		60.20	1.85	7.27		0.00	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						21.24			15.12	14.86	3.93	0.00	0.00	10.94

****

GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	10.20	10.94
95	10.73	11.51
90	11.33	12.15
85	12.00	12.87
80	12.74	13.67
75	13.59	14.58
70	14.57	15.62
65	15.69	16.83
60	16.99	18.23
55	18.54	19.89
50	20.39	21.87

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT MELBOURNE (S. BREVARD CTY) AS PER SCS

LATITUDE= 28 DEG 4 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.45 TO 0.55
ANNUAL RAINFALL= 45.65 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.10 CITRUS

CITRUS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		60.80	2.25	7.40		4.35	0.74	0.64	2.04	1.64	1.29	0.00	0.00	0.35
	31				8.49							0.00	0.00	
FEB		56.20	2.83	7.07		3.97	0.66	0.65	1.71	1.38	1.38	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		78.90	2.74	8.37		6.60	1.05	0.67	4.68	3.77	1.74	0.00	0.00	2.03
	90				24.66							0.00	0.00	
APR		79.60	2.08	8.67		6.90	1.06	0.70	5.11	4.12	1.38	0.00	0.00	2.73
	120				32.88							0.00	0.00	
MAY		74.30	3.69	9.46		7.08	0.98	0.70	4.86	3.91	2.27	0.00	0.00	1.64
	151				41.37							0.00	0.00	
JUN		81.90	5.55	9.39		7.69	1.10	0.71	6.01	4.84	3.41	0.00	0.00	1.43
	181				49.59							0.00	0.00	
JUL		83.20	5.42	9.58		7.97	1.13	0.71	6.37	5.13	3.39	0.00	0.00	1.74
	212				58.08							0.00	0.00	
AUG		82.00	4.86	9.17		7.58	1.10	0.71	5.86	4.72	3.02	0.00	0.00	1.70
	243				66.58							0.00	0.00	
SEP		80.10	7.00	8.32		6.66	1.07	0.70	4.98	4.01	3.97	0.00	0.00	0.04
	273				74.79							0.00	0.00	
OCT		75.80	4.71	8.02		6.08	1.00	0.68	4.13	3.33	2.72	0.00	0.00	0.61
	304				83.29							0.00	0.00	
NOV		68.70	2.65	7.28		5.00	0.87	0.66	2.91	2.34	1.56	0.00	0.00	0.78
	334				91.51							0.00	0.00	
DEC		60.20	1.85	7.27		4.37	0.73	0.64	2.04	1.64	1.08	0.00	0.00	0.56
	365				100.00							0.00	0.00	
SEASONAL TOTALS						74.21			50.69	40.82	27.21	0.00	0.00	13.61

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	1				0.00							0.00	0.00	
JAN		60.80	2.25	7.40		4.35	0.74	0.64	2.04	1.64	1.09	0.00	0.00	0.56
	31				8.49							0.00	0.00	
FEB		56.20	2.83	7.07		3.97	0.66	0.65	1.71	1.38	1.16	0.00	0.00	0.22
	59				16.16							0.00	0.00	
MAR		78.90	2.74	8.37		6.60	1.05	0.67	4.68	3.77	1.46	0.00	0.00	2.31
	90				24.66							0.00	0.00	
APR		79.60	2.08	8.67		6.90	1.06	0.70	5.11	4.12	1.16	0.00	0.00	2.95
	120				32.88							0.00	0.00	
MAY		74.80	3.69	9.46		7.08	0.98	0.70	4.86	3.91	1.91	0.00	0.00	2.00
	151				41.37							0.00	0.00	
JUN		81.90	5.55	9.39		7.69	1.10	0.71	6.01	4.84	2.87	0.00	0.00	1.97
	181				49.59							0.00	0.00	
JUL		83.20	5.42	9.58		7.97	1.13	0.71	6.37	5.13	2.86	0.00	0.00	2.27
	212				58.08							0.00	0.00	
AUG		82.00	4.86	9.17		7.52	1.10	0.71	5.86	4.72	2.54	0.00	0.00	2.18
	243				66.58							0.00	0.00	
SEP		80.10	7.00	8.32		6.66	1.07	0.70	4.98	4.01	3.34	0.00	0.00	0.67
	273				74.79							0.00	0.00	
OCT		75.80	4.71	8.02		6.08	1.00	0.68	4.13	3.33	2.29	0.00	0.00	1.04
	304				83.29							0.00	0.00	
NOV		68.70	2.65	7.28		5.00	0.87	0.66	2.91	2.34	1.31	0.00	0.00	1.03
	334				91.51							0.00	0.00	
DEC		60.20	1.85	7.27		4.37	0.73	0.66	2.04	1.64	0.91	0.00	0.00	0.73
	365				100.00							0.00	0.00	
SEASONAL TOTALS						74.21			50.69	40.82	22.89	0.00	0.00	17.93

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	13.61	17.93
95	14.33	18.87
90	15.12	19.92
85	16.01	21.09
80	17.01	22.41
75	18.15	23.90
70	19.44	25.61
65	20.94	27.58
60	22.68	29.88
55	24.74	32.59
50	27.22	35.85

Duval Co.

IRRIGATION REQUIREMENTS FOR CROP PRUDUCTION
AT JACKSONVILLE (DUVAL CTY) AS PER SCS

LATITUDE= 30 DEG 39 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 51.07 INCHES
PERCENT CHANCE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		53.30	2.91	7.27		3.75	0.61	0.50	1.14	1.14	1.14	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		51.20	3.59	7.00		3.58	0.57	0.58	1.18	1.18	1.18	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		62.40	3.44	8.36		5.22	0.77	0.73	2.93	2.93	2.02	0.00	0.00	0.90
	90				24.66							0.00	0.00	
APR		68.10	2.95	8.72		5.94	0.86	0.85	4.35	4.35	1.91	0.00	0.00	2.43
	120				32.88							0.00	0.00	
MAY		75.20	4.36	9.57		7.19	0.99	0.90	6.38	6.38	3.02	0.00	0.00	3.36
	151				41.37							0.00	0.00	
JUN		80.30	5.71	9.53		7.65	1.08	0.92	7.56	7.56	4.06	0.00	0.00	3.49
	181				49.59							0.00	0.00	
JUL		83.70	6.41	9.70		8.12	1.13	0.92	8.46	8.46	4.72	0.00	0.00	3.74
	212				58.08							0.00	0.00	
AUG		83.10	7.46	9.23		7.67	1.12	0.90	7.79	7.79	5.17	0.00	0.00	2.62
	243				66.58							0.00	0.00	
SEP		80.90	6.62	8.34		6.74	1.09	0.87	6.33	6.33	4.31	0.00	0.00	2.03
	273				74.79							0.00	0.00	
OCT		68.50	3.50	7.98		5.46	0.87	0.79	3.75	3.75	2.15	0.00	0.00	1.60
	304				83.29							0.00	0.00	
NOV		61.30	1.70	7.17		4.40	0.75	0.67	2.20	2.20	1.03	0.00	0.00	1.16
	334				91.51							0.00	0.00	
DEC		52.70	2.42	7.13		3.76	0.60	0.54	1.22	1.22	1.22	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.49			53.28	53.28	31.94	0.00	0.00	21.34

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		53.30	2.91	7.27		3.75	0.61	0.50	1.14	1.14	1.11	0.00	0.00	0.02
	31				8.49							0.00	0.00	
FEB		51.20	3.59	7.00		3.58	0.57	0.58	1.18	1.18	1.16	0.00	0.00	0.02
	59				16.16							0.00	0.00	
MAR		62.40	3.44	8.36		5.22	0.77	0.73	2.93	2.93	1.99	0.00	0.00	0.94
	90				24.66							0.00	0.00	
APR		68.10	2.95	8.72		5.94	0.86	0.85	4.35	4.35	1.88	0.00	0.00	2.47
	120				32.88							0.00	0.00	
MAY		75.20	4.36	9.57		7.19	0.99	0.90	6.38	6.38	2.96	0.00	0.00	3.42
	151				41.37							0.00	0.00	
JUN		80.30	5.71	9.53		7.65	1.08	0.92	7.56	7.56	3.99	0.00	0.00	3.57
	181				49.59							0.00	0.00	
JUL		83.70	6.41	9.70		8.12	1.13	0.92	8.46	8.46	4.64	0.00	0.00	3.83
	212				58.08							0.00	0.00	
AUG		83.10	7.46	9.23		7.67	1.12	0.90	7.79	7.79	5.08	0.00	0.00	2.71
	243				66.58							0.00	0.00	
SEP		80.90	6.62	8.34		6.74	1.09	0.87	6.33	6.33	4.23	0.00	0.00	2.10
	273				74.79							0.00	0.00	
OCT		68.50	3.50	7.98		5.46	0.87	0.79	3.75	3.75	2.11	0.00	0.00	1.64
	304				83.29							0.00	0.00	
NOV		61.30	1.70	7.17		4.40	0.75	0.67	2.20	2.20	1.01	0.00	0.00	1.18
	334				91.51							0.00	0.00	
DEC		52.70	2.42	7.13		3.76	0.80	0.54	1.22	1.22	1.19	0.00	0.00	0.02
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						69.49			53.28	53.28	31.37	0.00	0.00	21.91

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GROSS IRRIGATION REQUIREMENTS, SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	21.34	21.91
95	22.47	23.07
90	23.71	24.35
85	25.11	25.78
80	26.68	27.39
75	28.46	29.22
70	30.49	31.30
65	32.83	33.71
60	35.57	36.52
55	38.80	39.84
50	42.68	43.82

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT JACKSONVILLE (DUVAL CTY) AS PER SCS

LATITUDE= 30 DEG 39 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.70 TO 0.80
ANNUAL RAINFALL= 51.07 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.16 ORCHARDS WITH COVER

ORCHARDS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		53.30	2.91	7.27		3.75	0.61	0.64	1.46	1.28	1.28	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		51.20	3.59	7.00		3.58	0.57	0.73	1.49	1.31	1.31	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		62.40	3.44	8.36		5.22	0.77	0.86	3.42	3.01	2.03	0.00	0.00	0.98
	90				24.66							0.00	0.00	
APR		68.10	2.95	8.72		5.94	0.86	0.98	5.05	4.45	1.93	0.00	0.00	2.53
	120				32.88							0.00	0.00	
MAY		75.20	4.36	9.57		7.19	0.99	1.08	7.68	6.77	3.08	0.00	0.00	3.69
	151				41.37							0.00	0.00	
JUN		80.30	5.71	9.53		7.65	1.08	1.13	9.27	3.18	4.21	0.00	0.00	3.97
	181				49.59							0.00	0.00	
JUL		83.70	6.41	9.70		8.12	1.13	1.11	10.19	8.98	4.86	0.00	0.00	4.12
	212				58.08							0.00	0.00	
AUG		83.10	7.46	9.23		7.67	1.12	1.05	9.09	8.01	5.24	0.00	0.00	2.78
	243				66.58							0.00	0.00	
SEP		80.90	6.62	8.34		6.74	1.09	0.98	7.19	6.34	4.31	0.00	0.00	2.03
	273				74.79							0.00	0.00	
OCT		68.50	3.50	7.98		5.46	0.87	0.89	4.23	3.73	2.15	0.00	0.00	1.58
	304				83.29							0.00	0.00	
NOV		61.30	1.70	7.17		4.40	0.75	0.77	2.53	2.23	1.03	0.00	0.00	1.19
	334				91.51							0.00	0.00	
DEC		52.70	2.42	7.13		3.76	0.60	0.65	1.46	1.29	1.29	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.49			63.04	55.59	32.72	0.00	0.00	22.87

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		53.30	2.91	7.27		3.75	0.61	0.64	1.46	1.28	1.09	0.00	0.00	0.19
	31				8.49							0.00	0.00	
FEB		51.20	3.59	7.00		3.58	0.57	0.73	1.49	1.31	1.12	0.00	0.00	0.19
	59				16.16							0.00	0.00	
MAR		62.40	3.44	8.36		5.22	0.77	0.86	3.42	3.01	1.73	0.00	0.00	1.28
	90				24.66							0.00	0.00	
APR		68.10	2.95	8.72		5.94	0.86	0.98	5.05	4.45	1.64	0.00	0.00	2.81
	120				32.88							0.00	0.00	
MAY		75.20	4.36	9.57		7.19	0.99	1.08	7.68	6.77	2.63	0.00	0.00	4.14
	151				41.37							0.00	0.00	
JUN		80.30	5.71	9.53		7.65	1.08	1.13	9.27	8.18	3.59	0.00	0.00	4.59
	181				49.59							0.00	0.00	
JUL		83.70	6.41	9.70		8.12	1.13	1.11	10.19	8.98	4.14	0.00	0.00	4.84
	212				58.08							0.00	0.00	
AUG		83.10	7.46	9.23		7.67	1.12	1.05	9.09	8.01	4.46	0.00	0.00	3.55
	243				66.58							0.00	0.00	
SEP		80.90	6.62	8.34		6.74	1.09	0.98	7.19	6.34	3.67	0.00	0.00	2.67
	273				74.79							0.00	0.00	
OCT		68.50	3.50	7.98		5.46	0.87	0.89	4.23	3.73	1.83	0.00	0.00	1.90
	304				83.29							0.00	0.00	
NOV		61.30	1.70	7.17		4.40	0.75	0.77	2.53	2.23	0.88	0.00	0.00	1.35
	334				91.51							0.00	0.00	
DEC		52.70	2.42	7.13		3.76	0.60	0.65	1.46	1.29	1.10	0.00	0.00	0.19
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						69.49			63.04	55.59	27.88	0.00	0.00	27.71

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	22.87	27.71
95	24.07	29.17
90	25.41	30.79
85	26.91	32.60
80	28.59	34.64
75	30.49	36.95
70	32.67	39.59
65	35.19	42.63
60	38.12	46.18
55	41.58	50.38
50	45.74	55.42

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT JACKSONVILLE (DUVAL CTY) AS PER SCS

LATITUDE= 30 DEG 39 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 51.07 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.14 GRAPES

GRAPES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		53.30	2.91	7.27		3.75	0.61	0.20	0.45	0.49	0.49	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		51.20	3.59	7.00		3.58	0.57	0.23	0.47	0.51	0.51	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		62.40	3.44	8.36		5.22	0.77	0.32	1.26	1.36	1.36	0.00	0.00	0.00
	90				24.66							0.00	0.00	
APR		68.10	2.95	8.72		5.94	0.86	0.49	2.49	2.68	1.74	0.00	0.00	0.94
	120				32.88							0.00	0.00	
MAY		75.20	4.36	9.57		7.19	0.99	0.69	4.91	5.28	2.84	0.00	0.00	2.44
	151				41.37							0.00	0.00	
JUN		80.30	5.71	9.53		7.65	1.08	0.80	6.54	7.03	3.95	0.00	0.00	3.08
	181				49.59							0.00	0.00	
JUL		83.70	6.41	9.70		8.12	1.13	0.80	7.37	7.93	4.58	0.00	0.00	3.35
	212				58.08							0.00	0.00	
AUG		83.10	7.46	9.23		7.67	1.12	0.76	6.54	7.02	4.96	0.00	0.00	2.07
	243				66.58							0.00	0.00	
SEP		80.90	6.62	8.34		6.74	1.09	0.65	4.78	5.13	4.03	0.00	0.00	1.11
	273				74.79							0.00	0.00	
OCT		68.50	3.50	7.98		5.46	0.87	0.49	2.34	2.51	2.01	0.00	0.00	0.50
	304				83.29							0.00	0.00	
NOV		61.30	1.70	7.17		4.40	0.75	0.34	1.12	1.20	0.98	0.00	0.00	0.22
	334				91.51							0.00	0.00	
DEC		52.70	2.42	7.13		3.76	0.60	0.23	0.52	0.55	0.55	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.49			38.80	41.70	27.99	0.00	0.00	13.71

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		53.50	2.91	7.27		3.75	0.61	0.20	0.45	0.49	0.42	0.00	0.00	0.07
	31				8.49							0.00	0.00	
FEB		51.20	3.59	7.00		3.58	0.57	0.23	0.47	0.51	0.43	0.00	0.00	0.08
	59				16.16							0.00	0.00	
MAR		62.40	3.44	8.36		5.22	0.77	0.32	1.26	1.36	1.16	0.00	0.00	0.20
	90				24.66							0.00	0.00	
APR		68.10	2.95	8.72		5.94	0.86	0.49	2.49	2.68	1.49	0.00	0.00	1.19
	120				32.88							0.00	0.00	
MAY		75.20	4.36	9.57		7.19	0.99	0.69	4.91	5.28	2.42	0.00	0.00	2.86
	151				41.37							0.00	0.00	
JUN		80.30	5.71	9.53		7.65	1.08	0.80	6.54	7.03	3.36	0.00	0.00	3.67
	181				49.59							0.00	0.00	
JUL		83.70	6.41	9.70		8.12	1.13	0.80	7.37	7.93	3.90	0.00	0.00	4.02
	212				58.08							0.00	0.00	
AUG		83.10	7.46	9.23		7.67	1.12	0.76	6.54	7.02	4.22	0.00	0.00	2.80
	243				66.58							0.00	0.00	
SEP		80.90	6.62	8.34		6.74	1.09	0.65	4.78	5.13	3.43	0.00	0.00	1.70
	273				74.79							0.00	0.00	
OCT		68.50	3.50	7.98		5.46	0.87	0.49	2.34	2.51	1.71	0.00	0.00	0.80
	304				83.29							0.00	0.00	
NOV		61.30	1.70	7.17		4.40	0.75	0.34	1.12	1.20	0.83	0.00	0.00	0.37
	334				91.51							0.00	0.00	
DEC		52.70	2.42	7.13		3.76	0.60	0.23	0.52	0.55	0.47	0.00	0.00	0.08
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.49			38.80	41.70	23.85	0.00	0.00	17.85

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	13.71	17.85
95	14.43	18.79
90	15.23	19.83
85	16.13	21.00
80	17.14	22.31
75	18.28	23.80
70	19.59	25.50
65	21.09	27.46
60	22.85	29.75
55	24.93	32.45
50	27.42	35.70

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT JACKSONVILLE (DUVAL CTY) AS PER SCS

LATITUDE= 30 DEG 39 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 6/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 51.07 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO. 5 CORN,SWEET

CORN

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		53.30	2.91	7.27		0.00	0.61	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		51.20	3.59	7.00		0.00	0.57	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		62.40	3.44	8.36		5.05	0.77	0.53	2.03	1.97	1.86	0.00	0.00	0.10
	90				24.59							0.00	0.00	
APR		68.10	2.95	8.72		5.94	0.86	0.88	4.39	4.26	1.90	0.00	0.00	2.35
	120				49.18							0.00	0.00	
MAY		75.20	4.38	9.57		7.19	0.99	1.07	7.62	7.38	3.19	0.00	0.00	4.19
	151				74.59							0.00	0.00	
JUN		80.30	5.71	9.53		7.65	1.08	1.04	8.55	8.29	4.23	0.00	0.00	4.05
	181				99.18							0.00	0.00	
JUL		83.70	6.41	9.70		0.26	1.13	1.00	0.30	0.29	0.16	0.00	0.00	0.13
	212				100.00							0.00	0.00	
AUG		83.10	7.46	9.23		0.00	1.12	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.90	6.62	8.34		0.00	1.09	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		68.50	3.50	7.98		0.00	0.87	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		61.30	1.70	7.17		0.00	0.75	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.70	2.42	7.13		0.00	0.60	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						26.10			22.90	22.18	11.35	0.00	0.00	10.84

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		53.30	2.91	7.27		0.00	0.61	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		51.20	3.59	7.00		0.00	0.57	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		62.40	3.44	8.36		5.05	0.77	0.53	2.03	1.97	1.59	0.00	0.00	0.38
	90				24.59							0.00	0.00	
APR		68.10	2.95	8.72		5.94	0.86	0.86	4.39	4.26	1.62	0.00	0.00	2.63
	120				49.18							0.00	0.00	
MAY		75.20	4.36	9.57		7.19	0.99	1.07	7.62	7.38	2.72	0.00	0.00	4.67
	151				74.59							0.00	0.00	
JUN		80.30	5.71	9.53		7.65	1.08	1.04	8.55	8.29	3.61	0.00	0.00	4.68
	181				99.18							0.00	0.00	
JUL		83.70	6.41	9.70		0.26	1.13	1.00	0.30	0.29	0.13	0.00	0.00	0.16
	212				100.00							0.00	0.00	
AUG		83.10	7.46	9.23		0.00	1.12	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.90	6.62	8.34		0.00	1.09	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		68.50	3.50	7.98		0.00	0.87	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		61.30	1.70	7.17		0.00	0.75	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.70	2.42	7.13		0.00	0.60	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						26.10			22.90	22.18	9.67	0.00	0.00	12.51

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	10.84	12.51
95	11.41	13.17
90	12.04	13.90
85	12.75	14.72
80	13.55	15.64
75	14.45	16.69
70	15.48	17.88
65	16.67	19.25
60	18.06	20.86
55	19.70	22.75
50	21.67	25.03

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT JACKSONVILLE (DUVAL CTY) AS PER SCS

LATITUDE= 30 DEG 39 MIN
PLANTING DATE= 8/31 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 51.07 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JUL		83.70	6.41	9.70		0.00	1.13	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
AUG		83.10	7.48	9.70		0.00	1.12	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	62				0.00							0.00	0.00	
SEP		80.90	6.62	9.70		0.00	1.09	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	92				0.00							0.00	0.00	
OCT		68.50	3.50	9.70		0.00	0.87	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	123				0.00							0.00	0.00	
NOV		61.30	1.70	9.70		0.00	0.75	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	153				0.00							0.00	0.00	
DEC		52.70	2.42	9.70		0.00	0.60	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	184				0.00							0.00	0.00	
JAN		53.30	2.91	9.70		0.00	0.61	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	215				0.00							0.00	0.00	
FEB		51.20	3.59	9.23		0.00	0.57	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	243				0.00							0.00	0.00	
MAR		62.40	3.44	8.34		4.70	0.77	0.43	1.56	1.56	1.56	0.00	0.00	0.00
	274				23.33							0.00	0.00	
APR		68.10	2.95	7.98		5.43	0.86	0.73	3.45	3.45	1.68	0.00	0.00	1.77
	304				48.33							0.00	0.00	
MAY		75.20	4.36	7.17		5.39	0.99	0.81	4.30	4.30	2.48	0.00	0.00	1.82
	335				74.17							0.00	0.00	
JUN		80.30	5.71	7.13		5.72	1.08	0.61	3.74	3.74	3.04	0.00	0.00	0.70
	365				99.17							0.00	0.00	
SEASONAL TOTALS						21.25			13.05	13.05	8.77	0.00	0.00	4.29

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GPD	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIPM
	0				0.00							0.00	0.00	
JUL		83.70	6.41	9.70		0.00	1.13	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
AUG		83.10	7.46	9.70		0.00	1.12	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	62				0.00							0.00	0.00	
SEP		80.90	6.62	9.70		0.00	1.09	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	92				0.00							0.00	0.00	
OCT		68.50	3.50	9.70		0.00	0.87	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	123				0.00							0.00	0.00	
NOV		61.30	1.70	9.70		0.00	0.75	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	153				0.00							0.00	0.00	
DEC		52.70	2.42	9.70		0.00	0.60	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	184				0.00							0.00	0.00	
JAN		53.30	2.91	9.70		0.00	0.61	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	215				0.00							0.00	0.00	
FEB		51.20	3.59	9.23		0.00	0.57	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	243				0.00							0.00	0.00	
MAR		62.40	3.44	8.34		4.70	0.77	0.43	1.56	1.56	1.33	0.00	0.00	0.23
	274				23.33							0.00	0.00	
APR		68.10	2.95	7.98		5.43	0.86	0.73	3.45	3.45	1.43	0.00	0.00	2.01
	304				48.33							0.00	0.00	
MAY		75.20	4.36	7.17		5.39	0.99	0.81	4.30	4.30	2.12	0.00	0.00	2.18
	335				74.17							0.00	0.00	
JUN		80.30	5.71	7.13		5.72	1.08	0.61	3.74	3.74	2.59	0.00	0.00	1.15
	365				99.17							0.00	0.00	
SEASONAL TOTALS						21.25			13.05	13.05	7.47	0.00	0.00	5.58

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	4.29	5.58
95	4.51	5.88
90	4.76	6.20
85	5.04	6.57
80	5.36	6.98
75	5.71	7.44
70	6.12	7.97
65	6.59	8.59
60	7.14	9.30
55	7.79	10.15
50	8.57	11.16

Nas. Co.

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT FERNANDINA BEACH (NASSAU CTY) AS PER SCS

LATITUDE= 30 DEG 39 MIN
PLANTING DATE= 2/28 HARVEST DATE= 7/15
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 48.40 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.00	2.92	7.27		0.00	0.62	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		53.50	3.50	7.00		0.00	0.61	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		61.60	3.29	8.36		5.15	0.75	0.43	1.66	1.66	1.66	0.00	0.00	0.00
	90				22.63							0.00	0.00	
APR		66.80	2.46	8.72		5.83	0.84	0.72	3.52	3.52	1.44	0.00	0.00	2.08
	120				44.53							0.00	0.00	
MAY		74.30	3.59	9.57		7.11	0.97	0.81	5.62	5.62	2.26	0.00	0.00	3.37
	151				67.15							0.00	0.00	
JUN		79.70	4.96	9.53		7.59	1.06	0.72	5.83	5.83	3.02	0.00	0.00	2.81
	181				89.05							0.00	0.00	
JUL		82.20	5.66	9.70		3.86	1.11	0.48	2.05	2.05	1.50	0.00	0.00	0.55
	212				100.00							0.00	0.00	
AUG		81.60	6.18	9.23		0.00	1.10	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.00	7.34	8.34		0.00	1.07	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		69.00	3.50	7.98		0.00	0.88	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		61.20	2.57	7.17		0.00	0.74	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.40	2.45	7.13		0.00	0.59	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						29.54			18.69	18.69	9.88	0.00	0.00	8.81

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.00	2.92	7.27		0.00	0.62	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		53.50	3.50	7.00		0.00	0.61	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		61.60	3.29	8.36		5.15	0.75	0.43	1.66	1.66	1.41	0.00	0.00	0.25
	90				22.63							0.00	0.00	
APR		66.80	2.46	8.72		5.83	0.84	0.72	3.52	3.52	1.22	0.00	0.00	2.30
	120				44.53							0.00	0.00	
MAY		74.30	3.59	9.57		7.11	0.97	0.81	5.62	5.62	1.91	0.00	0.00	3.71
	151				67.15							0.00	0.00	
JUN		79.70	4.96	9.53		7.59	1.06	0.72	5.83	5.83	2.56	0.00	0.00	3.27
	181				89.05							0.00	0.00	
JUL		82.20	5.66	9.70		3.86	1.11	0.48	2.05	2.05	1.27	0.00	0.00	0.78
	212				100.00							0.00	0.00	
AUG		81.60	6.18	9.23		0.00	1.10	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.00	7.34	8.34		0.00	1.07	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		69.00	3.50	7.98		0.00	0.88	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		61.20	2.57	7.17		0.00	0.74	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.40	2.45	7.13		0.00	0.59	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						29.54			18.69	18.69	8.37	0.00	0.00	10.33

****

GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	8.81	10.33
95	9.28	10.87
90	9.79	11.47
85	10.37	12.15
80	11.02	12.91
75	11.75	13.77
70	12.59	14.75
65	13.56	15.89
60	14.69	17.21
55	16.02	18.77
50	17.62	20.65

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT FERNANDINA BEACH (NASSAU CTY) AS PER SCS

LATITUDE= 30 DEG 39 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 48.40 INCHES
PERCENT CHANCE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.00	2.92	7.27		3.80	0.62	0.50	1.17	1.17	1.17	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		53.50	3.50	7.00		3.75	0.61	0.50	1.32	1.32	1.32	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		61.60	3.29	8.36		5.15	0.75	0.73	2.84	2.84	1.94	0.00	0.00	0.90
	90				24.66							0.00	0.00	
APR		66.80	2.46	8.72		5.83	0.84	0.85	4.15	4.15	1.61	0.00	0.00	2.54
	120				32.88							0.00	0.00	
MAY		74.30	3.59	9.57		7.11	0.97	0.90	6.20	6.20	2.52	0.00	0.00	3.68
	151				41.37							0.00	0.00	
JUN		79.70	4.96	9.53		7.59	1.06	0.92	7.43	7.43	3.58	0.00	0.00	3.85
	181				49.59							0.00	0.00	
JUL		82.20	5.66	9.70		7.98	1.11	0.92	8.12	8.12	4.16	0.00	0.00	3.96
	212				58.08							0.00	0.00	
AUG		81.60	6.18	9.23		7.53	1.10	0.90	7.48	7.48	4.33	0.00	0.00	3.15
	243				66.58							0.00	0.00	
SEP		80.00	7.34	8.34		6.67	1.07	0.87	6.17	6.17	4.66	0.00	0.00	1.51
	273				74.79							0.00	0.00	
OCT		69.00	3.50	7.98		5.50	0.88	0.79	3.82	3.82	2.16	0.00	0.00	1.66
	304				83.29							0.00	0.00	
NOV		61.20	2.57	7.17		4.39	0.74	0.67	2.19	2.19	1.50	0.00	0.00	0.69
	334				91.51							0.00	0.00	
DEC		52.40	2.45	7.13		3.73	0.59	0.54	1.20	1.20	1.20	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.03			52.09	52.09	30.15	0.00	0.00	21.94

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.00	2.92	7.27		3.80	0.62	0.50	1.17	1.17	1.15	0.00	0.00	0.02
	31				8.49							0.00	0.00	
FEB		53.50	3.50	7.00		3.75	0.61	0.58	1.32	1.32	1.29	0.00	0.00	0.03
	59				16.16							0.00	0.00	
MAR		61.60	3.29	8.36		5.15	0.75	0.73	2.84	2.84	1.90	0.00	0.00	0.94
	90				24.66							0.00	0.00	
APR		66.80	2.46	8.72		5.83	0.84	0.85	4.15	4.15	1.58	0.00	0.00	2.57
	120				32.88							0.00	0.00	
MAY		74.30	3.59	9.57		7.11	0.97	0.90	6.20	6.20	2.47	0.00	0.00	3.73
	151				41.37							0.00	0.00	
JUN		79.70	4.96	9.53		7.59	1.06	0.92	7.43	7.43	3.50	0.00	0.00	3.92
	181				49.59							0.00	0.00	
JUL		82.20	5.66	9.70		7.98	1.11	0.92	8.12	8.12	4.08	0.00	0.00	4.04
	212				58.08							0.00	0.00	
AUG		81.60	6.18	9.23		7.53	1.10	0.90	7.48	7.48	4.24	0.00	0.00	3.23
	243				66.58							0.00	0.00	
SEP		80.00	7.34	8.34		6.67	1.07	0.87	6.17	6.17	4.57	0.00	0.00	1.60
	273				74.79							0.00	0.00	
OCT		69.00	3.50	7.98		5.50	0.88	0.79	3.82	3.82	2.12	0.00	0.00	1.70
	304				83.29							0.00	0.00	
NOV		61.20	2.57	7.17		4.39	0.74	0.67	2.19	2.19	1.47	0.00	0.00	0.72
	334				91.51							0.00	0.00	
DEC		52.40	2.45	7.13		3.73	0.59	0.54	1.20	1.20	1.18	0.00	0.00	0.02
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						69.03			52.09	52.09	29.55	0.00	0.00	22.54

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	21.94	22.54
95	23.09	23.72
90	24.37	25.04
85	25.81	26.52
80	27.42	28.17
75	29.25	30.05
70	31.34	32.20
65	33.75	34.67
60	36.56	37.56
55	39.88	40.98
50	43.87	45.08

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT FERNANDINA BEACH (NASSAU CTY) AS PER SCS

LATITUDE= 30 DEG 39 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 6/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 48.40 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO. 5 CORN,SWEET

CORN

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.00	2.92	7.27		0.00	0.62	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		53.50	3.50	7.00		0.00	0.61	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		61.60	3.29	8.36		4.99	0.75	0.53	1.97	1.94	1.79	0.00	0.00	0.15
	90				24.59							0.00	0.00	
APR		66.80	2.46	8.72		5.83	0.84	0.86	4.20	4.13	1.61	0.00	0.00	2.52
	120				49.18							0.00	0.00	
MAY		74.50	3.59	9.57		7.11	0.97	1.07	7.41	7.29	2.68	0.00	0.00	4.61
	151				74.59							0.00	0.00	
JUN		79.70	4.96	9.53		7.59	1.06	1.04	8.41	8.27	3.75	0.00	0.00	4.52
	181				99.18							0.00	0.00	
JUL		82.20	5.66	9.70		0.26	1.11	1.00	0.29	0.28	0.14	0.00	0.00	0.14
	212				100.00							0.00	0.00	
AUG		81.60	6.18	9.23		0.00	1.10	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.00	7.34	8.34		0.00	1.07	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		69.00	3.50	7.98		0.00	0.88	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		61.20	2.57	7.17		0.00	0.74	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.40	2.45	7.13		0.00	0.59	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						25.77			22.27	21.91	9.96	0.00	0.00	11.94

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	f	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.00	2.92	7.27		0.00	0.62	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		53.50	3.50	7.00		0.00	0.61	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		61.60	3.29	8.36		4.99	0.75	0.53	1.97	1.94	1.51	0.00	0.00	0.42
	90				24.59							0.00	0.00	
APR		66.80	2.46	8.72		5.83	0.84	0.86	4.20	4.13	1.36	0.00	0.00	2.77
	120				49.18							0.00	0.00	
MAY		74.30	3.59	9.57		7.11	0.97	1.07	7.41	7.29	2.27	0.00	0.00	5.02
	151				74.59							0.00	0.00	
JUN		79.70	4.96	9.53		7.59	1.06	1.04	8.41	8.27	3.17	0.00	0.00	5.10
	181				99.18							0.00	0.00	
JUL		82.20	5.66	9.70		0.26	1.11	1.00	0.29	0.28	0.12	0.00	0.00	0.16
	212				100.00							0.00	0.00	
AUG		81.60	6.18	9.23		0.00	1.10	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.00	7.34	8.34		0.00	1.07	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		69.00	3.50	7.98		0.00	0.88	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		61.20	2.57	7.17		0.00	0.74	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.40	2.45	7.13		0.00	0.59	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						25.77			22.27	21.91	8.44	0.00	0.00	13.47

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	11.94	13.47
95	12.57	14.18
90	13.27	14.97
85	14.05	15.85
80	14.93	16.84
75	15.92	17.96
70	17.06	19.24
65	18.37	20.72
60	19.90	22.45
55	21.71	24.49
50	23.89	26.94

Ind. Rv. Co.

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT FELLESMERE (INDIAN RIVER CTY) AS PER SCS

LATITUDE= 27 DEG 41 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 51.12 INCHES
PERCENT CHANCE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		62.40	2.09	7.41		4.48	0.77	0.50	1.71	1.71	1.21	0.00	0.00	0.49
	31				8.49							0.00	0.00	
FEB		58.40	2.55	7.08		4.13	0.70	0.58	1.66	1.66	1.45	0.00	0.00	0.21
	59				16.16							0.00	0.00	
MAR		69.90	2.97	8.37		5.77	0.88	0.73	3.71	3.71	1.86	0.00	0.00	1.85
	90				24.66							0.00	0.00	
APR		70.50	2.30	8.67		6.11	0.91	0.85	4.69	4.69	1.56	0.00	0.00	3.12
	120				32.88							0.00	0.00	
MAY		76.10	4.76	9.44		7.19	1.00	0.90	6.47	6.47	3.27	0.00	0.00	3.20
	151				41.37							0.00	0.00	
JUN		79.80	6.95	9.37		7.48	1.07	0.92	7.33	7.33	4.75	0.00	0.00	2.58
	181				49.59							0.00	0.00	
JUL		82.30	6.91	9.56		7.87	1.11	0.92	8.03	8.03	4.91	0.00	0.00	3.11
	212				58.08							0.00	0.00	
AUG		82.20	6.11	9.16		7.53	1.11	0.90	7.55	7.55	4.30	0.00	0.00	3.24
	243				66.58							0.00	0.00	
SEP		80.00	7.73	8.32		6.66	1.07	0.87	6.16	6.16	4.87	0.00	0.00	1.29
	273				74.79							0.00	0.00	
OCT		75.60	4.93	8.03		6.07	0.99	0.79	4.75	4.75	3.06	0.00	0.00	1.69
	304				83.29							0.00	0.00	
NOV		68.80	2.05	7.29		5.02	0.88	0.67	2.94	2.94	1.28	0.00	0.00	1.66
	334				91.51							0.00	0.00	
DEC		60.10	1.77	7.29		4.38	0.73	0.54	1.72	1.72	1.04	0.00	0.00	0.68
	365				100.00							0.00	0.00	
SEASONAL TOTALS						72.68			56.71	56.71	33.57	0.00	0.00	23.14

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		62.40	2.09	7.41		4.48	0.77	0.50	1.71	1.71	1.19	0.00	0.00	0.51
	31				8.49							0.00	0.00	
FEB		58.40	2.55	7.08		4.13	0.70	0.58	1.66	1.66	1.42	0.00	0.00	0.24
	59				16.16							0.00	0.00	
MAR		68.90	2.97	8.37		5.77	0.88	0.73	3.71	3.71	1.82	0.00	0.00	1.88
	90				24.66							0.00	0.00	
APR		70.50	2.30	8.67		6.11	0.91	0.85	4.69	4.69	1.53	0.00	0.00	3.15
	120				32.88							0.00	0.00	
MAY		76.10	4.76	9.44		7.19	1.00	0.90	6.47	6.47	3.21	0.00	0.00	3.26
	151				41.37							0.00	0.00	
JUN		79.80	6.95	9.37		7.48	1.07	0.92	7.33	7.33	4.66	0.00	0.00	2.67
	181				49.59							0.00	0.00	
JUL		82.30	6.91	9.56		7.87	1.11	0.92	8.03	8.03	4.82	0.00	0.00	3.20
	212				58.08							0.00	0.00	
AUG		82.20	6.11	9.16		7.53	1.11	0.90	7.55	7.55	4.23	0.00	0.00	3.32
	243				66.58							0.00	0.00	
SEP		80.00	7.73	8.32		6.66	1.07	0.87	6.16	6.16	4.78	0.00	0.00	1.38
	273				74.79							0.00	0.00	
OCT		75.60	4.93	8.03		6.07	0.99	0.79	4.75	4.75	3.01	0.00	0.00	1.75
	304				83.29							0.00	0.00	
NOV		68.80	2.05	7.29		5.02	0.88	0.67	2.94	2.94	1.26	0.00	0.00	1.69
	334				91.51							0.00	0.00	
DEC		60.10	1.77	7.29		4.38	0.73	0.54	1.72	1.72	1.03	0.00	0.00	0.70
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						72.68			56.71	56.71	32.97	0.00	0.00	23.74

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	23.14	23.74
95	24.36	24.99
90	25.72	26.38
85	27.23	27.93
80	28.93	29.68
75	30.86	31.65
70	33.06	33.91
65	35.61	36.52
60	38.57	39.57
55	42.08	43.16
50	46.29	47.48

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT FELLESMERE (INDIAN RIVER CTY) AS PER SCS

LATITUDE= 27 DEG 41 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.45 TO 0.55
ANNUAL RAINFALL= 51.12 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.10 CITRUS

CITRUS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		62.50	2.09	7.41		4.48	0.77	0.64	2.19	1.75	1.22	0.00	0.00	0.54
	31				8.49							0.00	0.00	
FEB		64.10	2.55	7.08		4.54	0.79	0.65	2.36	1.90	1.47	0.00	0.00	0.43
	59				16.16							0.00	0.00	
MAR		67.90	2.97	8.37		5.69	0.86	0.67	3.30	2.64	1.75	0.00	0.00	0.89
	90				24.66							0.00	0.00	
APR		71.90	2.30	8.67		6.23	0.93	0.70	4.04	3.24	1.44	0.00	0.00	1.80
	120				32.88							0.00	0.00	
MAY		76.70	4.76	9.44		7.24	1.01	0.70	5.14	4.12	2.87	0.00	0.00	1.25
	151				41.37							0.00	0.00	
JUN		80.50	6.95	9.37		7.55	1.08	0.71	5.77	4.63	4.08	0.00	0.00	0.54
	181				49.59							0.00	0.00	
JUL		91.90	6.91	9.56		8.79	1.28	0.71	7.96	6.39	4.48	0.00	0.00	1.91
	212				58.08							0.00	0.00	
AUG		82.40	6.11	9.18		7.55	1.11	0.71	5.92	4.75	3.68	0.00	0.00	1.06
	243				66.58							0.00	0.00	
SEP		80.80	7.73	8.32		6.72	1.08	0.70	5.08	4.07	4.07	0.00	0.00	0.00
	273				74.79							0.00	0.00	
OCT		75.50	4.93	8.03		6.06	0.99	0.68	4.10	3.29	2.82	0.00	0.00	0.47
	304				83.29							0.00	0.00	
NOV		68.40	2.05	7.29		4.99	0.87	0.66	2.88	2.31	1.23	0.00	0.00	1.08
	334				91.51							0.00	0.00	
DEC		63.70	1.77	7.29		4.64	0.79	0.64	2.34	1.88	1.05	0.00	0.00	0.82
	365				100.00							0.00	0.00	
SEASONAL TOTALS						74.48			51.06	40.96	30.17	0.00	0.00	10.79

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		62.50	2.09	7.41		4.48	0.77	0.64	2.19	1.75	1.04	0.00	0.00	0.72
	31				8.49							0.00	0.00	
FEB		64.10	2.55	7.08		4.54	0.79	0.65	2.36	1.90	1.25	0.00	0.00	0.65
	59				16.16							0.00	0.00	
MAR		67.90	2.97	8.37		5.69	0.86	0.67	3.30	2.64	1.49	0.00	0.00	1.15
	90				24.66							0.00	0.00	
APR		71.90	2.30	8.67		6.23	0.93	0.70	4.04	3.24	1.23	0.00	0.00	2.01
	120				32.88							0.00	0.00	
MAY		76.70	4.76	9.44		7.24	1.01	0.70	5.14	4.12	2.44	0.00	0.00	1.68
	151				41.37							0.00	0.00	
JUN		80.50	6.95	9.37		7.55	1.08	0.71	5.77	4.63	3.48	0.00	0.00	1.15
	181				49.59							0.00	0.00	
JUL		91.90	6.91	9.56		8.79	1.28	0.71	7.96	6.39	3.82	0.00	0.00	2.57
	212				58.08							0.00	0.00	
AUG		82.40	6.11	9.16		7.55	1.11	0.71	5.92	4.75	3.14	0.00	0.00	1.61
	243				66.58							0.00	0.00	
SEP		80.80	7.73	8.32		6.72	1.08	0.70	5.08	4.07	3.47	0.00	0.00	0.60
	273				74.79							0.00	0.00	
OCT		75.50	4.93	8.03		6.06	0.99	0.68	4.10	3.29	2.41	0.00	0.00	0.88
	304				83.29							0.00	0.00	
NOV		68.40	2.05	7.29		4.99	0.87	0.66	2.88	2.31	1.05	0.00	0.00	1.26
	334				91.51							0.00	0.00	
DEC		63.70	1.77	7.29		4.64	0.79	0.64	2.34	1.88	0.90	0.00	0.00	0.98
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						74.48			51.06	40.96	25.71	0.00	0.00	15.25

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	10.79	15.25
95	11.36	16.05
90	11.99	16.94
85	12.70	17.94
80	13.49	19.06
75	14.39	20.33
70	15.42	21.79
65	16.60	23.46
60	17.99	25.42
55	19.62	27.73
50	21.58	30.50

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT FELLESMERE (INDIAN RIVER CTY) AS PER SCS

LATITUDE= 27 DEG 41 MIN
PLANTING DATE= 3/15 HARVEST DATE= 6/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 51.12 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.15 MELONS & CANTALOUPES

MELONS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		62.40	2.09	7.41		0.00	0.77	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		58.40	2.55	7.08		0.00	0.70	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		68.90	2.97	8.37		2.98	0.88	0.47	1.24	1.24	0.89	0.00	0.00	0.35
	90				17.39							0.00	0.00	
APR		70.50	2.30	8.67		6.11	0.91	0.69	3.80	3.80	1.49	0.00	0.00	2.32
	120				50.00							0.00	0.00	
MAY		76.10	4.76	9.44		7.19	1.00	0.78	5.62	5.62	3.12	0.00	0.00	2.50
	151				83.70							0.00	0.00	
JUN		79.80	6.95	9.37		3.74	1.07	0.70	2.79	2.79	2.15	0.00	0.00	0.64
	181				100.00							0.00	0.00	
JUL		82.30	6.91	9.56		0.00	1.11	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		82.20	6.11	9.16		0.00	1.11	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.00	7.73	8.32		0.00	1.07	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		75.60	4.93	8.03		0.00	0.99	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		68.80	2.05	7.29		0.00	0.88	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		60.10	1.77	7.29		0.00	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						20.02			13.45	13.45	7.65	0.00	0.00	5.80

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		62.40	2.09	7.41		0.00	0.77	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		53.40	2.55	7.08		0.00	0.70	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		68.90	2.97	8.37		2.98	0.88	0.47	1.24	1.24	0.76	0.00	0.00	0.48
	90				17.39							0.00	0.00	
APR		70.50	2.30	8.67		6.11	0.91	0.69	3.80	3.80	1.27	0.00	0.00	2.54
	120				50.00							0.00	0.00	
MAY		76.10	4.76	9.44		7.19	1.00	0.78	5.62	5.62	2.66	0.00	0.00	2.96
	151				83.70							0.00	0.00	
JUN		79.80	6.95	9.37		3.74	1.07	0.70	2.79	2.79	1.83	0.00	0.00	0.96
	181				100.00							0.00	0.00	
JUL		82.30	6.91	9.56		0.00	1.11	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		82.20	6.11	9.16		0.00	1.11	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.00	7.73	8.32		0.00	1.07	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		75.60	4.93	8.03		0.00	0.99	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		68.80	2.05	7.29		0.00	0.88	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		60.10	1.77	7.29		0.00	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						20.02			13.45	13.45	6.52	0.00	0.00	6.93

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	5.80	6.93
95	6.11	7.30
90	6.45	7.70
85	6.83	8.16
80	7.25	8.67
75	7.74	9.24
70	8.29	9.90
65	8.93	10.67
60	9.67	11.55
55	10.55	12.60
50	11.60	13.87

Lake Co.

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT CLERMONT (LAKE CTY) AS PER SCS

LATITUDE= 28 DEG 29 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 51.11 INCHES
PERCENT CHANCE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		59.60	2.35	7.38		4.25	0.72	0.50	1.52	1.52	1.33	0.00	0.00	0.18
	31				8.49							0.00	0.00	
FEB		57.10	3.18	7.06		4.03	0.67	0.58	1.56	1.56	1.56	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		68.20	3.52	8.37		5.71	0.87	0.73	3.62	3.62	2.15	0.00	0.00	1.47
	90				24.66							0.00	0.00	
APR		70.50	2.70	8.68		6.12	0.91	0.85	4.69	4.69	1.80	0.00	0.00	2.89
	120				32.88							0.00	0.00	
MAY		76.50	3.64	9.48		7.25	1.01	0.90	6.58	6.58	2.61	0.00	0.00	3.97
	151				41.37							0.00	0.00	
JUN		80.30	6.98	9.41		7.56	1.08	0.92	7.47	7.47	4.80	0.00	0.00	2.66
	181				49.59							0.00	0.00	
JUL		83.30	8.09	9.60		8.00	1.15	0.92	8.28	8.28	5.70	0.00	0.00	2.58
	212				58.08							0.00	0.00	
AUG		83.10	7.15	9.18		7.63	1.12	0.90	7.75	7.75	4.98	0.00	0.00	2.77
	243				66.58							0.00	0.00	
SEP		81.60	6.64	8.32		6.79	1.10	0.87	6.45	6.45	4.35	0.00	0.00	2.10
	273				74.79							0.00	0.00	
OCT		74.30	2.75	8.01		5.95	0.97	0.79	4.56	4.56	1.82	0.00	0.00	2.74
	304				83.29							0.00	0.00	
NOV		65.70	1.97	7.26		4.77	0.82	0.67	2.63	2.63	1.21	0.00	0.00	1.41
	334				91.51							0.00	0.00	
DEC		57.30	2.14	7.25		4.15	0.68	0.54	1.52	1.52	1.23	0.00	0.00	0.30
	365				100.00							0.00	0.00	
SEASONAL TOTALS						72.22			56.63	56.63	33.54	0.00	0.00	23.09

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		59.60	2.35	7.38		4.25	0.72	0.50	1.52	1.52	1.31	0.00	0.00	0.21
	31				8.49							0.00	0.00	
FEB		57.10	3.18	7.06		4.03	0.67	0.58	1.56	1.56	1.54	0.00	0.00	0.03
	59				16.16							0.00	0.00	
MAR		68.20	3.52	8.37		5.71	0.87	0.73	3.62	3.62	2.11	0.00	0.00	1.51
	90				24.66							0.00	0.00	
APR		70.50	2.70	8.68		6.12	0.91	0.85	4.69	4.69	1.77	0.00	0.00	2.92
	120				32.88							0.00	0.00	
MAY		76.50	3.64	9.48		7.25	1.01	0.90	6.58	6.58	2.56	0.00	0.00	4.02
	151				41.37							0.00	0.00	
JUN		80.30	6.98	9.41		7.56	1.08	0.92	7.47	7.47	4.72	0.00	0.00	2.75
	181				49.59							0.00	0.00	
JUL		83.30	8.09	9.60		8.00	1.13	0.92	8.28	8.28	5.59	0.00	0.00	2.69
	212				58.08							0.00	0.00	
AUG		83.10	7.15	9.18		7.63	1.12	0.90	7.75	7.75	4.89	0.00	0.00	2.86
	243				66.58							0.00	0.00	
SEP		81.60	6.64	8.32		6.79	1.10	0.87	6.45	6.45	4.27	0.00	0.00	2.18
	273				74.79							0.00	0.00	
OCT		74.30	2.75	8.01		5.95	0.97	0.79	4.56	4.56	1.79	0.00	0.00	2.77
	304				83.29							0.00	0.00	
NOV		65.70	1.97	7.26		4.77	0.82	0.67	2.63	2.63	1.19	0.00	0.00	1.44
	334				91.51							0.00	0.00	
DEC		57.30	2.14	7.25		4.15	0.88	0.54	1.52	1.52	1.21	0.00	0.00	0.32
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						72.22			56.63	56.63	32.94	0.00	0.00	23.69

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	23.09	23.69
95	24.31	24.93
90	25.66	26.32
85	27.17	27.87
80	28.86	29.61
75	30.79	31.58
70	32.99	33.84
65	35.52	36.44
60	38.48	39.48
55	41.98	43.07
50	46.18	47.37

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT CLERMONT (LAKE CTY) AS PER SCS

LATITUDE= 28 DEG 29 MIN
PLANTING DATE= 3/15 HARVEST DATE= 6/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 51.11 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.15 MELONS & CANTALOUPES

MELONS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		59.60	2.35	7.38		0.00	0.72	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		57.10	3.18	7.06		0.00	0.67	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		68.20	3.52	8.37		2.95	0.87	0.47	1.21	1.21	1.03	0.00	0.00	0.18
	90				17.39							0.00	0.00	
APR		70.50	2.70	8.68		6.12	0.91	0.69	3.81	3.81	1.72	0.00	0.00	2.09
	120				50.00							0.00	0.00	
MAY		76.50	3.64	9.48		7.25	1.01	0.78	5.71	5.71	2.48	0.00	0.00	3.23
	151				83.70							0.00	0.00	
JUN		80.30	6.98	9.41		3.78	1.08	0.70	2.84	2.84	2.17	0.00	0.00	0.67
	181				100.00							0.00	0.00	
JUL		83.30	8.09	9.60		0.00	1.13	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		83.10	7.15	9.18		0.00	1.12	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.60	6.64	8.32		0.00	1.10	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.30	2.75	8.01		0.00	0.97	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.70	1.97	7.26		0.00	0.82	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.30	2.14	7.25		0.00	0.68	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						20.10			13.57	13.57	7.41	0.00	0.00	6.17

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		59.60	2.35	7.38		0.00	0.72	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		57.10	3.18	7.06		0.00	0.67	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		68.20	3.52	8.37		2.95	0.87	0.47	1.21	1.21	0.88	0.00	0.00	0.33
	90				17.39							0.00	0.00	
APR		70.50	2.70	8.68		6.12	0.91	0.69	3.81	3.81	1.46	0.00	0.00	2.35
	120				50.00							0.00	0.00	
MAY		76.50	3.64	9.48		7.25	1.01	0.78	5.71	5.71	2.12	0.00	0.00	3.59
	151				83.70							0.00	0.00	
JUN		80.30	6.98	9.41		3.78	1.08	0.70	2.84	2.84	1.85	0.00	0.00	0.99
	181				100.00							0.00	0.00	
JUL		83.30	8.09	9.60		0.00	1.13	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		83.10	7.15	9.18		0.00	1.12	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.60	6.64	8.32		0.00	1.10	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.30	2.75	8.01		0.00	0.97	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.70	1.97	7.26		0.00	0.82	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.30	2.14	7.25		0.00	0.68	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						20.10			13.57	13.57	6.31	0.00	0.00	7.26

****

GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	6.17	7.26
95	6.49	7.64
90	6.85	8.07
85	7.25	8.54
80	7.71	9.07
75	8.22	9.68
70	8.81	10.37
65	9.48	11.17
60	10.28	12.10
55	11.21	13.20
50	12.33	14.52

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT CLERMONT (LAKE CTY) AS PER SCS

LATITUDE= 28 DEG 29 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.45 TO 0.55
ANNUAL RAINFALL= 51.11 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.10 CITRUS

CITRUS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		59.60	2.35	7.38		4.25	0.72	0.64	1.94	1.61	1.34	0.00	0.00	0.27
	31				8.49							0.00	0.00	
FEB		57.10	3.18	7.06		4.03	0.67	0.65	1.78	1.48	1.48	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		68.20	3.52	8.37		5.71	0.87	0.67	3.33	2.77	2.05	0.00	0.00	0.72
	90				24.66							0.00	0.00	
APR		70.50	2.70	8.68		6.12	0.91	0.70	3.86	3.21	1.66	0.00	0.00	1.55
	120				32.88							0.00	0.00	
MAY		76.50	3.64	9.48		7.25	1.01	0.70	5.13	4.26	2.29	0.00	0.00	1.97
	151				41.37							0.00	0.00	
JUN		80.30	6.98	9.41		7.56	1.08	0.71	5.76	4.79	4.13	0.00	0.00	0.65
	181				49.59							0.00	0.00	
JUL		83.30	8.09	9.60		8.00	1.13	0.71	6.40	5.32	4.83	0.00	0.00	0.49
	212				58.08							0.00	0.00	
AUG		83.10	7.15	9.18		7.63	1.12	0.71	6.04	5.02	4.28	0.00	0.00	0.75
	243				66.58							0.00	0.00	
SEP		81.60	6.64	8.32		6.79	1.10	0.70	5.20	4.32	3.86	0.00	0.00	0.46
	273				74.79							0.00	0.00	
OCT		74.30	2.75	8.01		5.95	0.97	0.68	3.94	3.28	1.69	0.00	0.00	1.58
	304				83.29							0.00	0.00	
NOV		65.70	1.97	7.26		4.77	0.82	0.66	2.61	2.17	1.18	0.00	0.00	0.99
	334				91.51							0.00	0.00	
DEC		57.30	2.14	7.25		4.15	0.68	0.64	1.80	1.49	1.23	0.00	0.00	0.27
	365				100.00							0.00	0.00	
SEASONAL TOTALS						72.22			47.78	39.72	30.01	0.00	0.00	9.70

****

NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		59.60	2.35	7.38		4.25	0.72	0.64	1.94	1.61	1.14	0.00	0.00	0.47
	31				8.49							0.00	0.00	
FEB		57.10	3.18	7.06		4.03	0.67	0.65	1.78	1.48	1.26	0.00	0.00	0.22
	59				16.16							0.00	0.00	
MAR		68.20	3.52	8.37		5.71	0.87	0.67	3.33	2.77	1.74	0.00	0.00	1.02
	90				24.66							0.00	0.00	
APR		70.50	2.70	8.68		6.12	0.91	0.70	3.86	3.21	1.42	0.00	0.00	1.79
	120				32.88							0.00	0.00	
MAY		76.50	3.64	9.48		7.25	1.01	0.70	5.13	4.26	1.95	0.00	0.00	2.31
	151				41.37							0.00	0.00	
JUN		80.30	6.98	9.41		7.56	1.08	0.71	5.76	4.79	3.52	0.00	0.00	1.26
	181				49.59							0.00	0.00	
JUL		83.30	8.09	9.60		8.00	1.13	0.71	6.40	5.32	4.11	0.00	0.00	1.20
	212				58.08							0.00	0.00	
AUG		83.10	7.15	9.18		7.63	1.12	0.71	6.04	5.02	3.64	0.00	0.00	1.38
	243				66.58							0.00	0.00	
SEP		81.60	6.64	8.32		6.79	1.10	0.70	5.20	4.32	3.29	0.00	0.00	1.03
	273				74.79							0.00	0.00	
OCT		74.30	2.75	8.01		5.95	0.97	0.68	3.94	3.28	1.44	0.00	0.00	1.83
	304				83.29							0.00	0.00	
NOV		65.70	1.97	7.26		4.77	0.82	0.66	2.61	2.17	1.01	0.00	0.00	1.16
	334				91.51							0.00	0.00	
DEC		57.30	2.14	7.25		4.15	0.68	0.64	1.80	1.49	1.04	0.00	0.00	0.45
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						72.22			47.78	39.72	25.58	0.00	0.00	14.14

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	9.70	14.14
95	10.22	14.88
90	10.78	15.71
85	11.42	16.64
80	12.13	17.68
75	12.94	18.85
70	13.86	20.20
65	14.93	21.75
60	16.17	23.57
55	17.65	25.71
50	19.41	28.28

Marion Co.

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 8/15 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 48.32 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

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NET IRRIGATION REQUIREMENTS,NORMAL YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JUL		82.80	7.63	9.65		0.00	1.12	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
AUG		82.80	5.50	9.65		0.00	1.12	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	62				0.00							0.00	0.00	
SEP		80.70	6.17	9.65		0.00	1.08	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	92				0.00							0.00	0.00	
OCT		70.90	2.66	9.65		0.00	0.91	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	123				0.00							0.00	0.00	
NOV		62.60	1.62	9.65		0.00	0.77	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	153				0.00							0.00	0.00	
DEC		54.30	2.26	9.65		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	184				0.00							0.00	0.00	
JAN		48.60	2.50	9.65		0.00	0.53	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	215				0.00							0.00	0.00	
FEB		54.00	3.10	9.20		2.43	0.62	0.33	0.48	0.48	0.48	0.00	0.00	0.00
	243				9.56							0.00	0.00	
MAR		66.00	3.69	8.33		5.50	0.83	0.57	2.58	2.59	1.95	0.00	0.00	0.63
	274				32.35							0.00	0.00	
APR		68.10	3.38	7.99		5.44	0.86	0.78	3.68	3.69	1.92	0.00	0.00	1.76
	304				54.41							0.00	0.00	
MAY		75.20	2.84	7.21		5.43	0.99	0.80	4.28	4.28	1.70	0.00	0.00	2.57
	335				77.21							0.00	0.00	
JUN		80.20	6.96	7.18		5.76	1.07	0.59	3.63	3.63	3.58	0.00	0.00	0.06
	365				99.26							0.00	0.00	
SEASONAL TOTALS						24.43			14.66	14.66	9.83	0.00	0.00	5.03

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JUL		82.80	7.63	9.65		0.00	1.12	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
AUG		82.80	5.50	9.65		0.00	1.12	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	62				0.00							0.00	0.00	
SEP		80.70	6.17	9.65		0.00	1.08	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	92				0.00							0.00	0.00	
OCT		70.90	2.66	9.65		0.00	0.91	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	123				0.00							0.00	0.00	
NOV		62.60	1.62	9.65		0.00	0.77	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	153				0.00							0.00	0.00	
DEC		54.30	2.26	9.65		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	184				0.00							0.00	0.00	
JAN		48.60	2.50	9.65		0.00	0.53	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	215				0.00							0.00	0.00	
FEB		54.00	3.10	9.20		2.31	0.62	0.33	0.48	0.48	0.40	0.00	0.00	0.07
	243				9.56							0.00	0.00	
MAR		66.00	3.69	8.33		5.50	0.85	0.57	2.59	2.59	1.65	0.00	0.00	0.93
	274				32.35							0.00	0.00	
APR		68.10	3.38	7.99		5.44	0.86	0.78	3.68	3.69	1.63	0.00	0.00	2.06
	304				54.41							0.00	0.00	
MAY		75.20	2.84	7.21		5.43	0.99	0.80	4.28	4.28	1.44	0.00	0.00	2.84
	335				77.24							0.00	0.00	
JUN		80.20	6.96	7.18		5.78	1.07	0.85	3.83	3.83	3.03	0.00	0.00	0.61
	365				99.26							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						24.43			14.66	14.66	8.16	0.00	0.00	6.51

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	5.03	6.51
95	5.29	6.85
90	5.59	7.23
85	5.92	7.65
80	6.29	8.13
75	6.70	8.67
70	7.18	9.29
65	7.74	10.01
60	8.38	10.84
55	9.14	11.83
50	10.06	13.01

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.45 TO 0.55
ANNUAL RAINFALL= 48.32 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.10 CITRUS

CITRUS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.50	7.32		3.49	0.53	0.64	1.15	0.99	0.99	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		54.00	3.10	7.03		3.80	0.62	0.65	1.34	1.32	1.32	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		66.00	3.69	8.37		5.52	0.83	0.67	3.08	2.64	2.12	0.00	0.00	0.52
	90				24.66							0.00	0.00	
APR		68.10	3.38	8.70		5.93	0.86	0.70	3.57	3.05	2.01	0.00	0.00	1.05
	120				32.88							0.00	0.00	
MAY		75.20	2.84	9.53		7.16	0.99	0.70	4.95	4.24	1.84	0.00	0.00	2.40
	151				41.37							0.00	0.00	
JUN		80.20	6.96	9.47		7.60	1.07	0.71	5.78	4.95	4.16	0.00	0.00	0.79
	181				49.59							0.00	0.00	
JUL		82.80	7.63	9.65		7.99	1.12	0.71	6.35	5.43	4.62	0.00	0.00	0.81
	212				58.08							0.00	0.00	
AUG		82.80	9.50	9.20		7.62	1.12	0.71	6.03	5.14	3.44	0.00	0.00	1.70
	243				66.58							0.00	0.00	
SEP		80.70	6.17	8.33		6.72	1.08	0.70	5.07	4.34	3.63	0.00	0.00	0.71
	273				74.79							0.00	0.00	
OCT		70.90	2.68	7.99		5.82	0.91	0.68	3.53	3.02	1.82	0.00	0.00	1.40
	304				83.29							0.00	0.00	
NOV		62.60	1.62	7.21		4.52	0.77	0.66	2.33	1.98	0.98	0.00	0.00	1.00
	334				91.51							0.00	0.00	
DEC		54.30	2.26	7.18		3.90	0.63	0.64	1.56	1.34	1.28	0.00	0.00	0.06
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.87			44.89	38.43	27.99	0.00	0.00	10.43

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.50	7.32		3.44	0.53	0.64	1.15	0.99	0.84	0.00	0.00	0.15
	31				8.49							0.00	0.00	
FEB		54.00	3.10	7.03		3.80	0.62	0.65	1.54	1.32	1.12	0.00	0.00	0.20
	59				16.16							0.00	0.00	
MAR		66.00	3.69	8.37		5.52	0.83	0.67	3.05	2.64	1.79	0.00	0.00	0.85
	90				24.66							0.00	0.00	
APR		68.10	3.38	8.70		5.93	0.86	0.70	3.57	3.05	1.70	0.00	0.00	1.36
	120				32.88							0.00	0.00	
MAY		75.20	2.84	9.53		7.18	0.99	0.70	4.95	4.24	1.58	0.00	0.00	2.68
	151				41.37							0.00	0.00	
JUN		80.20	6.96	9.47		7.60	1.07	0.71	5.78	4.95	3.52	0.00	0.00	1.42
	181				49.59							0.00	0.00	
JUL		82.80	7.63	9.65		7.99	1.12	0.71	6.35	5.43	3.91	0.00	0.00	1.52
	212				58.08							0.00	0.00	
AUG		82.80	5.50	9.20		[illegible]	[illegible]	0.71	6.81	5.14	2.91	0.00	0.00	2.23
	243				66.58							0.00	0.00	
SEP		80.70	6.17	8.33		6.72	1.04	0.70	5.[illegible]	4.34	3.07	0.00	0.00	1.27
	273				74.79							0.00	0.00	
OCT		70.90	2.66	7.99		5.67	0.91	0.68	3.53	3.02	1.37	0.00	0.00	1.65
	304				83.29							0.00	0.00	
NOV		62.60	1.82	7.21		4.52	0.72	0.66	2.31	1.98	0.83	0.00	0.00	1.15
	334				91.51							0.00	0.00	
DEC		54.30	2.26	7.18		[illegible]	[illegible]	[illegible]	1.36	1.34	1.08	0.00	0.00	0.26
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.87			44.69	38.43	23.70	0.00	0.00	14.73

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	10.43	14.73
95	10.98	15.50
90	11.59	16.36
85	12.27	17.33
80	13.04	18.41
75	13.91	19.64
70	14.90	21.04
65	16.05	22.66
60	17.39	24.54
55	18.97	26.78
50	20.87	29.45

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 8/ 1
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.75
ANNUAL RAINFALL= 48.32 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO. 5 CORN,SWEET

CORN

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.50	7.32		0.00	0.55	0.75	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.00	3.10	7.03		0.00	0.61	0.75	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	3.69	8.37		5.35	0.83	0.50	2.23	1.82	1.82	0.00	0.00	0.00
	90				19.61							0.00	0.00	
APR		68.10	3.38	8.70		5.93	0.86	0.93	3.71	3.03	2.00	0.00	0.00	1.03
	120				39.22							0.00	0.00	
MAY		75.20	2.88	9.53		7.10	0.95	1.00	7.24	5.99	3.82	0.00	0.00	3.91
	151				59.48							0.00	0.00	
JUN		80.20	6.96	9.47		7.60	1.07	1.08	8.77	7.16	4.71	0.00	0.00	2.45
	181				79.08							0.00	0.00	
JUL		82.80	7.63	9.65		7.99	1.17	1.01	9.24	7.54	5.20	0.00	0.00	2.34
	212				99.55							0.00	0.00	
AUG		82.80	5.50	9.20		0.28	1.13	1.00	0.28	0.22	0.12	0.00	0.00	0.10
	243				100.00							0.00	0.00	
SEP		80.70	6.17	8.33		0.00	1.08	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.90	2.66	7.99		0.00	0.91	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	1.62	7.21		0.00	0.77	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.30	2.26	7.18		0.00	0.63	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						34.27			31.49	25.70	15.87	0.00	0.00	9.83

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.50	7.32		0.00	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.00	3.10	7.03		0.00	0.62	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	3.69	8.37		5.35	0.83	0.50	2.23	1.82	1.54	0.00	0.00	0.28
	90				19.61							0.00	0.00	
APR		68.10	3.38	8.70		5.93	0.86	0.73	3.71	3.03	1.70	0.00	0.00	1.33
	120				39.22							0.00	0.00	
MAY		75.20	2.84	9.53		7.16	0.99	1.03	7.26	5.93	1.71	0.00	0.00	4.22
	151				59.48							0.00	0.00	
JUN		80.20	6.96	9.47		7.60	1.07	1.08	8.77	7.16	3.99	0.00	0.00	3.17
	181				79.08							0.00	0.00	
JUL		82.80	7.63	9.65		7.99	1.12	1.03	9.24	7.54	4.40	0.00	0.00	3.14
	212				99.35							0.00	0.00	
AUG		82.80	5.50	9.20		0.23	1.12	1.00	0.28	0.22	0.10	0.00	0.00	0.12
	243				100.00							0.00	0.00	
SEP		80.70	6.17	8.33		0.00	0.85	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.90	2.66	7.99		0.00	0.91	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	1.82	7.21		0.00	0.77	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.30	2.26	7.18		0.00	0.65	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						34.27			31.49	25.70	13.44	0.00	0.00	12.26

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	9.83	12.26
95	10.34	12.91
90	10.92	13.62
85	11.56	14.43
80	12.28	15.33
75	13.10	16.35
70	14.04	17.52
65	15.12	18.86
60	16.38	20.44
55	17.87	22.29
50	19.65	24.52

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 48.32 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.14 GRAPES

GRAPES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.50	7.32		3.44	0.53	0.20	0.36	0.39	0.39	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		54.00	3.10	7.03		3.80	0.62	0.23	0.54	0.59	0.59	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		66.00	3.69	8.37		5.52	0.83	0.32	1.45	1.56	1.56	0.00	0.00	0.00
	90				24.66							0.00	0.00	
APR		68.10	3.38	8.70		5.93	0.86	0.49	2.49	2.58	1.97	0.00	0.00	0.72
	120				32.88							0.00	0.00	
MAY		75.20	2.84	9.53		7.16	0.99	0.69	4.89	3.28	1.95	0.00	0.00	3.33
	151				41.37							0.00	0.00	
JUN		80.20	6.96	9.47		7.60	1.07	0.80	6.49	6.99	4.66	0.00	0.00	2.33
	181				49.59							0.00	0.00	
JUL		82.80	7.83	9.65		7.99	1.12	0.80	7.18	7.72	5.25	0.00	0.00	2.47
	212				58.05							0.00	0.00	
AUG		82.80	5.50	9.20		7.69	1.12	0.76	6.48	6.97	3.81	0.00	0.00	3.16
	243				66.58							0.00	0.00	
SEP		80.70	6.17	8.33		6.72	1.08	0.65	4.75	5.12	3.79	0.00	0.00	1.33
	273				74.79							0.00	0.00	
OCT		70.90	2.66	7.99		5.62	0.91	0.49	2.54	2.74	1.80	0.00	0.00	1.14
	304				83.29							0.00	0.00	
NOV		62.60	1.62	7.21		4.52	0.77	0.34	1.18	1.27	0.94	0.00	0.00	0.34
	334				91.51							0.00	0.00	
DEC		54.30	2.26	7.18		3.90	0.63	0.23	0.56	0.60	0.60	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.87			38.87	41.92	27.11	0.00	0.00	14.81

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.50	7.32		3.44	0.53	0.20	0.36	0.39	0.33	0.00	0.00	0.06
	31				8.49							0.00	0.00	
FEB		54.00	3.10	7.03		3.80	0.62	0.23	0.54	0.59	0.50	0.00	0.00	0.09
	59				16.16							0.00	0.00	
MAR		66.00	3.69	8.37		5.52	0.83	0.32	1.45	1.56	1.32	0.00	0.00	0.24
	90				24.66							0.00	0.00	
APR		68.10	3.38	8.70		5.93	0.86	0.49	2.49	2.68	1.66	0.00	0.00	1.02
	120				32.88							0.00	0.00	
MAY		75.20	2.84	9.53		7.16	0.99	0.69	4.89	5.28	1.65	0.00	0.00	3.63
	151				41.37							0.00	0.00	
JUN		80.20	6.96	9.47		7.68	1.07	0.80	6.49	6.99	3.95	0.00	0.00	3.05
	181				49.59							0.00	0.00	
JUL		82.80	7.63	9.65		7.99	1.12	0.80	7.16	7.72	4.45	0.00	0.00	3.27
	212				58.08							0.00	0.00	
AUG		82.80	5.50	9.20		7.82	1.12	0.76	6.48	6.97	3.22	0.00	0.00	3.75
	243				66.58							0.00	0.00	
SEP		80.70	4.17	8.33		[illegible]	1.06	[illegible]	4.75	5.12	3.21	0.00	0.00	1.91
	273				74.79							0.00	0.00	
OCT		70.90	2.66	7.99		5.67	0.91	0.49	2.54	2.74	1.35	0.00	0.00	1.39
	304				83.29							0.00	0.00	
NOV		62.60	1.62	7.21		[illegible]	0.77	[illegible]	[illegible]	[illegible]	0.79	0.00	0.00	0.48
	334				[illegible]							0.00	0.00	
DEC		54.30	2.24	7.18		[illegible]	0.63	[illegible]	0.54	0.60	0.31	0.00	0.00	0.09
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.87			38.87	41.92	22.95	0.00	0.00	18.97

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	14.81	18.97
95	15.59	19.97
90	16.46	21.08
85	17.43	22.32
80	18.52	23.71
75	19.75	25.30
70	21.16	27.10
65	22.79	29.19
60	24.69	31.62
55	26.94	34.49
50	29.63	37.94

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 3/15 HARVEST DATE= 6/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 48.32 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.15 MELONS & CANTALOUPES

MELONS

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NET IRRIGATION REQUIREMENTS,NORMAL YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.30	7.32		0.00	0.33	0.46	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.00	3.10	2.05		0.00	0.62	0.47	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	3.69	8.37		2.85	0.83	0.47	1.12	1.12	1.06	0.00	0.00	0.05
	90				17.39							0.00	0.00	
APR		68.10	3.38	8.70		3.[illegible]	[illegible]	[illegible]	3.[illegible]	3.32	2.06	0.00	0.00	1.46
	120				50.00							0.00	0.00	
MAY		75.20	2.84	9.[illegible]		7.[illegible]	[illegible]	[illegible]	[illegible]	3.51	1.06	0.00	0.00	3.54
	151				83.70							0.00	0.00	
JUN		80.20	6.96	9.47		3.80	1.07	0.70	2.85	2.85	2.17	0.00	0.00	0.68
	181				100.00							0.00	0.00	
JUL		82.80	7.63	9.[illegible]		0.00	[illegible]	[illegible]	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		82.80	5.50	9.20		0.00	[illegible]	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.70	6.17	8.33		0.00	1.08	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.90	2.66	7.99		0.00	0.91	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	1.62	7.21		0.00	0.77	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.30	2.26	7.18		0.00	0.63	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						19.74			13.00	13.00	7.27	0.00	0.00	5.74

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	ET	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.50	7.32		0.00	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.00	3.10	7.03		0.00	0.62	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	3.69	8.37		2.85	0.83	0.47	1.12	1.12	0.90	0.00	0.00	0.22
	90				17.39							0.00	0.00	
APR		68.10	3.38	8.70		5.93	0.86	0.69	3.52	3.52	1.74	0.00	0.00	1.78
	120				50.00							0.00	0.00	
MAY		75.20	2.84	9.53		7.16	0.99	0.78	5.51	5.51	1.87	0.00	0.00	3.84
	151				83.70							0.00	0.00	
JUN		80.20	6.98	9.47		3.80	1.07	0.78	2.84	2.85	1.84	0.00	0.00	1.01
	181				100.00							0.00	0.00	
JUL		82.80	7.63	9.65		0.00	1.12	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		82.80	5.50	9.20		0.00	1.12	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.70	6.17	8.33		0.00	1.06	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.90	2.66	7.99		0.00	0.91	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	1.62	7.21		0.00	0.77	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.30	2.26	7.18		0.00	0.65	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						19.74			13.00	13.00	6.15	0.00	0.00	6.85

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GROSS IRRIGATION REQUIREMENTS, SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	5.74	6.85
95	6.04	7.21
90	6.37	7.61
85	6.75	8.06
80	7.17	8.56
75	7.65	9.13
70	8.19	9.79
65	8.82	10.54
60	9.56	11.42
55	10.41	[illegible]
50	11.47	13.70

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.70 TO 0.80
ANNUAL RAINFALL= 48.32 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.16 ORCHARDS WITH COVER

ORCHARDS

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NET IRRIGATION REQUIREMENTS,NORMAL YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.50	7.32		3.48	0.53	0.64	1.16	1.02	1.02	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		54.00	3.10	7.03		3.80	0.62	0.73	1.71	1.50	1.50	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		66.00	3.69	8.37		5.52	0.83	0.86	3.91	3.44	2.21	0.00	0.00	1.23
	90				24.66							0.00	0.00	
APR		68.10	3.38	8.70		5.93	0.86	0.98	5.04	4.43	2.17	0.00	0.00	2.27
	120				32.88							0.00	0.00	
MAY		75.20	2.84	9.53		7.16	0.99	1.08	7.18	6.73	2.14	0.00	0.00	4.61
	151				41.37							0.00	0.00	
JUN		80.20	6.96	9.47		7.60	1.07	1.13	9.19	8.09	4.96	0.00	0.00	3.13
	181				49.59							0.00	0.00	
JUL		82.80	7.63	9.65		7.99	1.12	1.17	9.89	8.70	5.35	0.00	0.00	3.15
	212				58.08							0.00	0.00	
AUG		82.80	5.50	9.20		7.69	1.12	1.05	8.99	7.91	4.01	0.00	0.00	3.89
	243				66.58							0.00	0.00	
SEP		80.70	6.17	8.33		6.72	1.08	0.98	7.14	6.28	4.05	0.00	0.00	2.24
	273				74.79							0.00	0.00	
OCT		70.90	2.66	7.99		5.67	0.91	0.89	4.59	4.04	1.72	0.00	0.00	2.33
	304				83.29							0.00	0.00	
NOV		62.60	1.62	7.21		4.58	0.77	0.77	2.67	2.35	1.00	0.00	0.00	1.35
	334				91.51							0.00	0.00	
DEC		54.30	2.26	7.18		3.90	0.63	0.65	1.59	1.40	1.28	0.00	0.00	0.12
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.87			63.52	55.90	31.58	0.00	0.00	24.32

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.50	7.32		3.44	0.53	0.64	1.16	1.02	0.86	0.00	0.00	0.16
	31				8.49							0.00	0.00	
FEB		54.00	3.10	7.03		3.80	0.62	0.73	1.71	1.50	1.27	0.00	0.00	0.23
	59				16.16							0.00	0.00	
MAR		66.00	3.69	8.37		5.32	0.83	0.86	3.91	3.44	1.87	0.00	0.00	1.57
	90				24.66							0.00	0.00	
APR		68.10	3.38	8.70		5.93	0.86	0.98	5.04	4.43	1.83	0.00	0.00	2.60
	120				32.88							0.00	0.00	
MAY		75.20	2.84	9.53		7.16	0.99	1.08	7.64	6.73	1.79	0.00	0.00	4.94
	151				41.37							0.00	0.00	
JUN		80.20	6.98	9.47		7.60	1.07	1.13	9.39	8.09	4.20	0.00	0.00	3.89
	181				49.59							0.00	0.00	
JUL		82.80	7.63	9.65		7.99	1.12	1.11	9.89	8.70	4.70	0.00	0.00	4.00
	212				58.08							0.00	0.00	
AUG		82.80	5.50	9.20	[illegible]	7.62	[illegible]	[illegible]	8.99	7.91	3.40	0.00	0.00	4.51
	243				66.58							0.00	0.00	
SEP		80.70	6.17	8.33		6.72	1.06	0.98	7.34	6.28	3.42	0.00	0.00	2.86
	273				74.79							0.00	0.00	
OCT		70.90	2.66	7.99		5.67	0.91	0.89	4.59	4.04	1.45	0.00	0.00	2.59
	304				83.29							0.00	0.00	
NOV		62.60	[illegible]	7.21		[illegible]	[illegible]	[illegible]	[illegible]	2.35	0.86	0.00	0.00	1.51
	334				93.31							0.00	0.00	
DEC		54.30	2.26	7.18		[illegible]	[illegible]	[illegible]	1.39	1.40	1.08	0.00	0.00	0.31
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						69.87			63.52	55.90	26.73	0.00	0.00	29.16

****

GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	24.32	29.16
95	25.60	30.70
90	27.02	32.40
85	28.61	34.31
80	30.40	36.45
75	32.43	38.88
70	34.74	41.66
65	37.41	44.86
60	40.53	48.60
55	44.22	53.02
50	48.64	58.32

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 48.32 INCHES
PERCENT CHANCE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

****

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.50	7.32		3.44	0.53	0.50	0.90	0.90	0.90	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		54.00	3.10	7.03		3.80	0.62	0.58	1.36	1.36	1.36	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		66.00	3.69	8.37		5.52	0.83	0.73	3.35	3.35	2.20	0.00	0.00	1.15
	90				24.66							0.00	0.00	
APR		68.10	3.38	8.70		5.93	0.86	0.85	4.34	4.34	2.16	0.00	0.00	2.18
	120				32.86							0.00	0.00	
MAY		75.20	2.84	9.55		7.10	0.99	0.98	6.35	6.35	2.07	0.00	0.00	4.28
	151				41.37							0.00	0.00	
JUN		80.20	6.96	9.47		7.60	1.07	0.92	7.49	7.49	4.80	0.00	0.00	2.69
	181				49.59							0.00	0.00	
JUL		82.80	7.63	9.65		7.94	1.12	0.92	8.28	8.21	5.40	0.00	0.00	2.81
	212				58.06							0.00	0.00	
AUG		82.80	5.50	9.20		7.88	1.10	0.96	7.73	7.71	3.97	0.00	0.00	3.74
	243				66.58							0.00	0.00	
SEP		80.70	6.17	8.33		6.72	1.08	0.87	6.29	6.29	4.05	0.00	0.00	2.25
	273				74.79							0.00	0.00	
OCT		70.90	2.66	7.99		5.67	0.93	0.79	4.08	4.08	1.72	0.00	0.00	2.36
	304				83.29							0.00	0.00	
NOV		62.60	1.62	7.21		4.52	0.77	0.67	2.32	2.32	1.00	0.00	0.00	1.33
	334				91.51							0.00	0.00	
DEC		54.30	2.26	7.18		3.90	0.63	0.54	1.32	1.32	1.27	0.00	0.00	0.05
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.87			53.72	53.72	30.89	0.00	0.00	22.83

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRN
	0				0.00							0.00	0.00	
JAN		48.60	2.50	7.32		3.44	0.53	0.50	0.90	0.90	0.89	0.00	0.00	0.02
	31				8.49							0.00	0.00	
FEB		54.00	3.10	7.03		3.80	0.62	0.58	1.36	1.36	1.33	0.00	0.00	0.03
	59				16.16							0.00	0.00	
MAR		66.00	3.69	8.37		5.52	0.88	0.73	3.35	3.35	2.16	0.00	0.00	1.19
	90				24.66							0.00	0.00	
APR		68.10	3.38	8.70		5.93	0.86	0.85	4.34	4.34	2.11	0.00	0.00	2.22
	120				32.88							0.00	0.00	
MAY		75.20	2.84	9.53		7.18	0.99	0.98	6.35	6.35	2.03	0.00	0.00	4.32
	151				41.37							0.00	0.00	
JUN		80.20	6.96	9.47		7.60	1.07	0.98	7.40	7.49	4.70	0.00	0.00	2.79
	181				49.59							0.00	0.00	
JUL		82.80	7.63	9.65		7.99	1.12	0.92	8.21	8.21	5.29	0.00	0.00	2.92
	212				58.08							0.00	0.00	
AUG		82.80	5.50	9.20		7.62	1.12	0.90	7.71	7.71	3.89	0.00	0.00	3.82
	243				66.58							0.00	0.00	
SEP		80.70	6.17	8.35		6.72	1.08	0.87	5.78	5.89	3.97	0.00	0.00	2.33
	273				74.79							0.00	0.00	
OCT		70.90	2.66	7.99		5.67	0.91	0.79	4.08	4.08	1.69	0.00	0.00	2.39
	304				83.29							0.00	0.00	
NOV		62.60	1.62	7.21		4.52	0.77	0.67	2.32	2.32	0.98	0.00	0.00	1.35
	334				91.51							0.00	0.00	
DEC		54.30	2.26	7.18		3.90	0.63	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00	0.07
	365				100.00							0.00	0.00	
SEASONAL TOTALS						69.87			53.72	53.72	30.27	0.00	0.00	23.45

****

GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	22.83	23.45
95	24.04	24.69
90	25.37	26.06
85	26.86	27.59
80	28.54	29.31
75	30.44	31.27
70	32.62	33.50
65	35.13	36.08
60	38.06	39.09
55	41.52	42.64
50	45.67	46.90

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 7/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.65 TO 0.70
ANNUAL RAINFALL= 48.32 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.20 SOYBEANS

SOYBEANS

****

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.50	8.32		0.00	[illegible]	[illegible]	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.00	3.10	7.03		0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	3.69	8.37		5.35	0.83	0.26	1.16	1.16	1.16	0.00	0.00	0.00
	90				21.43							0.00	0.00	
APR		68.10	3.38	8.70		3.93	0.86	0.45	2.29	2.29	1.92	0.00	0.00	0.37
	120				42.86							0.00	0.00	
MAY		75.20	2.84	9.38		7.16	0.99	0.80	5.70	5.66	1.993	0.00	0.00	3.67
	151				65.00							0.00	0.00	
JUN		80.20	6.96	9.47		7.60	1.07	0.95	7.78	7.78	4.87	0.00	0.00	2.90
	181				86.43							0.00	0.00	
JUL		82.80	7.63	9.85		3.82	1.12	0.74	3.81	3.81	2.39	0.00	0.00	0.82
	212				97.14							0.00	0.00	
AUG		82.80	3.50	9.20		0.00	[illegible]	[illegible]	0.00	0.00	0.00	0.00	0.00	0.00
	243				97.14							0.00	0.00	
SEP		80.70	6.17	8.33		0.00	1.08	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	273				97.14							0.00	0.00	
OCT		70.90	2.68	7.99		0.00	0.61	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	304				97.14							0.00	0.00	
NOV		62.60	1.62	7.21		0.00	0.72	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	334				97.14							0.00	0.00	
DEC		54.30	2.26	7.18		0.00	0.63	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	365				97.14							0.00	0.00	
SEASONAL TOTALS						29.90			20.10	20.10	12.34	0.00	0.00	7.76

****

NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	CKT	KE	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.50	7.32		0.00	0.53	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.00	3.10	7.03		0.00	0.82	0.38	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.00	3.69	8.37		5.33	0.83	0.28	1.16	1.16	0.98	0.00	0.00	0.18
	90				21.43							0.00	0.00	
APR		68.10	3.38	8.70		5.93	0.86	0.45	2.29	2.29	1.63	0.00	0.00	0.67
	120				42.86							0.00	0.00	
MAY		75.20	2.84	9.53		7.18	0.99	0.80	5.66	5.66	1.89	0.00	0.00	3.97
	151				65.00							0.00	0.00	
JUN		80.20	6.96	9.47		7.60	1.01	[illegible]	7.78	7.78	4.13	0.00	0.00	3.65
	181				86.43							0.00	0.00	
JUL		82.80	7.63	9.65		3.87	1.12	0.74	3.21	3.21	2.03	0.00	0.00	1.19
	212				97.14							0.00	0.00	
AUG		82.80	5.30	9.20		0.00	[illegible]	[illegible]	0.00	0.00	0.00	0.00	0.00	0.00
	243				97.14							0.00	0.00	
SEP		80.70	6.17	8.33		[illegible]	[illegible]	[illegible]	0.00	0.00	0.00	0.00	0.00	0.00
	273				97.14							0.00	0.00	
OCT		70.90	2.66	7.99		0.00	0.91	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	304				97.14							0.00	0.00	
NOV		62.60	[illegible]	[illegible]		0.00	[illegible]	[illegible]	0.00	0.00	0.00	0.00	0.00	0.00
	334				97.14							0.00	0.00	
DEC		54.30	[illegible]	[illegible]		0.00	[illegible]	[illegible]	0.00	0.00	0.00	0.00	0.00	0.00
	365				97.14							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						29.90			20.10	20.10	10.45	0.00	0.00	9.66

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	7.76	9.66
95	8.17	10.16
90	8.63	10.73
85	9.13	11.36
80	9.70	12.07
75	10.35	12.87
70	11.09	13.79
65	11.94	14.88
60	12.94	16.09
55	14.12	17.56
50	15.53	19.31

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT GAINESVILLE (ALACHUA CTY) AS PER SCS

LATITUDE= 29 DEG 38 MIN
PLANTING DATE= 2/15 HARVEST DATE= 7/15
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 48.32 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

1 VEGETABLES

****

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.50	7.32		0.00	0.53	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.00	3.10	7.03		1.78	[illegible]	[illegible]	0.36	0.36	0.36	0.00	0.00	0.00
	59				8.67							0.00	0.00	
MAR		66.00	3.69	8.37		5.52	0.83	0.54	2.47	2.47	1.94	0.00	0.00	0.53
	90				29.33							0.00	0.00	
APR		68.10	3.38	8.70		9.93	0.84	[illegible]	3.91	3.91	1.95	0.00	0.00	1.96
	120				49.33							0.00	0.00	
MAY		75.20	2.84	9.53		7.18	[illegible]	[illegible]	5.76	5.76	1.85	0.00	0.00	3.91
	151				70.00							0.00	0.00	
JUN		80.20	6.96	9.47		7.60	1.07	0.70	5.74	5.74	4.02	0.00	0.00	1.72
	181				90.00							0.00	0.00	
JUL		82.80	7.63	9.65		3.81	[illegible]	[illegible]	2.04	2.04	1.93	0.00	0.00	0.11
	212				100.00							0.00	0.00	
AUG		82.80	5.50	9.20		0.00	[illegible]	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.70	6.17	8.33		0.00	1.08	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.90	2.66	7.99		0.00	0.91	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	1.62	7.21		0.00	0.77	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.30	2.26	7.18		0.00	0.63	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						31.84			20.27	20.27	12.05	0.00	0.00	8.22

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		48.60	2.50	7.32		0.00	0.53	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.00	3.10	7.03		1.76	0.62	0.33	0.36	0.36	0.30	0.00	0.00	0.06
	59				8.67							0.00	0.00	
MAR		66.00	3.69	8.37		5.52	0.83	0.54	2.47	2.47	1.64	0.00	0.00	0.83
	90				29.33							0.00	0.00	
APR		68.10	3.38	8.70		5.93	0.86	0.76	3.91	3.91	1.65	0.00	0.00	2.26
	120				49.33							0.00	0.00	
MAY		75.20	2.84	9.53		7.18	0.99	0.81	5.76	5.76	1.57	0.00	0.00	4.19
	151				70.00							0.00	0.00	
JUN		80.20	6.96	9.47		7.60	1.07	0.87	5.24	5.24	3.40	0.00	0.00	2.33
	181				90.00							0.00	0.00	
JUL		82.80	7.63	9.65		3.87	1.12	0.47	2.04	2.04	1.64	0.00	0.00	0.40
	212				100.00							0.00	0.00	
AUG		82.80	5.50	9.20		0.00	1.12	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.70	6.17	8.33		0.00	1.06	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.90	2.66	7.99		0.00	0.91	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	1.62	7.21		0.00	0.72	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.30	2.28	7.18		0.00	0.53	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						31.84			20.27	20.27	10.20	0.00	0.00	10.07

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GROSS IRRIGATION REQUIREMENTS/SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	8.22	10.07
95	8.66	10.60
90	9.14	11.19
85	9.67	11.85
80	10.28	12.59
75	10.96	13.43
70	11.75	14.39
65	12.65	15.49
60	13.70	16.78
55	14.95	18.31
50	16.44	20.14

Flg. Co.

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT FEDERAL POINT (FLAGLER CTY) AS PER SCS

LATITUDE= 29 DEG 45 MIN
PLANTING DATE= 2/28 HARVEST DATE= 9/30
NORMAL NET IRRIGATION= 0.15 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 52.27 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RI	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	2.95	7.32		0.00	0.67	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.51	7.03		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.20	3.46	8.37		5.46	0.81	0.37	1.63	1.63	1.34	0.00	0.00	0.28
	90				14.49							0.00	0.00	
APR		67.00	2.43	8.70		5.83	0.85	0.58	2.86	2.86	1.05	0.00	0.00	1.80
	120				28.50							0.00	0.00	
MAY		75.10	4.09	9.53		7.16	0.99	0.74	5.22	5.22	1.90	0.00	0.00	3.32
	151				42.99							0.00	0.00	
JUN		79.60	5.91	9.48		7.54	1.06	0.81	6.49	6.49	2.80	0.00	0.00	3.69
	181				57.01							0.00	0.00	
JUL		83.60	6.70	9.66		8.07	1.13	0.81	7.41	7.41	3.28	0.00	0.00	4.13
	212				71.50							0.00	0.00	
AUG		81.80	6.81	9.20		7.33	1.10	0.72	6.00	6.00	3.07	0.00	0.00	2.93
	243				85.98							0.00	0.00	
SEP		79.80	7.13	8.33		6.65	1.07	0.51	3.61	3.61	2.80	0.00	0.00	0.81
	273				100.00							0.00	0.00	
OCT		70.80	3.93	7.99		0.00	0.91	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	2.41	7.21		0.00	0.77	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.90	2.93	7.18		0.00	0.60	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						48.24			33.22	33.22	16.24	0.00	0.00	16.98

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	2.95	7.32		0.00	0.67	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.51	7.03		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.20	3.46	8.37		5.46	0.81	0.37	1.63	1.63	1.15	0.00	0.00	0.48
	90				14.49							0.00	0.00	
APR		67.00	2.43	8.70		5.83	0.85	0.58	2.86	2.86	0.90	0.00	0.00	1.96
	120				28.50							0.00	0.00	
MAY		75.10	4.09	9.53		7.16	0.99	0.74	5.22	5.22	1.62	0.00	0.00	3.60
	151				42.99							0.00	0.00	
JUN		79.60	5.91	9.48		7.54	1.06	0.81	6.49	6.49	2.39	0.00	0.00	4.10
	181				57.01							0.00	0.00	
JUL		83.60	6.70	9.66		8.07	1.13	0.81	7.41	7.41	2.80	0.00	0.00	4.61
	212				71.50							0.00	0.00	
AUG		81.80	6.81	9.20		7.53	1.10	0.72	6.00	6.00	2.63	0.00	0.00	3.38
	243				85.98							0.00	0.00	
SEP		79.80	7.13	8.33		6.65	1.07	0.51	3.61	3.61	2.39	0.00	0.00	1.22
	273				100.00							0.00	0.00	
OCT		70.80	3.93	7.99		0.00	0.91	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	2.41	7.21		0.00	0.77	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.90	2.93	7.18		0.00	0.60	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						48.24			33.22	33.22	13.88	0.00	0.00	19.34

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	16.98	19.34
95	17.87	20.36
90	18.86	21.49
85	19.97	22.75
80	21.22	24.17
75	22.64	25.79
70	24.25	27.63
65	26.12	29.75
60	28.29	32.23
55	30.87	35.16
50	33.95	38.68

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT FEDERAL POINT (FLAGLER CTY) AS PER SCS

LATITUDE= 29 DEG 45 MIN
PLANTING DATE= 2/ 1 HARVEST DATE= 4/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.65 TO 0.75
ANNUAL RAINFALL= 52.27 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.18 POTATOES,IRISH

POTATOES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	2.95	7.32		0.00	0.67	0.33	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.61	7.03		3.69	0.63	0.48	1.11	0.98	0.98	0.00	0.00	0.00
	59				30.34							0.00	0.00	
MAR		65.20	3.46	8.37		5.46	0.81	1.11	4.92	4.37	2.20	0.00	0.00	2.17
	90				65.17							0.00	0.00	
APR		67.00	2.43	8.70		5.83	0.85	1.33	6.54	5.80	1.75	0.00	0.00	4.06
	120				98.88							0.00	0.00	
MAY		75.10	4.09	9.53		0.23	0.99	1.22	0.28	0.25	0.10	0.00	0.00	0.15
	151				100.00							0.00	0.00	
JUN		79.60	5.91	9.48		0.00	1.06	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	181				100.00							0.00	0.00	
JUL		83.60	6.70	9.66		0.00	1.13	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		81.80	6.81	9.20		0.00	1.10	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		79.80	7.13	8.33		0.00	1.07	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.80	3.93	7.99		0.00	0.91	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	2.41	7.21		0.00	0.77	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.90	2.93	7.18		0.00	0.60	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						15.21			12.85	11.41	5.03	0.00	0.00	6.37

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMR	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	2.95	7.32		0.00	0.67	0.33	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.61	7.03		3.69	0.63	0.48	1.11	0.98	0.84	0.00	0.00	0.14
	59				30.34							0.00	0.00	
MAR		65.20	3.46	8.37		5.46	0.81	1.11	4.92	4.37	1.88	0.00	0.00	2.49
	90				65.17							0.00	0.00	
APR		67.00	2.43	8.70		5.83	0.85	1.33	6.54	5.80	1.49	0.00	0.00	4.31
	120				98.88							0.00	0.00	
MAY		75.10	4.09	9.53		0.23	0.99	1.22	0.28	0.25	0.08	0.00	0.00	0.16
	151				100.00							0.00	0.00	
JUN		79.60	5.91	9.48		0.00	1.06	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	181				100.00							0.00	0.00	
JUL		83.60	6.70	9.66		0.00	1.13	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		81.80	6.81	9.20		0.00	1.10	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		79.80	7.13	8.33		0.00	1.07	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.80	3.93	7.99		0.00	0.91	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	2.41	7.21		0.00	0.77	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.90	2.93	7.18		0.00	0.60	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						15.21			12.85	11.41	4.30	0.00	0.00	7.10

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	6.37	7.10
95	6.71	7.48
90	7.08	7.89
85	7.50	8.36
80	7.96	8.88
75	8.49	9.47
70	9.10	10.15
65	9.80	10.93
60	10.62	11.84
55	11.58	12.92
50	12.74	14.21

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT FEDERAL POINT (FLAGLER CTY) AS PER SCS

LATITUDE= 29 DEG 45 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 52.27 INCHES
PERCENT CHANCE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	2.95	7.32		4.04	0.67	0.50	1.35	1.35	1.35	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		54.40	3.51	7.03		3.82	0.63	0.58	1.38	1.38	1.38	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		65.20	3.46	8.37		5.46	0.81	0.73	3.25	3.25	2.07	0.00	0.00	1.18
	90				24.66							0.00	0.00	
APR		67.00	2.43	8.70		5.83	0.85	0.85	4.17	4.17	1.60	0.00	0.00	2.58
	120				32.88							0.00	0.00	
MAY		75.10	4.09	9.53		7.16	0.99	0.90	6.33	6.33	2.85	0.00	0.00	3.49
	151				41.37							0.00	0.00	
JUN		79.60	5.91	9.48		7.54	1.06	0.92	7.37	7.37	4.14	0.00	0.00	3.22
	181				49.59							0.00	0.00	
JUL		83.60	6.70	9.66		8.07	1.13	0.92	8.40	8.40	4.88	0.00	0.00	3.51
	212				58.08							0.00	0.00	
AUG		81.80	6.81	9.20		7.53	1.10	0.90	7.50	7.50	4.71	0.00	0.00	2.79
	243				66.58							0.00	0.00	
SEP		79.80	7.13	8.33		6.65	1.07	0.87	6.13	6.13	4.54	0.00	0.00	1.60
	273				74.79							0.00	0.00	
OCT		70.80	3.93	7.99		5.66	0.91	0.79	4.06	4.06	2.42	0.00	0.00	1.64
	304				83.29							0.00	0.00	
NOV		62.60	2.41	7.21		4.51	0.77	0.67	2.32	2.32	1.43	0.00	0.00	0.89
	334				91.51							0.00	0.00	
DEC		52.90	2.93	7.18		3.80	0.60	0.54	1.24	1.24	1.24	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						70.07			53.51	53.51	32.60	0.00	0.00	20.91

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	2.95	7.32		4.04	0.67	0.50	1.35	1.35	1.33	0.00	0.00	0.02
	31				8.49							0.00	0.00	
FEB		54.40	3.51	7.03		3.82	0.63	0.58	1.38	1.38	1.36	0.00	0.00	0.02
	59				16.16							0.00	0.00	
MAR		65.20	3.46	8.37		5.46	0.81	0.73	3.25	3.25	2.04	0.00	0.00	1.21
	90				24.66							0.00	0.00	
APR		67.00	2.43	8.70		5.83	0.85	0.85	4.17	4.17	1.57	0.00	0.00	2.60
	120				32.88							0.00	0.00	
MAY		75.10	4.09	9.53		7.16	0.99	0.90	6.33	6.33	2.80	0.00	0.00	3.53
	151				41.37							0.00	0.00	
JUN		79.60	5.91	9.48		7.54	1.06	0.92	7.37	7.37	4.08	0.00	0.00	3.29
	181				49.59							0.00	0.00	
JUL		83.60	6.70	9.66		8.07	1.13	0.92	8.40	8.40	4.81	0.00	0.00	3.59
	212				58.08							0.00	0.00	
AUG		81.80	6.81	9.20		7.53	1.10	0.90	7.50	7.50	4.64	0.00	0.00	2.86
	243				66.58							0.00	0.00	
SEP		79.80	7.13	8.33		6.65	1.07	0.87	6.13	6.13	4.47	0.00	0.00	1.67
	273				74.79							0.00	0.00	
OCT		70.80	3.93	7.99		5.66	0.91	0.79	4.06	4.06	2.38	0.00	0.00	1.68
	304				83.29							0.00	0.00	
NOV		62.60	2.41	7.21		4.51	0.77	0.67	2.32	2.32	1.41	0.00	0.00	0.92
	334				91.51							0.00	0.00	
DEC		52.90	2.93	7.18		3.80	0.60	0.54	1.24	1.24	1.22	0.00	0.00	0.02
	365				100.00							0.00	0.00	
SEASONAL TOTALS						70.07			53.51	53.51	32.10	0.00	0.00	21.41

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	20.91	21.41
95	22.01	22.54
90	23.23	23.79
85	24.60	25.19
80	26.14	26.77
75	27.88	28.55
70	29.87	30.59
65	32.17	32.94
60	34.85	35.69
55	38.02	38.93
50	41.82	42.83

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT FEDERAL POINT (FLAGLER CTY) AS PER SCS

LATITUDE= 29 DEG 45 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 6/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 52.27 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO. 5 CORN,SWEET

CORN

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	2.95	7.32		0.00	0.67	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.51	7.03		0.00	0.63	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.20	3.46	8.37		5.28	0.81	0.53	2.26	2.21	1.90	0.00	0.00	0.31
	90				24.59							0.00	0.00	
APR		67.00	2.43	8.70		5.83	0.85	0.86	4.22	4.12	1.59	0.00	0.00	2.53
	120				49.18							0.00	0.00	
MAY		75.10	4.09	9.53		7.16	0.99	1.07	7.57	7.40	3.02	0.00	0.00	4.38
	151				74.59							0.00	0.00	
JUN		79.60	5.91	9.48		7.54	1.06	1.04	8.34	8.15	4.33	0.00	0.00	3.82
	181				99.18							0.00	0.00	
JUL		83.60	6.70	9.66		0.26	1.13	1.00	0.30	0.29	0.16	0.00	0.00	0.13
	212				100.00							0.00	0.00	
AUG		81.80	6.81	9.20		0.00	1.10	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		79.80	7.13	8.33		0.00	1.07	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.80	3.93	7.99		0.00	0.91	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	2.41	7.21		0.00	0.77	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.90	2.93	7.18		0.00	0.60	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						26.08			22.68	22.16	11.00	0.00	0.00	11.17

****

NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	2.95	7.32		0.00	0.67	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.51	7.03		0.00	0.83	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.20	3.46	8.37		5.28	0.81	0.53	2.26	2.21	1.62	0.00	0.00	0.58
	90				24.59							0.00	0.00	
APR		67.00	2.43	8.70		5.83	0.85	0.86	4.22	4.12	1.36	0.00	0.00	2.76
	120				49.18							0.00	0.00	
MAY		75.10	4.09	9.53		7.16	0.99	1.07	7.57	7.40	2.58	0.00	0.00	4.82
	151				74.59							0.00	0.00	
JUN		79.60	5.91	9.48		7.54	1.06	1.04	8.34	8.15	3.70	0.00	0.00	4.45
	181				99.18							0.00	0.00	
JUL		83.60	6.70	9.66		0.26	1.13	1.00	0.30	0.29	0.14	0.00	0.00	0.15
	212				100.00							0.00	0.00	
AUG		81.80	6.81	9.20		0.00	1.10	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		79.80	7.13	8.33		0.00	1.07	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.80	3.93	7.99		0.00	0.91	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	2.41	7.21		0.00	0.77	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.90	2.93	7.18		0.00	0.60	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						26.08			22.68	22.16	9.40	0.00	0.00	12.76

****

GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	11.17	12.76
95	11.75	13.44
90	12.41	14.18
85	13.14	15.02
80	13.96	15.96
75	14.89	17.02
70	15.95	18.24
65	17.18	19.64
60	18.61	21.27
55	20.30	23.21
50	22.33	25.53

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT FEDERAL POINT (FLAGLER CTY) AS PER SCS

LATITUDE= 29 DEG 45 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.45 TO 0.55
ANNUAL RAINFALL= 52.27 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.10 CITRUS

CITRUS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	2.95	7.32		4.04	0.67	0.64	1.73	1.48	1.48	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		54.40	3.51	7.03		3.82	0.65	0.65	1.57	1.35	1.35	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		65.20	3.46	8.37		5.46	0.81	0.67	2.99	2.57	1.99	0.00	0.00	0.58
	90				24.66							0.00	0.00	
APR		67.00	2.43	8.70		5.83	0.85	0.70	3.43	2.95	1.49	0.00	0.00	1.46
	120				32.88							0.00	0.00	
MAY		75.10	4.09	9.53		7.16	0.99	0.70	4.94	4.24	2.53	0.00	0.00	1.71
	151				41.37							0.00	0.00	
JUN		79.60	5.91	9.48		7.54	1.08	0.71	5.68	4.88	3.60	0.00	0.00	1.27
	181				49.59							0.00	0.00	
JUL		83.60	6.70	9.66		8.07	1.13	0.71	6.49	5.57	4.17	0.00	0.00	1.40
	212				58.08							0.00	0.00	
AUG		81.80	6.81	9.20		7.53	1.10	0.71	5.85	5.02	4.10	0.00	0.00	0.92
	243				66.58							0.00	0.00	
SEP		79.80	7.13	8.33		6.65	1.07	0.70	4.94	4.24	4.08	0.00	0.00	0.16
	273				74.79							0.00	0.00	
OCT		70.80	3.93	7.99		5.66	0.91	0.68	3.51	3.02	2.28	0.00	0.00	0.73
	304				83.29							0.00	0.00	
NOV		62.60	2.41	7.21		4.51	0.77	0.66	2.31	1.98	1.40	0.00	0.00	0.58
	334				91.51							0.00	0.00	
DEC		52.90	2.93	7.18		3.80	0.60	0.64	1.46	1.25	1.25	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						70.07			44.90	38.54	29.74	0.00	0.00	8.80

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	2.95	7.32		4.04	0.67	0.64	1.73	1.48	1.27	0.00	0.00	0.22
	31				8.49							0.00	0.00	
FEB		54.40	3.51	7.03		3.82	0.63	0.65	1.57	1.35	1.15	0.00	0.00	0.20
	59				16.16							0.00	0.00	
MAR		65.20	3.46	8.37		5.46	0.81	0.67	2.99	2.57	1.70	0.00	0.00	0.87
	90				24.66							0.00	0.00	
APR		67.00	2.43	8.70		5.83	0.85	0.70	3.43	2.95	1.27	0.00	0.00	1.67
	120				32.88							0.00	0.00	
MAY		75.10	4.09	9.53		7.16	0.99	0.70	4.94	4.24	2.16	0.00	0.00	2.07
	151				41.37							0.00	0.00	
JUN		79.60	5.91	9.48		7.54	1.06	0.71	5.68	4.88	3.08	0.00	0.00	1.80
	181				49.59							0.00	0.00	
JUL		83.60	6.70	9.66		8.07	1.13	0.71	6.49	5.57	3.56	0.00	0.00	2.01
	212				58.08							0.00	0.00	
AUG		81.80	6.81	9.20		7.53	1.10	0.71	5.85	5.02	3.50	0.00	0.00	1.51
	243				66.58							0.00	0.00	
SEP		79.80	7.13	8.33		6.65	1.07	0.70	4.94	4.24	3.49	0.00	0.00	0.75
	273				74.79							0.00	0.00	
OCT		70.80	3.93	7.99		5.66	0.91	0.68	3.51	3.02	1.95	0.00	0.00	1.06
	304				83.29							0.00	0.00	
NOV		62.60	2.41	7.21		4.51	0.77	0.66	2.31	1.98	1.20	0.00	0.00	0.78
	334				91.51							0.00	0.00	
DEC		52.90	2.93	7.18		3.80	0.60	0.64	1.46	1.25	1.07	0.00	0.00	0.18
	365				100.00							0.00	0.00	
SEASONAL TOTALS						70.07			44.90	38.54	25.41	0.00	0.00	13.13

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	8.80	13.13
95	9.26	13.82
90	9.78	14.58
85	10.35	15.44
80	11.00	16.41
75	11.73	17.50
70	12.57	18.75
65	13.54	20.19
60	14.67	21.88
55	16.00	23.86
50	17.60	26.25

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT FEDERAL POINT (FLAGLER CTY) AS PER SCS

LATITUDE= 29 DEG 45 MIN
PLANTING DATE= 5/ 1 HARVEST DATE= 8/31
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 52.27 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

CABBAGE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	2.95	7.32		0.00	0.67	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.51	7.03		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.20	3.46	8.37		0.00	0.81	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	90				0.00							0.00	0.00	
APR		67.00	2.43	8.70		0.00	0.85	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	120				0.00							0.00	0.00	
MAY		75.10	4.09	9.53		6.93	0.99	0.44	3.03	3.00	2.13	0.00	0.00	0.87
	151				24.59							0.00	0.00	
JUN		79.60	5.91	9.48		7.54	1.06	0.74	5.96	5.88	3.53	0.00	0.00	2.36
	181				49.18							0.00	0.00	
JUL		83.60	6.70	9.66		8.07	1.13	0.81	7.38	7.29	4.24	0.00	0.00	3.04
	212				74.59							0.00	0.00	
AUG		81.80	6.81	9.20		7.53	1.10	0.60	4.95	4.89	3.76	0.00	0.00	1.12
	243				100.00							0.00	0.00	
SEP		79.60	7.13	8.33		0.00	1.07	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.80	3.93	7.99		0.00	0.91	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	2.41	7.21		0.00	0.77	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.90	2.93	7.18		0.00	0.60	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						30.07			21.32	21.05	13.66	0.00	0.00	7.39

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	2.95	7.32		0.00	0.67	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.51	7.03		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.20	3.46	8.37		0.00	0.81	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	90				0.00							0.00	0.00	
APR		67.00	2.43	8.70		0.00	0.85	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	120				0.00							0.00	0.00	
MAY		75.10	4.09	9.53		6.93	0.99	0.44	3.03	3.00	1.82	0.00	0.00	1.18
	151				24.59							0.00	0.00	
JUN		79.60	5.91	9.48		7.54	1.06	0.74	5.96	5.88	3.01	0.00	0.00	2.87
	181				49.18							0.00	0.00	
JUL		83.60	6.70	9.66		8.07	1.13	0.81	7.38	7.29	3.63	0.00	0.00	3.66
	212				74.59							0.00	0.00	
AUG		81.80	6.81	9.20		7.53	1.10	0.60	4.95	4.89	3.22	0.00	0.00	1.67
	243				100.00							0.00	0.00	
SEP		79.80	7.13	8.33		0.00	1.07	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.80	5.93	7.99		0.00	0.91	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	2.41	7.21		0.00	0.77	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.90	2.93	7.18		0.00	0.60	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						30.07			21.32	21.05	11.67	0.00	0.00	9.38

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	7.39	9.38
95	7.78	9.87
90	8.21	10.42
85	8.70	11.03
80	9.24	11.72
75	9.86	12.51
70	10.56	13.40
65	11.37	14.43
60	12.32	15.63
55	13.44	17.05
50	14.78	18.76

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT FEDERAL POINT (FLAGLER CTY) AS PER SCS

LATITUDE= 29 DEG 45 MIN
PLANTING DATE= 8/31 HARVEST DATE= 10/15
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 52.27 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JUL		83.60	6.70	9.66		0.00	1.13	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
AUG		81.80	6.81	9.66		0.00	1.10	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	62				0.00							0.00	0.00	
SEP		79.80	7.13	9.66		0.00	1.07	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	92				0.00							0.00	0.00	
OCT		70.80	3.93	9.66		0.00	0.91	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	123				0.00							0.00	0.00	
NOV		62.60	2.41	9.66		0.00	0.77	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	153				0.00							0.00	0.00	
DEC		52.90	2.93	9.66		0.00	0.60	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	184				0.00							0.00	0.00	
JAN		57.00	2.95	9.66		0.00	0.67	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	215				0.00							0.00	0.00	
FEB		54.40	3.51	9.20		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	243				0.00							0.00	0.00	
MAR		65.20	3.46	8.33		4.91	0.81	0.65	2.61	2.92	1.73	0.00	0.00	1.19
	274				65.12							0.00	0.00	
APR		67.00	2.43	7.99		2.68	0.85	0.65	1.46	1.63	0.70	0.00	0.00	0.93
	304				100.00							0.00	0.00	
MAY		75.10	4.09	7.21		0.00	0.99	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	335				100.00							0.00	0.00	
JUN		79.60	5.91	7.18		0.00	1.06	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						7.58			4.08	4.55	2.43	0.00	0.00	2.12

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JUL		83.60	6.70	9.66		0.00	1.13	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
AUG		81.80	6.81	9.66		0.00	1.10	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	62				0.00							0.00	0.00	
SEP		79.80	7.13	9.66		0.00	1.07	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	92				0.00							0.00	0.00	
OCT		70.80	3.93	9.66		0.00	0.91	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	123				0.00							0.00	0.00	
NOV		62.60	2.41	9.66		0.00	0.77	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	153				0.00							0.00	0.00	
DEC		52.90	2.93	9.66		0.00	0.60	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	184				0.00							0.00	0.00	
JAN		57.00	2.95	9.66		0.00	0.67	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	215				0.00							0.00	0.00	
FEB		54.40	3.51	9.20		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	243				0.00							0.00	0.00	
MAR		65.20	3.46	8.33		4.91	0.81	0.65	2.61	2.92	1.48	0.00	0.00	1.44
	274				65.12							0.00	0.00	
APR		67.00	2.43	7.99		2.68	0.85	0.65	1.46	1.63	0.60	0.00	0.00	1.03
	304				100.00							0.00	0.00	
MAY		75.10	4.09	7.21		0.00	0.99	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	335				100.00							0.00	0.00	
JUN		79.60	5.91	7.18		0.00	1.06	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						7.58			4.08	4.55	2.08	0.00	0.00	2.47

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	2.12	2.47
95	2.23	2.60
90	2.36	2.75
85	2.50	2.91
80	2.65	3.09
75	2.83	3.30
70	3.03	3.53
65	3.26	3.81
60	3.54	4.12
55	3.86	4.50
50	4.24	4.95

OKEE. Co.

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT OKEECHOBEE (OKEECHOBEE CTY) AS PER SCS

LATITUDE= 27 DEG 13 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 51.12 INCHES
PERCENT CHANCE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		62.50	2.09	7.43		4.49	0.77	0.50	1.72	1.72	1.21	0.00	0.00	0.50
	31				8.49							0.00	0.00	
FEB		59.30	2.55	7.09		4.21	0.71	0.58	1.72	1.72	1.45	0.00	0.00	0.27
	59				16.16							0.00	0.00	
MAR		69.40	2.97	8.38		5.81	0.89	0.73	3.78	3.78	1.86	0.00	0.00	1.91
	90				24.66							0.00	0.00	
APR		71.70	2.30	8.66		6.21	0.93	0.85	4.87	4.87	1.58	0.00	0.00	3.29
	120				32.88							0.00	0.00	
MAY		76.90	4.76	9.42		7.24	1.02	0.90	6.61	6.61	3.30	0.00	0.00	3.32
	151				41.37							0.00	0.00	
JUN		80.80	6.95	9.35		7.56	1.08	0.92	7.52	7.52	4.80	0.00	0.00	2.72
	181				49.59							0.00	0.00	
JUL		82.30	6.91	9.54		7.85	1.11	0.92	8.01	8.01	4.91	0.00	0.00	3.10
	212				58.08							0.00	0.00	
AUG		82.40	6.11	9.15		7.54	1.11	0.90	7.58	7.58	4.31	0.00	0.00	3.26
	243				66.58							0.00	0.00	
SEP		80.90	7.73	8.32		6.73	1.09	0.87	6.32	6.32	4.91	0.00	0.00	1.41
	273				74.79							0.00	0.00	
OCT		75.60	4.93	8.04		6.07	0.99	0.79	4.76	4.76	3.06	0.00	0.00	1.70
	304				83.29							0.00	0.00	
NOV		69.60	2.05	7.31		5.09	0.89	0.67	3.03	3.03	1.28	0.00	0.00	1.75
	334				91.51							0.00	0.00	
DEC		61.50	1.77	7.31		4.50	0.75	0.54	1.83	1.83	1.05	0.00	0.00	0.78
	365				100.00							0.00	0.00	
SEASONAL TOTALS						73.30			57.75	57.75	33.73	0.00	0.00	24.01

****

NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		62.50	2.09	7.43		4.49	0.77	0.50	1.72	1.72	1.19	0.00	0.00	0.52
	31				8.49							0.00	0.00	
FEB		59.30	2.55	7.09		4.21	0.71	0.58	1.72	1.72	1.43	0.00	0.00	0.30
	59				16.16							0.00	0.00	
MAR		69.40	2.97	8.38		5.81	0.89	0.73	3.78	3.78	1.83	0.00	0.00	1.94
	90				24.66							0.00	0.00	
APR		71.70	2.30	8.66		6.21	0.93	0.85	4.87	4.87	1.55	0.00	0.00	3.32
	120				32.88							0.00	0.00	
MAY		76.90	4.76	9.42		7.24	1.02	0.90	6.61	6.61	3.24	0.00	0.00	3.38
	151				41.37							0.00	0.00	
JUN		80.80	6.95	9.35		7.56	1.08	0.92	7.52	7.52	4.71	0.00	0.00	2.81
	181				49.59							0.00	0.00	
JUL		82.30	6.91	9.54		7.85	1.11	0.92	8.01	8.01	4.82	0.00	0.00	3.19
	212				58.08							0.00	0.00	
AUG		82.40	6.11	9.15		7.54	1.11	0.90	7.58	7.58	4.23	0.00	0.00	3.34
	243				66.58							0.00	0.00	
SEP		80.90	7.73	8.32		6.73	1.09	0.87	6.32	6.32	4.82	0.00	0.00	1.50
	273				74.79							0.00	0.00	
OCT		75.60	4.93	8.04		6.07	0.99	0.79	4.76	4.76	3.01	0.00	0.00	1.75
	304				83.29							0.00	0.00	
NOV		69.60	2.05	7.31		5.09	0.89	0.67	3.03	3.03	1.26	0.00	0.00	1.77
	334				91.51							0.00	0.00	
DEC		61.50	1.77	7.31		4.50	0.75	0.55	1.83	1.83	1.03	0.00	0.00	0.80
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						73.30			57.75	57.75	33.13	0.00	0.00	24.61

****

GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	24.01	24.61
95	25.28	25.91
90	26.68	27.35
85	28.25	28.96
80	30.02	30.77
75	32.02	32.82
70	34.30	35.16
65	36.94	37.86
60	40.02	41.02
55	43.66	44.75
50	48.03	49.22

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT OKEECHOBEE (OKEECHOBEE CTY) AS PER SCS

LATITUDE= 27 DEG 13 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.45 TO 0.55
ANNUAL RAINFALL= 51.12 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.10 CITRUS

CITRUS

****

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		62.50	2.09	7.43		4.49	0.77	0.64	2.19	1.80	1.22	0.00	0.00	0.58
	31				8.49							0.00	0.00	
FEB		59.30	2.55	7.09		4.21	0.71	0.65	1.96	1.61	1.44	0.00	0.00	0.17
	59				16.16							0.00	0.00	
MAR		69.40	2.97	8.38		5.81	0.89	0.67	3.47	2.85	1.77	0.00	0.00	1.08
	90				24.66							0.00	0.00	
APR		71.70	2.30	8.66		6.21	0.93	0.70	4.01	3.29	1.45	0.00	0.00	1.85
	120				32.88							0.00	0.00	
MAY		76.90	4.76	9.42		7.24	1.02	0.70	5.16	4.24	2.89	0.00	0.00	1.35
	151				41.37							0.00	0.00	
JUN		80.80	6.95	9.35		7.56	1.08	0.71	5.80	4.77	4.11	0.00	0.00	0.65
	181				49.59							0.00	0.00	
JUL		82.30	6.91	9.54		7.85	1.11	0.71	6.19	5.08	4.17	0.00	0.00	0.92
	212				58.08							0.00	0.00	
AUG		82.40	6.11	9.15		7.54	1.11	0.71	5.91	4.85	3.70	0.00	0.00	1.15
	243				66.58							0.00	0.00	
SEP		80.90	7.73	8.32		6.73	1.09	0.70	5.09	4.19	4.19	0.00	0.00	0.00
	273				74.79							0.00	0.00	
OCT		75.60	4.93	8.04		6.07	0.99	0.68	4.12	3.38	2.84	0.00	0.00	0.54
	304				83.29							0.00	0.00	
NOV		69.60	2.05	7.31		5.09	0.89	0.66	3.01	2.47	1.24	0.00	0.00	1.23
	334				91.51							0.00	0.00	
DEC		61.50	1.77	7.31		4.50	0.75	0.64	2.16	1.77	1.05	0.00	0.00	0.72
	365				100.00							0.00	0.00	
SEASONAL TOTALS						73.30			49.06	40.32	30.07	0.00	0.00	10.25

****

NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		62.50	2.09	7.43		4.49	0.77	0.64	2.19	1.80	1.04	0.00	0.00	0.76
	31				8.49							0.00	0.00	
FEB		59.30	2.55	7.09		4.21	0.71	0.65	1.96	1.61	1.23	0.00	0.00	0.38
	59				16.16							0.00	0.00	
MAR		69.40	2.97	8.38		5.81	0.89	0.67	3.47	2.85	1.51	0.00	0.00	1.34
	90				24.66							0.00	0.00	
APR		71.70	2.30	8.66		6.21	0.93	0.70	4.01	3.29	1.23	0.00	0.00	2.06
	120				32.88							0.00	0.00	
MAY		76.90	4.76	9.42		7.24	1.02	0.70	5.16	4.24	2.46	0.00	0.00	1.78
	151				41.37							0.00	0.00	
JUN		80.80	6.95	9.35		7.56	1.08	0.71	5.80	4.77	3.51	0.00	0.00	1.26
	181				49.59							0.00	0.00	
JUL		82.30	6.91	9.54		7.85	1.11	0.71	6.19	5.08	3.55	0.00	0.00	1.53
	212				58.08							0.00	0.00	
AUG		82.40	6.11	9.15		7.54	1.11	0.71	5.91	4.85	3.16	0.00	0.00	1.70
	243				66.58							0.00	0.00	
SEP		80.90	7.73	8.32		6.73	1.09	0.70	5.09	4.19	3.57	0.00	0.00	0.62
	273				74.79							0.00	0.00	
OCT		75.60	4.93	8.04		6.07	0.99	0.68	4.12	3.38	2.42	0.00	0.00	0.96
	304				83.29							0.00	0.00	
NOV		69.60	2.05	7.31		5.09	0.89	0.68	3.01	2.47	1.06	0.00	0.00	1.41
	334				91.51							0.00	0.00	
DEC		61.50	1.77	7.31		4.50	0.75	0.64	2.16	1.77	0.89	0.00	0.00	0.88
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						73.30			49.06	40.32	25.62	0.00	0.00	14.69

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	10.25	14.69
95	10.79	15.47
90	11.39	16.33
85	12.06	17.29
80	12.81	18.37
75	13.67	19.59
70	14.65	20.99
65	15.77	22.61
60	17.09	24.49
55	18.64	26.72
50	20.50	29.39

Orange Co.

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT ORLANDO (ORANGE CTY) AS PER SCS

LATITUDE= 28 DEG 26 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.45 TO 0.55
ANNUAL RAINFALL= 45.51 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.10 CITRUS

CITRUS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		60.50	2.08	7.38		4.32	0.73	0.64	2.01	1.66	1.21	0.00	0.00	0.46
	31				8.49							0.00	0.00	
FEB		57.20	1.91	7.06		4.04	0.68	0.65	1.79	1.48	1.10	0.00	0.00	0.37
	59				16.16							0.00	0.00	
MAR		68.20	2.17	8.37		5.71	0.87	0.67	3.33	2.75	1.33	0.00	0.00	1.42
	90				24.66							0.00	0.00	
APR		70.40	1.51	8.68		6.11	0.90	0.70	3.85	3.18	0.98	0.00	0.00	2.20
	120				32.88							0.00	0.00	
MAY		76.40	5.69	9.48		7.24	1.01	0.70	5.11	4.22	3.36	0.00	0.00	0.86
	151				41.37							0.00	0.00	
JUN		80.10	8.38	9.41		7.54	1.07	0.71	5.72	4.73	4.73	0.00	0.00	0.00
	181				49.59							0.00	0.00	
JUL		83.60	7.71	9.60		8.02	1.13	0.71	6.45	5.33	4.64	0.00	0.00	0.69
	212				58.08							0.00	0.00	
AUG		83.60	4.97	9.18		7.67	1.13	0.71	6.13	5.06	3.14	0.00	0.00	1.92
	243				66.58							0.00	0.00	
SEP		81.70	5.84	8.32		6.80	1.10	0.70	5.21	4.31	3.46	0.00	0.00	0.85
	273				74.79							0.00	0.00	
OCT		75.40	1.27	8.01		6.04	0.99	0.68	4.08	3.37	0.84	0.00	0.00	2.53
	304				83.29							0.00	0.00	
NOV		67.10	2.04	7.26		4.87	0.85	0.66	2.74	2.27	1.23	0.00	0.00	1.04
	334				91.51							0.00	0.00	
DEC		59.00	1.96	7.25		4.28	0.71	0.64	1.93	1.60	1.14	0.00	0.00	0.46
	365				100.00							0.00	0.00	
SEASONAL TOTALS						72.64			48.35	39.95	27.15	0.00	0.00	12.81

****

NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		60.50	2.08	7.38		4.32	0.73	0.64	2.01	1.66	1.01	0.00	0.00	0.65
	31				8.49							0.00	0.00	
FEB		57.20	1.91	7.06		4.04	0.68	0.65	1.79	1.48	0.93	0.00	0.00	0.55
	59				16.16							0.00	0.00	
MAR		68.20	2.17	8.37		5.71	0.87	0.67	3.33	2.75	1.12	0.00	0.00	1.63
	90				24.66							0.00	0.00	
APR		70.40	1.51	8.68		6.11	0.90	0.70	3.85	3.18	0.82	0.00	0.00	2.36
	120				32.88							0.00	0.00	
MAY		76.40	5.69	9.48		7.24	1.01	0.70	5.11	4.22	2.83	0.00	0.00	1.39
	151				41.37							0.00	0.00	
JUN		80.10	8.38	9.41		7.54	1.07	0.71	5.72	4.73	3.98	0.00	0.00	0.75
	181				49.59							0.00	0.00	
JUL		83.60	7.71	9.60		8.02	1.13	0.71	6.45	5.33	3.90	0.00	0.00	1.43
	212				58.08							0.00	0.00	
AUG		83.60	4.97	9.18		7.67	1.13	0.71	6.13	5.06	2.64	0.00	0.00	2.42
	243				66.58							0.00	0.00	
SEP		81.70	5.84	8.32		6.80	1.10	0.70	5.21	4.31	2.91	0.00	0.00	1.40
	273				74.79							0.00	0.00	
OCT		75.40	1.27	8.01		6.04	0.99	0.68	4.08	3.37	0.71	0.00	0.00	2.66
	304				83.29							0.00	0.00	
NOV		67.10	2.04	7.26		4.87	0.85	0.66	2.74	2.27	1.03	0.00	0.00	1.24
	334				91.51							0.00	0.00	
DEC		59.00	1.96	7.25		4.28	0.71	0.64	1.93	1.60	0.96	0.00	0.00	0.64
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						72.84			48.35	39.95	22.83	0.00	0.00	17.12

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	12.81	17.12
95	13.48	18.03
90	14.23	19.03
85	15.07	20.15
80	16.01	21.41
75	17.08	22.83
70	18.30	24.46
65	19.71	26.35
60	21.35	28.54
55	23.29	31.14
50	25.62	34.25

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT ORLANDO (ORANGE CTY) AS PER SCS

LATITUDE= 28 DEG 26 MIN
PLANTING DATE= 9/ 1 HARVEST DATE= 11/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 45.51 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO. 5 CORN,SWEET

CORN

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JUL		83.60	7.71	9.60		0.00	1.13	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
AUG		83.60	4.97	9.60		0.00	1.13	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	62				0.00							0.00	0.00	
SEP		81.70	5.84	9.60		0.00	1.10	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	92				0.00							0.00	0.00	
OCT		75.40	1.27	9.60		0.00	0.99	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	123				0.00							0.00	0.00	
NOV		67.10	2.04	9.60		0.00	0.85	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	153				0.00							0.00	0.00	
DEC		59.00	1.96	9.60		0.00	0.71	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	184				0.00							0.00	0.00	
JAN		60.50	2.08	9.60		0.00	0.73	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	215				0.00							0.00	0.00	
FEB		57.20	1.91	9.18		0.00	0.68	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	243				0.00							0.00	0.00	
MAR		68.20	2.17	8.52		5.49	0.87	0.62	2.97	2.97	1.31	0.00	0.00	1.66
	274				40.00							0.00	0.00	
APR		70.40	1.51	8.01		5.64	0.90	1.05	5.38	5.38	1.11	0.00	0.00	4.27
	304				80.00							0.00	0.00	
MAY		76.40	5.69	7.26		2.68	1.01	1.03	2.79	2.79	1.77	0.00	0.00	1.02
	335				100.00							0.00	0.00	
JUN		80.10	8.38	7.25		0.00	1.07	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						13.82			11.14	11.14	4.19	0.00	0.00	6.95

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JUL		83.60	7.71	9.60		0.00	1.13	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
AUG		83.60	4.97	9.60		0.00	1.13	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	62				0.00							0.00	0.00	
SEP		81.70	5.84	9.60		0.00	1.10	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	92				0.00							0.00	0.00	
OCT		75.40	1.27	9.60		0.00	0.99	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	123				0.00							0.00	0.00	
NOV		67.10	2.04	9.60		0.00	0.85	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	153				0.00							0.00	0.00	
DEC		59.00	1.96	9.60		0.00	0.71	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	184				0.00							0.00	0.00	
JAN		60.50	2.08	9.60		0.00	0.73	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	215				0.00							0.00	0.00	
FEB		57.20	1.91	9.18		0.00	0.68	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	243				0.00							0.00	0.00	
MAR		68.20	2.17	8.32		5.49	0.87	0.62	2.97	2.97	1.10	0.00	0.00	1.87
	274				40.00							0.00	0.00	
APR		70.40	1.51	8.01		5.64	0.90	1.05	5.38	5.38	0.93	0.00	0.00	4.45
	304				80.00							0.00	0.00	
MAY		76.40	5.69	7.26		2.68	1.01	1.03	2.79	2.79	1.49	0.00	0.00	1.30
	335				100.00							0.00	0.00	
JUN		80.10	8.38	7.25		0.00	1.07	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						13.82			11.14	11.14	3.52	0.00	0.00	7.61

****

GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	6.95	7.61
95	7.31	8.01
90	7.72	8.46
85	8.17	8.96
80	8.68	9.52
75	9.26	10.15
70	9.92	10.88
65	10.69	11.71
60	11.58	12.69
55	12.63	13.84
50	13.89	15.23

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT ORLANDO (ORANGE CTY) AS PER SCS

LATITUDE= 28 DEG 26 MIN
PLANTING DATE= 8/15 HARVEST DATE= 10/31
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 41.21 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JUL		83.60	7.71	9.60		0.00	1.13	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
AUG		83.60	4.97	9.60		0.00	1.13	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	62				0.00							0.00	0.00	
SEP		81.70	5.84	9.60		0.00	1.10	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	92				0.00							0.00	0.00	
OCT		75.40	1.27	9.60		0.00	0.99	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	123				0.00							0.00	0.00	
NOV		67.10	2.04	9.60		0.00	0.85	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	153				0.00							0.00	0.00	
DEC		59.00	1.96	9.60		0.00	0.71	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	184				0.00							0.00	0.00	
JAN		60.50	2.08	9.60		0.00	0.73	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	215				0.00							0.00	0.00	
FEB		57.20	1.91	9.18		2.44	0.68	0.39	0.64	0.68	0.47	0.00	0.00	0.21
	243				17.33							0.00	0.00	
MAR		68.20	2.17	8.32		5.68	0.87	0.73	3.60	3.87	1.31	0.00	0.00	2.56
	274				58.67							0.00	0.00	
APR		70.40	1.51	8.01		5.64	0.90	0.68	3.48	3.74	0.93	0.00	0.00	2.80
	304				98.67							0.00	0.00	
MAY		76.40	5.69	7.26		0.18	1.01	0.38	0.07	0.07	0.07	0.00	0.00	0.00
	335				100.00							0.00	0.00	
JUN		80.10	8.38	7.25		0.00	1.07	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						13.93			7.79	8.36	2.79	0.00	0.00	5.57

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JUL		83.60	7.71	9.60		0.00	1.13	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
AUG		83.60	4.97	9.60		0.00	1.13	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	62				0.00							0.00	0.00	
SEP		81.70	5.84	9.60		0.00	1.10	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	92				0.00							0.00	0.00	
OCT		75.40	1.27	9.60		0.00	0.99	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	123				0.00							0.00	0.00	
NOV		67.10	2.04	9.60		0.00	0.85	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	153				0.00							0.00	0.00	
DEC		59.00	1.96	9.60		0.00	0.71	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	184				0.00							0.00	0.00	
JAN		60.50	2.08	9.60		0.00	0.73	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	215				0.00							0.00	0.00	
FEB		57.20	1.91	9.18		2.44	0.68	0.39	0.64	0.68	0.39	0.00	0.00	0.29
	243				17.33							0.00	0.00	
MAR		68.20	2.17	8.32		5.68	0.87	0.73	3.60	3.87	1.09	0.00	0.00	2.78
	274				58.67							0.00	0.00	
APR		70.40	1.51	8.01		5.64	0.90	0.68	3.48	3.74	0.78	0.00	0.00	2.96
	304				98.67							0.00	0.00	
MAY		76.40	5.69	7.26		0.18	1.01	0.38	0.07	0.07	0.06	0.00	0.00	0.01
	335				100.00							0.00	0.00	
JUN		80.10	8.38	7.25		0.00	1.07	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						13.93			7.79	8.36	2.32	0.00	0.00	6.04

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	5.57	6.04
95	5.86	6.35
90	6.19	6.71
85	6.55	7.10
80	6.96	7.55
75	7.43	8.05
70	7.96	8.62
65	8.57	9.29
60	9.28	10.06
55	10.13	10.98
50	11.14	12.07

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT ORLANDO (ORANGE CTY) AS PER SCS

LATITUDE= 28 DEG 26 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 7/ 1
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 45.51 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO. 5 CORN,SWEET

CORN

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		60.50	2.08	7.38		0.00	0.73	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		57.20	1.91	7.06		0.00	0.68	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		68.20	2.17	8.37		5.52	0.87	0.53	2.51	2.40	1.27	0.00	0.00	1.13
	90				24.59							0.00	0.00	
APR		70.40	1.51	8.68		6.11	0.90	0.86	4.73	4.51	1.05	0.00	0.00	3.46
	120				49.18							0.00	0.00	
MAY		76.40	5.69	9.48		7.24	1.01	1.07	7.83	7.47	4.03	0.00	0.00	3.44
	151				74.59							0.00	0.00	
JUN		80.10	8.38	9.41		7.54	1.07	1.04	8.40	8.01	5.78	0.00	0.00	2.23
	181				99.18							0.00	0.00	
JUL		83.60	7.71	9.60		0.26	1.13	1.00	0.29	0.28	0.18	0.00	0.00	0.10
	212				100.00							0.00	0.00	
AUG		83.60	4.97	9.18		0.00	1.13	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.70	5.84	8.32		0.00	1.10	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		75.40	1.27	8.01		0.00	0.99	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		67.10	2.04	7.26		0.00	0.85	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		59.00	1.96	7.25		0.00	0.71	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						26.67			23.77	22.67	12.32	0.00	0.00	10.35

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		60.50	2.08	7.38		0.00	0.73	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		57.20	1.91	7.06		0.00	0.68	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		68.20	2.17	8.37		5.52	0.87	0.53	2.51	2.40	1.07	0.00	0.00	1.33
	90				24.59							0.00	0.00	
APR		70.40	1.51	8.68		6.11	0.90	0.86	4.73	4.51	0.89	0.00	0.00	3.62
	120				49.18							0.00	0.00	
MAY		76.40	5.69	9.48		7.24	1.01	1.07	7.83	7.47	3.39	0.00	0.00	4.08
	151				74.59							0.00	0.00	
JUN		80.10	8.38	9.41		7.54	1.07	1.04	8.40	8.01	4.86	0.00	0.00	3.15
	181				99.18							0.00	0.00	
JUL		83.60	7.71	9.60		0.26	1.13	1.00	0.29	0.28	0.15	0.00	0.00	0.13
	212				100.00							0.00	0.00	
AUG		83.60	4.97	9.18		0.00	1.13	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.70	5.84	8.32		0.00	1.10	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		75.40	1.27	8.01		0.00	0.99	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		67.10	2.04	7.26		0.00	0.85	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		59.00	1.98	7.25		0.00	0.71	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						26.67			23.77	22.67	10.36	0.00	0.00	12.31

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	10.35	12.31
95	10.90	12.96
90	11.50	13.68
85	12.18	14.49
80	12.94	15.39
75	13.81	16.42
70	14.79	17.59
65	15.93	18.94
60	17.26	20.52
55	18.83	22.39
50	20.71	24.62

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT ORLANDO (ORANGE CTY) AS PER SCS

LATITUDE= 28 DEG 26 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 45.51 INCHES
PERCENT CHANCE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MO	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UPONA	RE	SOMO	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		68.50	2.03	7.38		4.32	0.73	0.50	1.53	1.53	1.20	0.00	0.00	0.38
	31				8.49							0.00	0.00	
FEB		57.20	1.91	7.06		4.04	0.68	0.58	1.57	1.57	1.11	0.00	0.00	0.46
	59				16.16							0.00	0.00	
MAR		68.20	2.17	8.37		5.71	0.87	0.73	3.62	3.62	1.40	0.00	0.00	2.22
	90				24.66							0.00	0.00	
APR		70.40	1.51	8.63		6.11	0.90	0.85	4.68	4.68	1.06	0.00	0.00	3.61
	120				32.88							0.00	0.00	
MAY		76.40	5.69	9.48		7.24	1.01	0.90	6.55	6.55	3.83	0.00	0.00	2.72
	151				41.37							0.00	0.00	
JUN		81.10	8.39	9.41		7.54	1.07	0.92	7.42	7.42	5.59	0.00	0.00	1.83
	181				49.59							0.00	0.00	
JUL		83.60	7.71	9.60		8.02	1.13	0.92	8.35	8.35	5.49	0.00	0.00	2.86
	212				58.08							0.00	0.00	
AUG		85.60	4.97	9.18		7.67	1.13	0.90	7.86	7.86	3.67	0.00	0.00	4.19
	243				66.53							0.00	0.00	
SEP		81.70	5.84	8.52		6.80	1.10	0.87	6.47	6.47	3.90	0.00	0.00	2.57
	273				74.79							0.00	0.00	
OCT		75.40	1.27	8.01		6.04	0.99	0.79	4.72	4.72	0.91	0.00	0.00	3.81
	304				83.29							0.00	0.00	
NOV		67.10	2.04	7.26		4.87	0.85	0.67	2.76	2.76	1.26	0.00	0.00	1.50
	334				91.51							0.00	0.00	
DEC		59.30	1.96	7.25		4.28	0.71	0.54	1.64	1.64	1.14	0.00	0.00	0.50
	365				100.00							0.00	0.00	
SEASONAL TOTALS						72.64			57.21	57.21	30.56	0.00	0.00	26.65

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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FOR	DAYS	TEMP	RT	LITE	GRC	F	KT	KC	UMON	UNONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		60.50	2.08	7.38		4.32	0.73	0.50	1.58	1.58	1.18	0.00	0.00	0.40
	31				8.49							0.00	0.00	
FEB		57.20	1.91	7.06		4.04	0.68	0.58	1.57	1.57	1.09	0.00	0.00	0.48
	59				16.16							0.00	0.00	
MAR		68.20	2.17	8.37		5.71	0.87	0.73	3.62	3.62	1.37	0.00	0.00	2.25
	90				24.66							0.00	0.00	
APR		76.40	1.51	5.68		6.11	0.90	0.85	4.68	4.68	1.04	0.00	0.00	3.63
	120				32.88							0.00	0.00	
MAY		76.40	5.69	9.48		7.24	1.01	0.90	6.55	6.55	3.75	0.00	0.00	2.80
	151				41.37							0.00	0.00	
JUN		80.10	8.38	9.41		7.54	1.07	0.92	7.42	7.42	5.48	0.00	0.00	1.94
	181				49.59							0.00	0.00	
JUL		83.60	7.71	9.60		8.02	1.13	0.92	8.35	8.35	5.38	0.00	0.00	2.97
	212				58.08							0.00	0.00	
AUG		83.60	4.97	9.18		7.67	1.13	0.90	7.86	7.86	3.59	0.00	0.00	4.26
	243				66.58							0.00	0.00	
SEP		81.70	5.84	8.32		6.80	1.10	0.87	6.47	6.47	3.82	0.00	0.00	2.65
	273				74.79							0.00	0.00	
OCT		75.40	1.27	5.01		6.04	0.99	0.79	4.72	4.72	0.89	0.00	0.00	3.83
	304				83.29							0.00	0.00	
NOV		67.10	2.04	7.26		4.87	0.85	0.67	2.76	2.76	1.23	0.00	0.00	1.53
	334				91.51							0.00	0.00	
DEC		59.00	1.96	7.25		4.28	0.71	0.54	1.64	1.64	1.12	0.00	0.00	0.52
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						72.64			57.21	57.21	29.95	0.00	0.00	27.26

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	26.65	27.26
95	28.05	28.70
90	29.61	30.29
85	31.35	32.07
80	33.31	34.08
75	35.54	36.35
70	38.07	38.95
65	41.00	41.94
60	44.42	45.44
55	48.46	49.57
50	53.30	54.53

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT ORLANDO (ORANGE CTY) AS PER SCS

LATITUDE= 28 DEG 26 MIN
PLANTING DATE= 3/15 HARVEST DATE= 6/ 1
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 45.51 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		60.50	2.02	7.38		0.00	0.73	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		57.20	1.91	7.06		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.20	2.17	8.37		2.95	0.87	0.41	1.05	1.05	0.61	0.00	0.00	0.44
	90				20.51							0.00	0.00	
APR		70.40	1.51	8.68		6.11	0.90	0.75	4.13	4.13	0.95	0.00	0.00	3.18
	120				58.97							0.00	0.00	
MAY		75.40	5.69	9.48		7.24	1.01	0.68	4.97	4.97	3.24	0.00	0.00	1.73
	151				98.72							0.00	0.00	
JUN		80.10	8.38	9.41		0.25	1.07	0.38	0.10	0.10	0.10	0.00	0.00	0.00
	181				100.00							0.00	0.00	
JUL		83.00	7.71	9.60		0.00	1.13	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		83.60	4.97	9.18		0.00	1.13	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.70	5.34	8.32		0.00	1.10	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		75.40	1.27	8.01		0.00	0.99	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		67.10	2.04	7.26		0.00	0.85	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		59.00	1.96	7.25		0.00	0.71	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						16.55			10.26	10.26	4.91	0.00	0.00	5.35

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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FCL	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
					0.00							0.00	0.00	
JAN		60.50	2.03	7.36		0.00	0.73	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		57.20	1.91	7.06		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.20	2.17	8.37		2.95	0.87	0.41	1.05	1.05	0.51	0.00	0.00	0.54
	90				20.51							0.00	0.00	
APR		70.40	1.51	8.68		6.11	0.90	0.75	4.13	4.13	0.80	0.00	0.00	3.33
	120				58.97							0.00	0.00	
MAY		76.40	5.69	9.48		7.24	1.01	0.68	4.97	4.97	2.73	0.00	0.00	2.25
	151				98.72							0.00	0.00	
JUN		80.10	8.38	9.41		0.25	1.07	0.38	0.10	0.10	0.09	0.00	0.00	0.02
	181				100.00							0.00	0.00	
JUL		83.60	7.71	9.60		0.00	1.13	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		83.60	4.97	9.18		0.00	1.13	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.70	5.34	8.32		0.00	1.10	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		75.40	1.27	7.01		0.00	0.99	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		67.10	2.04	7.26		0.00	0.85	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		59.00	1.96	7.25		0.00	0.71	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						16.55			10.26	10.26	4.13	0.00	0.00	6.13

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	5.35	6.13
95	5.63	6.45
90	5.94	6.81
85	6.29	7.21
80	6.69	7.66
75	7.13	8.17
70	7.64	8.76
65	8.23	9.43
60	8.92	10.22
55	9.73	11.15
50	10.70	12.26

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT ORLANDO (ORANGE CTY) AS PER SCS

LATITUDE= 28 DEG 26 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 8/15
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 45.51 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MO	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
					0.00							0.00	0.00	
JAN		60.50	2.08	7.32		0.00	0.73	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		57.20	1.91	7.06		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.20	2.17	3.37		5.52	0.87	0.39	1.88	1.88	1.14	0.00	0.00	0.74
	90				17.96							0.00	0.00	
APR		70.40	1.51	8.68		6.11	0.90	0.65	3.60	3.60	0.93	0.00	0.00	2.67
	120				35.93							0.00	0.00	
MAY		76.40	5.69	9.48		7.24	1.01	0.79	5.78	5.78	3.39	0.00	0.00	2.39
	151				54.49							0.00	0.00	
JUN		80.10	8.38	9.41		7.54	1.07	0.81	6.54	6.54	4.93	0.00	0.00	1.62
	181				72.46							0.00	0.00	
JUL		83.60	7.71	9.60		8.02	1.13	0.69	6.23	6.23	4.51	0.00	0.00	1.72
	212				91.02							0.00	0.00	
AUG		83.60	4.97	9.18		3.71	1.13	0.46	1.94	1.94	1.32	0.00	0.00	0.62
	243				100.00							0.00	0.00	
SEP		81.70	5.84	8.32		0.00	1.10	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		75.40	1.27	8.01		0.00	0.99	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		67.10	2.04	7.26		0.00	0.85	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		59.30	1.96	7.25		0.00	0.71	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						38.15			25.98	25.98	16.22	0.00	0.00	9.76

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GPO	F	KT	FC	UMON	UMONA	RE	SOMB	SOME	XIRM
	5				0.00							0.00	0.00	
JAN		60.50	2.06	7.39		0.00	0.73	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		57.29	1.91	7.06		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		61.20	2.17	7.37		5.52	0.87	0.39	1.98	1.88	0.96	0.00	0.00	0.92
	90				17.96							0.00	0.00	
APR		73.40	1.51	8.68		6.11	0.90	0.65	3.60	3.60	0.78	0.00	0.00	2.82
	120				35.93							0.00	0.00	
MAY		76.40	5.69	9.43		7.24	1.01	0.79	5.78	5.78	2.85	0.00	0.00	2.93
	151				54.49							0.00	0.00	
JUN		80.10	8.38	9.41		7.54	1.07	0.81	6.54	6.54	4.14	0.00	0.00	2.40
	181				72.46							0.00	0.00	
JUL		83.60	7.71	9.60		8.02	1.13	0.69	6.23	6.23	3.79	0.00	0.00	2.44
	212				91.02							0.00	0.00	
AUG		83.60	4.97	9.18		3.71	1.13	0.46	1.94	1.94	1.11	0.00	0.00	0.83
	243				100.00							0.00	0.00	
SEP		81.70	5.84	8.32		0.00	1.10	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		75.40	1.27	5.01		0.00	0.99	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		67.10	2.04	7.26		0.00	0.85	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		59.00	1.96	7.25		0.00	0.71	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						38.15			25.98	25.98	13.64	0.00	0.00	12.34

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	9.76	12.34
95	10.27	12.99
90	10.84	13.71
85	11.48	14.51
80	12.20	15.42
75	13.01	16.45
70	13.94	17.62
65	15.01	18.98
60	16.27	20.56
55	17.74	22.43
50	19.52	24.67

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT ORLANDO (ORANGE CTY) AS PER SCS

LATITUDE= 28 DEG 26 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 7/31
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 45.51 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	1				0.00							0.00	0.00	
JAN		60.50	2.08	7.38		0.00	0.73	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		57.20	1.91	7.06		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.20	2.17	8.37		5.52	0.87	0.41	1.94	1.94	1.14	0.00	0.00	0.80
	90				19.74							0.00	0.00	
APR		78.40	1.51	8.68		6.11	0.90	0.68	3.76	3.76	0.93	0.00	0.00	2.83
	120				39.47							0.00	0.00	
MAY		78.40	5.69	9.48		7.24	1.01	0.81	5.88	5.88	3.41	0.00	0.00	2.47
	151				59.87							0.00	0.00	
JUN		80.10	8.38	9.41		7.54	1.07	0.78	6.34	6.34	4.87	0.00	0.00	1.47
	181				79.61							0.00	0.00	
JUL		83.00	7.71	9.60		8.02	1.13	0.56	5.12	5.12	4.24	0.00	0.00	0.88
	212				100.00							0.00	0.00	
AUG		83.60	4.97	9.18		0.00	1.13	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.70	5.24	8.32		0.00	1.10	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		75.40	1.27	8.01		0.00	0.99	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		67.10	2.04	7.26		0.00	0.85	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		59.00	1.96	7.25		0.00	0.71	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						34.44			23.04	23.04	14.60	0.00	0.00	8.45

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		60.50	2.08	7.32		0.00	0.73	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		57.20	1.91	7.06		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.20	2.17	8.37		5.52	0.87	0.41	1.94	1.94	0.96	0.00	0.00	0.98
	91				19.74							0.00	0.00	
APR		70.40	1.51	8.68		6.11	0.90	0.68	3.76	3.76	0.79	0.00	0.00	2.97
	120				39.47							0.00	0.00	
MAY		76.40	5.69	9.48		7.24	1.01	0.81	5.88	5.88	2.87	0.00	0.00	3.01
	151				59.87							0.00	0.00	
JUN		80.10	8.38	9.41		7.54	1.07	0.78	6.34	6.34	4.10	0.00	0.00	2.25
	181				79.61							0.00	0.00	
JUL		83.40	7.71	9.60		8.02	1.13	0.56	5.12	5.12	3.56	0.00	0.00	1.55
	212				100.00							0.00	0.00	
AUG		83.60	4.97	9.16		0.00	1.13	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.70	5.84	8.32		0.00	1.10	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		75.40	1.27	8.01		0.00	0.99	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		67.10	2.04	7.26		0.00	0.85	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		59.00	1.96	7.25		0.00	0.71	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						34.44			23.04	23.04	12.28	0.00	0.00	10.77

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	8.45	10.77
95	8.89	11.33
90	9.38	11.96
85	9.94	12.67
80	10.56	13.46
75	11.26	14.36
70	12.07	15.38
65	12.99	16.56
60	14.08	17.94
55	15.36	19.58
50	16.89	21.53

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT ORLANDO (ORANGE CTY) AS PER SCS

LATITUDE= 28 DEG 26 MIN
PLANTING DATE= 4/ 1 HARVEST DATE= 9/ 1
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(F)= 0.60 TO 0.70
ANNUAL RAINFALL= 45.51 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRN
	0				0.00							0.00	0.00	
JAN		61.59	2.08	7.38		0.00	0.73	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		57.20	1.91	7.06		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		68.20	2.17	8.37		0.00	0.87	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	90				0.00							0.00	0.00	
APR		70.40	1.51	8.68		5.91	0.90	0.40	2.13	2.12	0.83	0.00	0.00	1.29
	120				18.95							0.00	0.00	
MAY		76.40	5.69	9.48		7.24	1.01	0.67	4.92	4.89	3.23	0.00	0.00	1.66
	151				39.22							0.00	0.00	
JUN		80.10	8.38	9.41		7.54	1.07	0.80	6.50	6.46	4.90	0.00	0.00	1.56
	181				58.82							0.00	0.00	
JUL		83.60	7.71	9.60		8.02	1.13	0.79	7.16	7.11	4.74	0.00	0.00	2.38
	212				79.08							0.00	0.00	
AUG		83.60	4.97	9.18		7.67	1.13	0.57	4.98	4.95	2.88	0.00	0.00	2.07
	243				99.35							0.00	0.00	
SEP		81.70	5.84	8.32		0.23	1.10	0.38	0.09	0.09	0.09	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		75.40	1.27	9.01		0.00	0.99	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		67.10	2.04	7.26		0.00	0.85	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		59.00	1.96	7.25		0.00	0.71	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						36.61			25.80	25.63	16.67	0.00	0.00	8.95

****

NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
					0.00							0.00	0.00	
JAN		61.59	2.08	7.38		0.00	0.73	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		57.23	1.91	7.06		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.20	2.17	7.37		0.00	0.87	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	90				0.00							0.00	0.00	
APR		[illegible]	1.51	6.62		5.91	0.90	0.40	2.13	2.12	0.70	0.00	0.00	1.42
	120				18.95							0.00	0.00	
MAY		76.41	5.69	9.43		7.24	1.01	0.67	4.92	4.89	2.72	0.00	0.00	2.18
	151				39.22							0.00	0.00	
JUN		80.10	8.38	9.41		7.54	1.07	0.80	6.50	6.46	4.12	0.00	0.00	2.34
	181				58.32							0.00	0.00	
JUL		83.64	7.71	9.60		8.02	1.13	0.79	7.16	7.11	3.98	0.00	0.00	3.13
	212				79.00							0.00	0.00	
AUG		83.60	4.97	9.18		7.67	1.13	0.57	4.98	4.95	2.43	0.00	0.00	2.53
	243				99.35							0.00	0.00	
SEP		81.70	5.84	8.32		0.23	1.10	0.38	0.09	0.09	0.08	0.00	0.00	0.01
	273				100.00							0.00	0.00	
OCT		75.43	1.27	8.01		0.00	0.99	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		67.10	2.04	7.26		0.00	0.85	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		59.00	1.96	7.25		0.00	0.71	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						36.61			25.80	25.63	14.02	0.00	0.00	11.60

****

GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	8.95	11.60
95	9.43	12.22
90	9.95	12.89
85	10.53	13.65
80	11.19	14.51
75	11.94	15.47
70	12.79	16.58
65	13.78	17.85
60	14.92	19.34
55	16.28	21.10
50	17.91	23.21

Polk Co.

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT LAKE ALFRED (POLK CTY) AS PER SCS

LATITUDE= 28 DEG 6 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.45 TO 0.55
ANNUAL RAINFALL= 49.40 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.10 CITRUS

CITRUS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		59.30	2.31	7.39		4.28	0.72	0.64	1.96	1.63	1.32	0.00	0.00	0.30
	31				8.49							0.00	0.00	
FEB		56.70	3.09	7.07		4.01	0.67	0.65	1.75	1.45	1.45	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		68.50	3.52	8.37		5.73	0.87	0.67	3.37	2.79	2.05	0.00	0.00	0.74
	90				24.66							0.00	0.00	
APR		70.10	2.15	8.67		6.08	0.90	0.70	3.81	3.16	1.35	0.00	0.00	1.81
	120				32.88							0.00	0.00	
MAY		76.50	4.62	9.46		7.24	1.01	0.70	5.12	4.25	2.82	0.00	0.00	1.43
	151				41.37							0.00	0.00	
JUN		80.00	6.62	9.39		7.52	1.07	0.71	5.70	4.73	3.94	0.00	0.00	0.79
	181				49.59							0.00	0.00	
JUL		83.20	6.68	9.58		7.97	1.13	0.71	6.37	5.29	4.09	0.00	0.00	1.19
	212				58.08							0.00	0.00	
AUG		83.60	7.12	9.17		7.67	1.13	0.71	6.12	5.08	4.27	0.00	0.00	0.81
	243				66.58							0.00	0.00	
SEP		81.20	6.57	8.32		6.76	1.09	0.70	5.14	4.26	3.81	0.00	0.00	0.45
	273				74.79							0.00	0.00	
OCT		75.10	3.72	8.02		6.02	0.99	0.68	4.04	3.36	1.85	0.00	0.00	1.51
	304				83.29							0.00	0.00	
NOV		66.90	1.94	7.28		4.87	0.84	0.66	2.73	2.26	1.12	0.00	0.00	1.15
	334				91.51							0.00	0.00	
DEC		52.10	1.96	7.26		4.22	0.69	0.64	1.87	1.55	1.08	0.00	0.00	0.47
	365				100.00							0.00	0.00	
SEASONAL TOTALS						72.36			47.97	39.80	29.15	0.00	0.00	10.65

****

NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMD	SOME	XIPM
	0				0.00							0.00	0.00	
JAN		59.50	2.31	7.39		4.26	0.72	0.64	1.96	1.63	1.12	0.00	0.00	0.50
	31				8.49							0.00	0.00	
FEB		56.70	3.09	7.07		4.01	0.67	0.65	1.75	1.45	1.23	0.00	0.00	0.22
	59				16.16							0.00	0.00	
MAR		62.50	3.52	5.37		5.73	0.87	0.67	3.37	2.79	1.74	0.00	0.00	1.05
	90				24.66							0.00	0.00	
APR		70.10	2.15	3.67		6.03	0.90	0.70	3.81	3.16	1.15	0.00	0.00	2.01
	120				32.88							0.00	0.00	
MAY		76.50	4.62	9.46		7.24	1.01	0.70	5.12	4.25	2.39	0.00	0.00	1.86
	151				41.37							0.00	0.00	
JUN		80.00	6.62	9.39		7.52	1.07	0.71	5.70	4.73	3.34	0.00	0.00	1.39
	181				49.59							0.00	0.00	
JUL		83.20	6.68	9.58		7.97	1.13	0.71	6.37	5.29	3.48	0.00	0.00	1.81
	212				58.08							0.00	0.00	
AUG		83.60	7.12	9.17		7.67	1.13	0.71	6.12	5.08	3.63	0.00	0.00	1.45
	243				66.58							0.00	0.00	
SEP		81.20	6.57	8.32		6.76	1.09	0.70	5.14	4.26	3.24	0.00	0.00	1.03
	273				74.79							0.00	0.00	
OCT		75.10	3.02	8.02		6.02	0.99	0.68	4.04	3.36	1.57	0.00	0.00	1.79
	304				83.29							0.00	0.00	
NOV		66.90	1.84	7.28		4.87	0.84	0.66	2.73	2.26	0.95	0.00	0.00	1.32
	334				91.51							0.00	0.00	
DEC		58.10	1.86	7.26		4.22	0.69	0.64	1.87	1.55	0.92	0.00	0.00	0.63
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						72.36			47.97	39.80	24.75	0.00	0.00	15.06

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	10.65	15.06
95	11.21	15.85
90	11.83	16.73
85	12.53	17.71
80	13.31	18.82
75	14.20	20.07
70	15.21	21.51
65	16.38	23.16
60	17.75	25.09
55	19.36	27.37
50	21.29	30.11

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT LAKE ALFRED (POLK CTY) AS PER SCS

LATITUDE= 28 DEG 6 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 6/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 49.40 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO. 5 CORN,SWEET

CORN

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		59.50	2.31	7.39		0.00	0.72	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		56.70	3.09	7.07		0.00	0.67	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		68.50	3.52	8.37		5.55	0.87	0.53	2.54	2.42	1.95	0.00	0.00	0.47
	90				24.59							0.00	0.00	
APR		70.10	2.15	8.67		6.08	0.90	0.86	4.68	4.47	1.45	0.00	0.00	3.01
	120				49.18							0.00	0.00	
MAY		76.50	4.62	9.46		7.24	1.01	1.07	7.85	7.49	3.37	0.00	0.00	4.12
	151				74.59							0.00	0.00	
JUN		80.00	6.62	9.39		7.52	1.07	1.04	8.36	7.98	4.72	0.00	0.00	3.26
	181				99.18							0.00	0.00	
JUL		83.20	6.68	9.58		0.26	1.13	1.00	0.29	0.28	0.16	0.00	0.00	0.12
	212				100.00							0.00	0.00	
AUG		83.60	7.12	9.17		0.00	1.13	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.20	6.57	8.32		0.00	1.09	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		75.10	5.02	8.02		0.00	0.99	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		66.90	1.84	7.28		0.00	0.84	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		58.10	1.56	7.26		0.00	0.69	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						26.64			23.71	22.64	11.66	0.00	0.00	10.98

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	1				0.00							0.00	0.00	
JAN		59.60	2.31	7.39		0.00	0.72	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		56.70	3.09	7.07		0.00	0.67	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.50	3.52	3.37		5.55	0.87	0.53	2.54	2.42	1.66	0.00	0.00	0.77
	90				24.59							0.00	0.00	
APR		70.10	2.15	6.67		6.08	0.90	0.86	4.68	4.47	1.23	0.00	0.00	3.23
	120				49.18							0.00	0.00	
MAY		76.50	4.62	9.46		7.24	1.01	1.07	7.85	7.49	2.86	0.00	0.00	4.63
	151				74.59							0.00	0.00	
JUN		80.30	6.62	9.39		7.52	1.07	1.04	8.36	7.98	4.01	0.00	0.00	3.97
	181				99.18							0.00	0.00	
JUL		83.20	6.68	9.58		0.26	1.13	1.00	0.29	0.28	0.13	0.00	0.00	0.14
	212				100.00							0.00	0.00	
AUG		83.60	7.12	9.17		0.00	1.13	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.20	6.57	8.32		0.00	1.09	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		75.10	3.02	8.02		0.00	0.99	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		66.90	1.84	7.28		0.00	0.84	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		58.10	1.86	7.26		0.00	0.69	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						26.64			23.71	22.64	9.90	0.00	0.00	12.75

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	10.98	12.75
95	11.56	13.42
90	12.20	14.16
85	12.92	15.00
80	13.73	15.93
75	14.64	17.00
70	15.69	18.21
65	16.90	19.61
60	18.31	21.24
55	19.97	23.18
50	21.97	25.49

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT LAKE ALFRED (POLK CTY) AS PER SCS

LATITUDE= 28 DEG 6 MIN
PLANTING DATE= 3/15 HARVEST DATE= 6/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.75
ANNUAL RAINFALL= 49.40 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.15 MELONS & CANTALOUPES

MELONS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	FC	UMON	UMONA	RE	SOMP	SOME	XIRM
	1				0.00							0.00	0.00	
JAN		59.60	2.31	7.39		0.00	0.72	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		56.70	3.09	7.07		0.00	0.67	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		62.50	3.52	8.37		2.96	0.87	0.47	1.22	1.22	1.03	0.00	0.00	0.19
	90				17.39							0.00	0.00	
APR		70.10	2.15	8.67		6.08	0.90	0.69	3.75	3.75	1.40	0.00	0.00	2.36
	120				50.00							0.00	0.00	
MAY		76.50	4.62	9.46		7.24	1.01	0.78	5.70	5.70	3.05	0.00	0.00	2.65
	151				83.70							0.00	0.00	
JUN		80.00	6.42	9.39		3.76	1.07	0.70	2.81	2.81	2.07	0.00	0.00	0.74
	181				100.00							0.00	0.00	
JUL		83.20	6.68	9.58		0.00	1.13	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		83.60	7.12	9.17		0.00	1.13	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.20	6.57	8.32		0.00	1.09	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		75.10	3.02	8.02		0.00	0.99	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		66.90	1.84	7.28		0.00	0.84	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.10	1.66	7.26		0.00	0.69	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						20.04			13.49	13.49	7.55	0.00	0.00	5.94

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UNONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		52.60	2.31	7.39		0.00	0.72	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		56.70	3.09	7.87		0.00	0.67	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.50	3.52	8.37		2.96	0.87	0.47	1.22	1.22	0.88	0.00	0.00	0.35
	90				17.39							0.00	0.00	
APR		70.10	2.15	8.67		6.05	0.99	0.69	3.75	3.75	1.18	0.00	0.00	2.57
	120				50.00							0.00	0.00	
MAY		76.50	4.62	9.46		7.24	1.01	0.78	5.70	5.70	2.59	0.00	0.00	3.11
	151				83.70							0.00	0.00	
JUN		85.00	6.62	9.39		3.76	1.07	0.70	2.81	2.81	1.76	0.00	0.00	1.06
	181				100.00							0.00	0.00	
JUL		85.20	6.68	9.58		0.00	1.13	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		85.60	7.12	9.17		0.00	1.13	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.23	6.57	8.32		0.00	1.09	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		75.11	3.02	8.02		0.00	0.99	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		66.90	1.84	7.28		0.00	0.84	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		58.10	1.86	7.26		0.00	0.69	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						20.04			13.49	13.49	6.41	0.00	0.00	7.08

****

GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	5.94	7.03
95	6.25	7.45
90	6.60	7.87
85	6.98	8.33
80	7.42	8.85
75	7.92	9.44
70	8.48	10.11
65	9.13	10.89
60	9.90	11.80
55	10.79	12.87
50	11.87	14.16

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT LAKE ALFRED (POLK CTY) AS PER SCS

LATITUDE= 28 DEG 6 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 49.40 INCHES
PERCENT CHANCE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMR	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		59.80	2.31	7.39		4.28	0.72	0.50	1.53	1.53	1.32	0.00	0.00	0.22
	31				8.49							0.00	0.00	
FEB		56.70	3.09	7.07		4.01	0.67	0.58	1.54	1.54	1.54	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		63.50	3.52	8.37		5.73	0.87	0.73	3.66	3.66	2.15	0.00	0.00	1.51
	90				24.66							0.00	0.00	
APR		70.10	2.15	8.67		6.08	0.90	0.85	4.63	4.63	1.47	0.00	0.00	3.16
	120				32.88							0.00	0.00	
MAY		76.50	4.62	9.46		7.24	1.01	0.90	6.57	6.57	3.20	0.00	0.00	3.36
	151				41.37							0.00	0.00	
JUN		81.00	6.62	9.39		7.52	1.07	0.92	7.39	7.39	4.57	0.00	0.00	2.82
	181				49.59							0.00	0.00	
JUL		83.20	6.68	9.58		7.97	1.13	0.92	8.24	8.24	4.83	0.00	0.00	3.41
	212				58.09							0.00	0.00	
AUG		83.60	7.12	9.17		7.67	1.13	0.90	7.85	7.85	4.99	0.00	0.00	2.86
	243				66.58							0.00	0.00	
SEP		81.20	6.57	8.32		6.76	1.09	0.87	6.38	6.38	4.29	0.00	0.00	2.09
	273				74.79							0.00	0.00	
OCT		75.10	3.02	8.02		6.02	0.99	0.79	4.68	4.68	1.99	0.00	0.00	2.69
	304				83.29							0.00	0.00	
NOV		66.90	1.24	7.29		4.87	0.84	0.67	2.75	2.75	1.15	0.00	0.00	1.60
	334				91.51							0.00	0.00	
DEC		58.10	1.86	7.26		4.22	0.69	0.54	1.58	1.58	1.08	0.00	0.00	0.50
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						72.36			56.79	56.79	32.57	0.00	0.00	24.21

****

NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITL	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
					0.00							0.00	0.00	
JAN		59.50	2.31	7.39		4.26	0.72	0.50	1.53	1.53	1.29	0.00	0.00	0.25
	31				8.49							0.00	0.00	
FEB		56.70	3.09	7.67		4.01	0.67	0.58	1.54	1.54	1.51	0.00	0.00	0.03
	59				16.16							0.00	0.00	
MAR		65.50	3.52	8.37		5.73	0.87	0.73	3.66	3.66	2.11	0.00	0.00	1.55
	[illegible]				24.66							0.00	0.00	
APR		71.10	2.15	8.67		6.08	0.90	0.85	4.63	4.63	1.44	0.00	0.00	3.19
	120				32.93							0.00	0.00	
MAY		76.50	4.62	9.46		7.24	1.01	0.90	6.57	6.57	3.14	0.00	0.00	3.42
	151				41.37							0.00	0.00	
JUN		80.00	6.62	9.39		7.52	1.07	0.92	7.39	7.39	4.48	0.00	0.00	2.91
	181				49.59							0.00	0.00	
JUL		83.20	6.68	9.58		7.97	1.13	0.92	8.24	8.24	4.73	0.00	0.00	3.51
	212				58.08							0.00	0.00	
AUG		83.60	7.12	9.17		7.67	1.13	0.90	7.85	7.85	4.89	0.00	0.00	2.96
	243				66.58							0.00	0.00	
SEP		81.20	6.57	8.32		6.76	1.09	0.87	6.38	6.38	4.20	0.00	0.00	2.17
	273				74.79							0.00	0.00	
OCT		75.10	3.02	8.02		6.02	0.99	0.79	4.68	4.68	1.95	0.00	0.00	2.73
	304				83.29							0.00	0.00	
NOV		66.90	1.84	7.28		4.87	0.84	0.67	2.75	2.75	1.12	0.00	0.00	1.62
	334				91.51							0.00	0.00	
DEC		58.10	1.86	7.26		4.22	0.69	0.54	1.58	1.58	1.06	0.00	0.00	0.52
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						72.36			56.79	56.79	31.92	0.00	0.00	24.87

****

GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	24.21	24.87
95	25.49	26.17
90	26.91	27.63
85	28.49	29.25
80	30.27	31.08
75	32.29	33.15
70	34.59	35.52
65	37.25	38.26
60	40.36	41.44
55	44.03	45.21
50	48.43	49.73

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT LAKE ALFRED (POLK CTY) AS PER SCS

LATITUDE= 28 DEG 6 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 7/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.65 TO 0.70
ANNUAL RAINFALL= 49.40 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.20 SOYBEANS

SOYBEANS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MO	DAYS	TEMP	RT	TITL	GPO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		54.61	2.31	7.39		0.00	0.72	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		56.70	3.09	7.07		0.00	0.67	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.59	3.52	8.37		5.55	0.87	0.26	1.27	1.27	1.27	0.00	0.00	0.00
	90				21.43							0.00	0.00	
APR		70.10	2.15	8.67		6.08	0.90	0.45	2.45	2.45	1.30	0.00	0.00	1.15
	120				42.86							0.00	0.00	
MAY		76.50	4.62	9.46		7.24	1.01	0.80	5.85	5.85	3.08	0.00	0.00	2.77
	151				65.00							0.00	0.00	
JUN		80.30	6.62	9.39		7.52	1.07	0.95	7.67	7.67	4.64	0.00	0.00	3.03
	181				86.43							0.00	0.00	
JUL		83.20	6.69	9.58		3.96	1.13	0.74	3.23	3.23	2.14	0.00	0.00	1.09
	212				97.14							0.00	0.00	
AUG		83.40	7.12	9.17		0.00	1.13	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	243				97.14							0.00	0.00	
SEP		81.20	6.57	8.32		0.00	1.09	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	273				97.14							0.00	0.00	
OCT		75.10	3.02	9.02		0.00	0.99	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	304				97.14							0.00	0.00	
NOV		66.90	1.84	7.28		0.00	0.84	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	334				97.14							0.00	0.00	
DEC		58.10	1.86	7.26		0.00	0.69	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	365				97.14							0.00	0.00	
SEASONAL TOTALS						39.24			20.46	20.46	12.42	0.00	0.00	8.04

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		59.00	2.31	7.39		0.00	0.72	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		56.70	3.09	7.07		0.00	0.67	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.50	3.52	8.37		5.55	0.87	0.26	1.27	1.27	1.07	0.00	0.00	0.19
	90				21.43							0.00	0.00	
APR		70.10	2.15	8.67		6.08	0.90	0.45	2.45	2.45	1.10	0.00	0.00	1.35
	120				42.86							0.00	0.00	
MAY		76.50	4.62	9.46		7.24	1.01	0.80	5.85	5.85	2.61	0.00	0.00	3.24
	151				65.00							0.00	0.00	
JUN		80.00	6.62	9.39		7.52	1.07	0.95	7.67	7.67	3.94	0.00	0.00	3.73
	181				86.43							0.00	0.00	
JUL		83.20	6.68	9.58		3.86	1.13	0.74	3.23	3.23	1.82	0.00	0.00	1.41
	212				97.14							0.00	0.00	
AUG		83.60	7.12	9.17		0.00	1.13	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	243				97.14							0.00	0.00	
SEP		81.20	6.57	8.32		0.00	1.09	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	273				97.14							0.00	0.00	
OCT		75.10	3.02	8.02		0.00	0.99	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	304				97.14							0.00	0.00	
NOV		66.90	1.84	7.28		0.00	0.84	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	334				97.14							0.00	0.00	
DEC		58.10	1.66	7.26		0.00	0.69	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	365				97.14							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						50.24			20.46	20.46	10.55	0.00	0.00	9.91

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	8.04	9.91
95	8.46	10.44
90	8.93	11.02
85	9.45	11.66
80	10.05	12.39
75	10.71	13.22
70	11.48	14.16
65	12.36	15.25
60	13.39	16.52
55	14.61	18.03
50	16.07	19.83

Putnam Co.

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT PALATKA (PUTNAM CTY) AS PER SCS

LATITUDE= 29 DEG 39 MIN
PLANTING DATE= 8/31 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 50.15 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	1				0.00							0.00	0.00	
JUL		83.90	6.42	9.65		0.00	1.14	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
AUG		85.20	6.95	9.65		0.00	1.16	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	62				0.00							0.00	0.00	
SEP		81.10	6.65	9.65		0.00	1.09	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	92				0.00							0.00	0.00	
OCT		71.60	3.76	9.65		0.00	0.92	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	123				0.00							0.00	0.00	
NOV		64.50	1.85	9.65		0.00	0.80	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	153				0.00							0.00	0.00	
DEC		56.10	2.53	9.65		0.00	0.66	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	184				0.00							0.00	0.00	
JAN		57.00	3.03	9.65		0.00	0.67	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	215				0.00							0.00	0.00	
FEB		55.70	3.57	9.29		0.00	0.62	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	243				0.00							0.00	0.00	
MAR		64.70	3.19	8.33		5.02	0.84	0.43	1.83	1.83	1.50	0.00	0.00	0.33
	274				23.33							0.00	0.00	
APR		68.30	2.58	7.99		5.44	0.86	0.73	3.44	3.44	1.49	0.00	0.00	1.95
	304				48.33							0.00	0.00	
MAY		74.20	3.68	7.21		5.35	0.97	0.81	4.19	4.19	2.13	0.00	0.00	2.06
	335				74.17							0.00	0.00	
JUN		80.10	5.93	7.19		5.75	1.07	0.61	3.74	3.74	3.14	0.00	0.00	0.61
	365				99.17							0.00	0.00	
SEASONAL TOTALS						21.56			13.21	13.21	8.26	0.00	0.00	4.95

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	KT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
					0.00							0.00	0.00	
JUL		83.50	5.42	9.65		0.00	1.14	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
AUG		85.20	6.95	9.65		0.00	1.16	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	62				0.00							0.00	0.00	
SEP		81.10	6.65	9.65		0.00	1.09	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	92				0.00							0.00	0.00	
OCT		71.60	3.76	9.65		0.00	0.92	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	123				0.00							0.00	0.00	
NOV		64.50	1.85	9.65		0.00	0.80	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	153				0.00							0.00	0.00	
DEC		56.10	2.53	9.65		0.00	0.66	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	184				0.00							0.00	0.00	
JAN		57.00	3.03	9.65		0.00	0.67	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	215				0.00							0.00	0.00	
FEB		53.20	3.57	9.20		0.00	0.62	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	243				0.00							0.00	0.00	
MAR		66.70	3.18	9.33		5.02	0.84	0.43	1.83	1.83	1.28	0.00	0.00	0.56
	274				23.33							0.00	0.00	
APR		68.30	2.52	7.99		5.44	0.86	0.73	3.44	3.44	1.27	0.00	0.00	2.17
	304				48.33							0.00	0.00	
MAY		74.20	3.68	7.21		5.35	0.97	0.81	4.19	4.19	1.81	0.00	0.00	2.38
	335				74.17							0.00	0.00	
JUN		80.10	5.93	7.13		5.75	1.07	0.61	3.74	3.74	2.67	0.00	0.00	1.08
	365				99.17							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						21.56			13.21	13.21	7.03	0.00	0.00	6.19

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	4.95	6.19
95	5.21	6.51
90	5.50	6.88
85	5.83	7.28
80	6.19	7.74
75	6.60	8.25
70	7.07	8.84
65	7.62	9.52
60	8.25	10.31
55	9.00	11.25
50	9.90	12.38

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT PALATKA (PUTNAM CTY) AS PER SCS

LATITUDE= 29 DEG 39 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.45 TO 0.55
ANNUAL RAINFALL= 50.15 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.10 CITRUS

CITRUS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMH	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	3.03	7.32		4.04	0.67	0.64	1.73	1.46	1.46	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		53.70	3.57	7.03		3.78	0.62	0.65	1.52	1.28	1.28	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		60.70	5.18	3.37		5.53	0.84	0.67	3.16	2.66	1.86	0.00	0.00	0.80
	90				24.66							0.00	0.00	
APR		65.00	2.53	8.70		5.92	0.86	0.70	3.56	3.00	1.58	0.00	0.00	1.42
	120				32.88							0.00	0.00	
MAY		74.20	3.68	9.53		7.07	0.97	0.70	4.80	4.05	2.28	0.00	0.00	1.76
	151				41.37							0.00	0.00	
JUN		80.10	5.93	9.47		7.59	1.07	0.71	5.76	4.86	3.61	0.00	0.00	1.25
	181				49.59							0.00	0.00	
JUL		83.[illegible]	6.42	9.65		8.09	1.14	0.71	6.52	5.50	4.00	0.00	0.00	1.49
	212				58.08							0.00	0.00	
AUG		85.20	6.95	9.20		7.84	1.16	0.71	6.41	5.41	4.26	0.00	0.00	1.14
	243				66.56							0.00	0.00	
SEP		81.10	6.65	8.33		6.76	1.09	0.70	5.13	4.32	3.86	0.00	0.00	0.46
	273				74.79							0.00	0.00	
OCT		71.60	3.76	7.99		5.72	0.92	0.68	3.61	3.04	2.20	0.00	0.00	0.94
	304				83.29							0.00	0.00	
NOV		64.50	1.85	7.21		4.65	0.80	0.66	2.48	2.09	1.11	0.00	0.00	0.98
	334				91.51							0.00	0.00	
DEC		56.10	2.53	7.18		4.93	0.66	0.64	1.69	1.43	1.42	0.00	0.00	0.01
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						71.06			46.37	39.08	28.93	0.00	0.00	10.15

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.30	3.03	7.32		4.04	0.67	0.64	1.73	1.46	1.24	0.00	0.00	0.22
	31				8.49							0.00	0.00	
FEB		55.73	3.57	7.03		3.78	0.62	0.65	1.52	1.28	1.09	0.00	0.00	0.19
	59				16.16							0.00	0.00	
MAR		60.23	3.18	8.37		5.58	0.84	0.67	3.16	2.66	1.58	0.00	0.00	1.08
	90				24.66							0.00	0.00	
APR		65.90	2.58	8.78		5.92	0.86	0.70	3.56	3.00	1.34	0.00	0.00	1.66
	120				32.98							0.00	0.00	
MAY		74.20	3.68	9.53		7.07	0.97	0.70	4.80	4.05	1.94	0.00	0.00	2.10
	151				41.37							0.00	0.00	
JUN		82.10	5.93	9.47		7.59	1.07	0.71	5.76	4.86	3.07	0.00	0.00	1.79
	181				49.59							0.00	0.00	
JUL		85.20	6.42	9.65		8.09	1.14	0.71	6.52	5.50	3.41	0.00	0.00	2.09
	212				58.08							0.00	0.00	
AUG		85.20	6.95	9.20		7.84	1.16	0.71	6.41	5.41	3.63	0.00	0.00	1.78
	243				66.58							0.00	0.00	
SEP		81.10	6.65	8.33		6.76	1.09	0.70	5.13	4.32	3.29	0.00	0.00	1.04
	273				74.79							0.00	0.00	
OCT		71.60	3.76	7.99		5.72	0.92	0.68	3.61	3.04	1.87	0.00	0.00	1.17
	304				83.29							0.00	0.00	
NOV		64.50	1.85	7.21		4.65	0.80	0.66	2.48	2.09	0.94	0.00	0.00	1.15
	334				91.51							0.00	0.00	
DEC		56.10	2.53	7.18		4.03	0.66	0.64	1.69	1.43	1.21	0.00	0.00	0.22
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						71.06			46.37	39.08	24.60	0.00	0.00	14.48

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	10.15	14.48
95	10.69	15.25
90	11.28	16.09
85	11.94	17.04
80	12.69	18.10
75	13.54	19.31
70	14.50	20.69
65	15.62	22.28
60	16.92	24.14
55	18.46	26.33
50	20.30	28.97

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT PALATKA (PUTNAM CTY) AS PER SCS

LATITUDE= 29 DEG 39 MIN
PLANTING DATE= 3/15 HARVEST DATE= 6/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 50.15 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO. 5 CORN,SWEET

CORN

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	3.03	7.32		0.00	0.67	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		53.70	3.57	7.03		0.00	0.62	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.20	3.18	7.37		2.88	0.84	0.49	1.20	1.19	0.94	0.00	0.00	0.25
	90				17.39							0.00	0.00	
APR		68.30	2.58	8.70		5.92	0.86	0.81	4.11	4.09	1.67	0.00	0.00	2.41
	120				50.00							0.00	0.00	
MAY		74.20	3.68	9.53		7.07	0.97	1.07	7.34	7.29	2.74	0.00	0.00	4.55
	151				83.70							0.00	0.00	
JUN		80.10	5.93	9.47		3.79	1.07	1.03	4.17	4.15	2.19	0.00	0.00	1.96
	181				100.00							0.00	0.00	
JUL		83.80	6.42	9.65		0.00	1.14	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		85.20	6.95	9.20		0.00	1.16	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.10	6.65	8.35		0.00	1.09	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		71.60	3.76	7.99		0.00	0.92	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		64.50	1.05	7.21		0.00	0.80	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		55.10	2.53	7.19		0.00	0.66	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						19.66			16.82	16.71	7.54	0.00	0.00	9.17

NET IRRIGATION REQUIREMENTS,DRY YEARS

PER	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMOM	UMONA	RE	SOMB	SOME	XIRM
	8				0.00							0.00	0.00	
JAN		57.00	3.03	7.32		0.00	0.67	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.70	3.57	7.03		0.00	0.62	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.70	3.18	8.37		2.88	0.84	0.49	1.20	1.19	0.80	0.00	0.00	0.39
	90				17.39							0.00	0.00	
APR		69.00	2.59	8.70		5.92	0.86	0.81	4.11	4.09	1.42	0.00	0.00	2.66
	120				50.00							0.00	0.00	
MAY		74.20	3.68	9.53		7.07	0.97	1.07	7.34	7.29	2.33	0.00	0.00	4.96
	151				83.70							0.00	0.00	
JUN		80.10	5.93	9.47		3.79	1.07	1.03	4.17	4.15	1.86	0.00	0.00	2.29
	181				100.00							0.00	0.00	
JUL		83.81	6.42	9.65		0.00	1.14	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		83.23	6.95	9.20		0.00	1.16	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.10	6.65	8.33		0.00	1.09	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		71.60	3.76	7.99		0.00	0.92	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		64.50	1.85	7.21		0.00	0.80	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		59.10	2.53	7.18		0.00	0.66	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						19.66			16.82	16.71	6.41	0.00	0.00	10.30

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	9.17	10.30
95	9.65	10.84
90	10.19	11.44
85	10.79	12.12
80	11.46	12.87
75	12.23	13.73
70	13.10	14.71
65	14.11	15.85
60	15.28	17.17
55	16.67	18.73
50	18.34	20.60

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT PALATKA (PUTNAM CTY) AS PER SCS

LATITUDE= 29 DEG 39 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 7/ 1
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 50.15 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO. 5 CORN,SWEET

CORN

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
					0.00							0.00	0.00	
JAN		57.30	3.03	7.32		0.00	0.67	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		53.70	3.57	7.03		0.00	0.62	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.70	3.18	8.37		5.40	0.84	0.53	2.38	2.33	1.78	0.00	0.00	0.55
	90				24.59							0.00	0.00	
APR		68.30	2.58	8.70		5.92	0.86	0.86	4.37	4.26	1.69	0.00	0.00	2.57
	120				49.16							0.00	0.00	
MAY		74.20	3.68	9.53		7.07	0.97	1.07	7.36	7.18	2.72	0.00	0.00	4.46
	151				74.59							0.00	0.00	
JUN		80.10	5.93	9.47		7.59	1.07	1.04	8.45	8.25	4.36	0.00	0.00	3.88
	181				99.18							0.00	0.00	
JUL		83.30	6.42	9.65		0.26	1.14	1.00	0.30	0.29	0.16	0.00	0.00	0.13
	212				100.00							0.00	0.00	
AUG		85.20	5.95	9.26		0.00	1.16	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.10	6.65	8.33		0.00	1.09	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		71.60	3.76	7.99		0.00	0.92	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		64.50	1.85	7.21		0.00	0.80	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		56.10	2.53	7.18		0.00	0.66	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						26.24			22.86	22.30	10.71	0.00	0.00	11.59

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
					0.00							0.00	0.00	
JAN		57.00	3.03	7.52		0.00	0.67	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		53.70	3.57	7.03		0.00	0.62	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.71	3.18	8.37		5.40	0.84	0.53	2.38	2.33	1.51	0.00	0.00	0.82
	90				24.59							0.00	0.00	
APR		63.60	2.58	8.70		5.92	0.86	0.86	4.37	4.26	1.44	0.00	0.00	2.82
	120				49.18							0.00	0.00	
MAY		74.20	3.68	9.53		7.07	0.97	1.07	7.36	7.18	2.31	0.00	0.00	4.36
	151				74.59							0.00	0.00	
JUN		80.10	5.93	9.47		7.59	1.07	1.04	8.45	8.25	3.71	0.00	0.00	4.54
	181				99.18							0.00	0.00	
JUL		83.80	6.42	9.65		0.26	1.14	1.00	0.30	0.29	0.13	0.00	0.00	0.16
	212				100.00							0.00	0.00	
AUG		85.20	6.95	9.26		0.00	1.16	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.10	6.65	8.33		0.00	1.09	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		71.50	3.76	7.99		0.00	0.92	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		64.50	1.85	7.21		0.00	0.80	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		55.10	2.53	7.18		0.00	0.66	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						26.24			22.86	22.30	9.10	0.00	0.00	13.20

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	11.59	13.20
95	12.20	13.89
90	12.88	14.66
85	13.64	15.53
80	14.49	16.50
75	15.46	17.60
70	16.56	18.85
65	17.84	20.30
60	19.32	21.99
55	21.08	23.99
50	23.19	26.39

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT PALATKA (PUTNAM CTY) AS PER SCS

LATITUDE= 29 DEG 39 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 50.15 INCHES
PERCENT CHANCE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MO	DAYS	TEMP	KT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	3.03	7.32		4.04	0.67	0.50	1.35	1.35	1.35	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		58.70	3.57	7.03		3.78	0.62	0.58	1.34	1.34	1.34	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		66.75	3.18	8.37		5.58	0.74	0.73	3.43	3.43	1.94	0.00	0.00	1.49
	90				24.66							0.00	0.00	
APR		69.00	2.58	8.70		5.92	0.86	0.85	4.32	4.32	1.70	0.00	0.00	2.63
	120				32.88							0.00	0.00	
MAY		74.20	3.68	9.53		7.07	0.97	0.90	6.16	6.16	2.57	0.00	0.00	3.59
	151				41.37							0.00	0.00	
JUN		80.10	5.95	9.47		7.59	1.07	0.92	7.47	7.47	4.18	0.00	0.00	3.29
	181				49.59							0.00	0.00	
JUL		83.30	6.42	9.65		8.09	1.14	0.92	8.44	8.44	4.72	0.00	0.00	3.72
	212				58.08							0.00	0.00	
AUG		85.00	6.95	9.20		7.84	1.16	0.90	8.23	8.23	4.99	0.00	0.00	3.23
	243				66.58							0.00	0.00	
SEP		81.10	6.05	8.33		6.76	1.09	0.87	6.36	6.36	4.33	0.00	0.00	2.03
	273				74.79							0.00	0.00	
OCT		71.60	3.76	7.99		5.22	0.92	0.79	4.17	4.17	2.34	0.00	0.00	1.83
	304				83.29							0.00	0.00	
NOV		64.50	1.85	7.21		4.65	0.80	0.67	2.50	2.50	1.14	0.00	0.00	1.36
	334				91.51							0.00	0.00	
DEC		55.10	2.53	7.18		4.83	0.66	0.54	1.43	1.43	1.42	0.00	0.00	0.01
	365				100.00							0.00	0.00	
SEASONAL TOTALS						71.06			55.20	55.20	32.02	0.00	0.00	23.19

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	KT	LITE	GPO	F	FT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	3.03	7.32		4.04	0.67	0.50	1.35	1.35	1.32	0.00	0.00	0.03
	31				8.49							0.00	0.00	
FEB		55.20	3.57	7.03		3.78	0.62	0.58	1.34	1.34	1.31	0.00	0.00	0.03
	59				16.16							0.00	0.00	
MAR		66.70	3.18	8.37		5.58	0.84	0.73	3.43	3.43	1.90	0.00	0.00	1.53
	90				24.66							0.00	0.00	
APR		69.00	2.50	9.70		5.92	0.86	0.85	4.32	4.32	1.66	0.00	0.00	2.66
	121				32.32							0.00	0.00	
MAY		74.20	3.62	9.53		7.07	0.97	0.90	6.16	6.16	2.52	0.00	0.00	3.64
	151				41.37							0.00	0.00	
JUN		80.10	5.93	9.47		7.59	1.07	0.92	7.47	7.47	4.10	0.00	0.00	3.37
	181				49.59							0.00	0.00	
JUL		83.50	6.42	9.65		8.09	1.14	0.92	8.44	8.44	4.63	0.00	0.00	3.81
	212				58.08							0.00	0.00	
AUG		85.20	6.95	9.20		7.84	1.16	0.90	8.23	8.23	4.89	0.00	0.00	3.33
	243				66.58							0.00	0.00	
SEP		81.10	6.65	8.33		6.76	1.09	0.87	6.36	6.36	4.25	0.00	0.00	2.12
	273				74.79							0.00	0.00	
OCT		71.60	3.76	7.99		5.72	0.92	0.79	4.17	4.17	2.30	0.00	0.00	1.87
	304				83.29							0.00	0.00	
NOV		64.50	1.85	7.21		4.65	0.80	0.67	2.50	2.50	1.11	0.00	0.00	1.38
	334				91.51							0.00	0.00	
DEC		56.10	2.53	7.18		4.03	0.66	0.54	1.43	1.43	1.39	0.00	0.00	0.04
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						71.06			55.20	55.20	31.39	0.00	0.00	23.82

****

GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	23.19	23.82
95	24.41	25.07
90	25.76	26.46
85	27.28	28.02
80	28.98	29.77
75	30.91	31.75
70	33.12	34.02
65	35.67	36.64
60	38.64	39.69
55	42.16	43.30
50	46.37	47.63

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT PALATKA (PUTNAM CTY) AS PER SCS

LATITUDE= 29 DEG 39 MIN
PLANTING DATE= 2/ 1, HARVEST DATE= 4/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(F)= 0.65 TO 0.75
ANNUAL RAINFALL= 50.15 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.18 POTATOES,IRISH

POTATOES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MO	DAYS	TEMP	RT	LTTE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	1				0.00							0.00	0.00	
JAN		57.00	3.03	7.32		0.00	0.67	0.33	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		53.70	3.57	7.03		3.64	0.62	0.48	1.07	0.93	0.93	0.00	0.00	0.00
	59				30.34							0.00	0.00	
MAR		66.70	3.18	8.37		5.58	0.84	1.11	5.20	4.50	2.06	0.00	0.00	2.44
	90				65.17							0.00	0.00	
APR		68.50	2.58	8.70		5.92	0.86	1.33	6.77	5.86	1.85	0.00	0.00	4.01
	120				98.83							0.00	0.00	
MAY		74.20	3.68	9.53		0.23	0.97	1.22	0.27	0.23	0.09	0.00	0.00	0.15
	151				100.00							0.00	0.00	
JUN		80.10	5.93	9.47		0.00	1.07	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	181				100.00							0.00	0.00	
JUL		83.20	6.42	9.65		0.00	1.14	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		85.20	6.95	9.26		0.00	1.16	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.10	6.65	8.33		0.00	1.09	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		71.00	3.76	7.99		0.00	0.92	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		64.50	1.35	7.21		0.00	0.39	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		56.10	2.53	7.18		0.00	0.66	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						15.37			13.32	11.53	4.93	0.00	0.00	6.60

****

NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	7				0.00							0.00	0.00	
JAN		52.00	3.13	7.32		0.00	0.67	0.33	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		53.70	3.57	7.03		3.64	0.62	0.48	1.07	0.93	0.79	0.00	0.00	0.14
	59				30.34							0.00	0.00	
MAR		66.70	3.18	8.37		5.53	0.84	1.11	5.20	4.50	1.75	0.00	0.00	2.75
	90				65.17							0.00	0.00	
APR		[illegible]	2.58	9.70		5.92	0.96	1.33	6.77	5.86	1.57	0.00	0.00	4.29
	120				98.86							0.00	0.00	
MAY		74.20	3.68	9.53		0.23	0.97	1.22	0.27	0.23	0.08	0.00	0.00	0.16
	151				100.00							0.00	0.00	
JUN		80.10	5.93	9.47		0.00	1.07	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	181				100.00							0.00	0.00	
JUL		83.30	6.42	9.65		0.00	1.14	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		85.20	6.95	9.20		0.00	1.16	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.10	6.65	8.33		0.00	1.09	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		71.50	3.76	7.99		0.00	0.92	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		64.50	1.85	7.21		0.00	0.80	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		56.10	2.53	7.18		0.00	0.66	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						15.37			13.32	11.53	4.19	0.00	0.00	7.34

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	6.60	7.34
95	6.95	7.72
90	7.33	8.15
85	7.76	8.63
80	8.25	9.17
75	8.80	9.78
70	9.43	10.48
65	10.15	11.29
60	11.00	12.23
55	12.00	13.34
50	13.20	14.67

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT PALATKA (PUTNAM CTY) AS FLP SCS

LATITUDE= 29 DEG 39 MIN
PLANTING DATE= 2/15 HARVEST DATE= 9/ 1
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 50.15 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

HCS	DAYS	TESP	RT	LITE	GRO	F	KT	EC	UMOM	UMOMA	RE	SOMB	SOME	XIRM
					0.00							0.00	0.00	
JAN		57.00	3.03	7.32		0.00	0.67	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		53.70	3.57	7.03		1.75	0.62	0.32	0.34	0.34	0.34	0.00	0.00	0.00
	59				6.57							0.00	0.00	
MAR		60.70	3.13	8.37		5.58	0.84	0.47	2.20	2.20	1.68	0.00	0.00	0.52
	90				22.22							0.00	0.00	
APR		68.00	2.58	8.70		5.92	0.86	0.69	3.50	3.50	1.50	0.00	0.00	2.00
	120				37.37							0.00	0.00	
MAY		74.20	3.68	9.53		7.07	0.97	0.79	5.44	5.44	2.28	0.00	0.00	3.16
	151				53.03							0.00	0.00	
JUN		80.10	5.93	9.47		7.59	1.07	0.82	6.65	6.65	3.69	0.00	0.00	2.96
	181				68.19							0.00	0.00	
JUL		83.30	6.42	9.65		8.09	1.14	0.75	6.85	6.85	3.99	0.00	0.00	2.86
	212				83.24							0.00	0.00	
AUG		85.20	6.95	9.26		7.84	1.16	0.53	4.86	4.86	3.82	0.00	0.00	1.04
	243				99.49							0.00	0.00	
SEP		81.10	6.05	8.33		0.23	1.09	0.38	0.09	0.09	0.09	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		71.60	3.76	7.99		0.00	0.92	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		64.50	1.25	7.21		0.00	0.80	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		56.10	2.55	7.18		0.00	0.66	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						44.06			29.93	29.93	17.40	0.00	0.00	12.53

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
					0.00							0.00	0.00	
JAN		57.10	5.03	7.32		0.00	0.67	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		53.70	3.57	7.03		1.75	0.62	0.32	0.34	0.34	0.29	0.00	0.00	0.05
	59				6.57							0.00	0.00	
MAR		56.70	3.19	9.37		5.58	0.84	0.47	2.20	2.20	1.43	0.00	0.00	0.77
	90				22.22							0.00	0.00	
APR		67.00	2.56	9.70		5.92	0.86	0.69	3.50	3.50	1.27	0.00	0.00	2.22
	120				37.37							0.00	0.00	
MAY		74.20	3.68	9.53		7.07	0.97	0.79	5.44	5.44	1.94	0.00	0.00	3.50
	151				53.03							0.00	0.00	
JUN		80.10	5.93	9.47		7.59	1.07	0.82	6.65	6.65	3.14	0.00	0.00	3.51
	181				68.18							0.00	0.00	
JUL		83.30	6.42	9.65		8.09	1.14	0.75	6.85	6.85	3.40	0.00	0.00	3.46
	212				83.84							0.00	0.00	
AUG		85.20	6.95	9.29		7.84	1.16	0.53	4.86	4.86	3.25	0.00	0.00	1.61
	243				99.49							0.00	0.00	
SEP		81.10	6.65	8.33		0.23	1.09	0.38	0.09	0.09	0.08	0.00	0.00	0.01
	273				100.00							0.00	0.00	
OCT		71.80	3.76	7.99		0.00	0.92	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		64.50	1.85	7.21		0.00	0.80	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		56.10	2.55	7.18		0.00	0.66	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						44.06			29.93	29.93	14.80	0.00	0.00	15.14

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	12.53	15.14
95	13.19	15.93
90	13.92	16.82
85	14.74	17.81
80	15.66	18.92
75	16.71	20.18
70	17.90	21.62
65	19.28	23.29
60	20.88	25.23
55	22.78	27.52
50	25.06	30.27

Seminole Co.

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT SANFORD (SEMINOLE CTY) AS PER SCS

LATITUDE= 28 DEG 48 MIN
PLANTING DATE= 8/15 HARVEST DATE= 10/31
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 45.03 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JUL		83.10	7.01	9.61		0.00	1.12	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
AUG		83.20	5.59	9.61		0.00	1.13	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	62				0.00							0.00	0.00	
SEP		81.00	6.79	9.61		0.00	1.09	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	92				0.00							0.00	0.00	
OCT		74.40	4.98	9.61		0.00	0.97	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	123				0.00							0.00	0.00	
NOV		65.60	2.17	9.61		0.00	0.82	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	153				0.00							0.00	0.00	
DEC		57.90	1.73	9.61		0.00	0.69	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	184				0.00							0.00	0.00	
JAN		57.70	1.65	9.61		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	215				0.00							0.00	0.00	
FEB		55.50	2.51	9.19		2.37	0.65	0.39	0.59	0.65	0.60	0.00	0.00	0.05
	243				17.33							0.00	0.00	
MAR		67.30	2.77	8.33		5.60	0.85	0.73	3.49	3.83	1.63	0.00	0.00	2.21
	274				58.67							0.00	0.00	
APR		69.10	3.78	8.00		5.53	0.88	0.68	3.33	3.65	2.12	0.00	0.00	1.54
	304				98.67							0.00	0.00	
MAY		75.40	3.03	7.25		0.18	0.99	0.38	0.07	0.07	0.05	0.00	0.00	0.02
	335				100.00							0.00	0.00	
JUN		78.90	3.01	7.23		0.00	1.05	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						13.68			7.48	8.21	4.40	0.00	0.00	3.81

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JUL		83.10	7.01	9.61		0.00	1.12	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
AUG		83.20	5.59	9.61		0.00	1.13	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	62				0.00							0.00	0.00	
SEP		81.00	6.79	9.61		0.00	1.09	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	92				0.00							0.00	0.00	
OCT		74.40	4.98	9.61		0.00	0.97	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	123				0.00							0.00	0.00	
NOV		65.60	2.17	9.61		0.00	0.82	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	153				0.00							0.00	0.00	
DEC		57.90	1.73	9.61		0.00	0.69	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	184				0.00							0.00	0.00	
JAN		57.70	1.65	9.61		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	215				0.00							0.00	0.00	
FEB		55.50	2.51	9.19		2.37	0.65	0.39	0.59	0.65	0.51	0.00	0.00	0.14
	243				17.33							0.00	0.00	
MAR		67.30	2.77	8.33		5.60	0.85	0.73	3.49	3.83	1.37	0.00	0.00	2.47
	274				58.67							0.00	0.00	
APR		69.10	3.78	8.00		5.53	0.88	0.68	3.33	3.65	1.78	0.00	0.00	1.88
	304				98.67							0.00	0.00	
MAY		75.40	3.03	7.25		0.18	0.99	0.38	0.07	0.07	0.04	0.00	0.00	0.03
	335				100.00							0.00	0.00	
JUN		78.90	3.01	7.23		0.00	1.05	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						13.68			7.48	8.21	3.69	0.00	0.00	4.51

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	3.81	4.51
95	4.01	4.75
90	4.23	5.01
85	4.48	5.31
80	4.76	5.64
75	5.08	6.02
70	5.44	6.45
65	5.86	6.94
60	6.35	7.52
55	6.93	8.20
50	7.62	9.03

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT SANFORD (SEMINOLE CTY) AS PER SCS

LATITUDE= 28 DEG 48 MIN
PLANTING DATE= 5/ 1 HARVEST DATE= 8/31
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 45.03 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

CABBAGE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.50	2.51	7.05		0.00	0.65	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		67.30	2.77	8.37		0.00	0.85	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	90				0.00							0.00	0.00	
APR		69.10	3.78	8.69		0.00	0.88	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	120				0.00							0.00	0.00	
MAY		75.40	3.03	9.49		6.93	0.99	0.44	3.05	3.01	1.64	0.00	0.00	1.38
	151				24.59							0.00	0.00	
JUN		78.90	3.01	9.43		7.44	1.05	0.74	5.81	5.74	1.95	0.00	0.00	3.80
	181				49.18							0.00	0.00	
JUL		83.10	7.01	9.61		7.99	1.12	0.81	7.24	7.16	4.38	0.00	0.00	2.78
	212				74.59							0.00	0.00	
AUG		83.20	5.59	9.19		7.64	1.13	0.60	5.13	5.08	3.21	0.00	0.00	1.86
	243				100.00							0.00	0.00	
SEP		81.00	6.79	8.33		0.00	1.09	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.40	4.98	8.00		0.00	0.97	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.60	2.17	7.25		0.00	0.82	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.90	1.73	7.23		0.00	0.69	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						30.00			21.24	21.00	11.18	0.00	0.00	9.82

****

NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRH
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.50	2.51	7.05		0.00	0.65	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		67.30	2.77	8.37		0.00	0.85	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	90				0.00							0.00	0.00	
APR		69.10	3.78	8.69		0.00	0.88	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	120				0.00							0.00	0.00	
MAY		75.40	3.03	9.49		6.93	0.99	0.44	3.05	3.01	1.38	0.00	0.00	1.64
	151				24.59							0.00	0.00	
JUN		78.90	3.01	9.43		7.44	1.05	0.74	5.81	5.74	1.64	0.00	0.00	4.11
	181				49.18							0.00	0.00	
JUL		83.10	7.01	9.61		7.99	1.12	0.81	7.24	7.16	3.68	0.00	0.00	3.48
	212				74.59							0.00	0.00	
AUG		83.20	5.59	9.19		7.64	1.13	0.60	5.13	5.08	2.70	0.00	0.00	2.38
	243				100.00							0.00	0.00	
SEP		81.00	6.79	8.33		0.00	1.09	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.40	4.98	8.00		0.00	0.97	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.60	2.17	7.25		0.00	0.82	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.90	1.73	7.23		0.00	0.69	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						30.00			21.24	21.00	9.39	0.00	0.00	11.61

****

GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	9.82	11.61
95	10.34	12.22
90	10.91	12.90
85	11.55	13.66
80	12.27	14.51
75	13.09	15.48
70	14.03	16.58
65	15.11	17.86
60	16.37	19.35
55	17.85	21.10
50	19.64	23.21

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT SANFORD (SEMINOLE CTY) AS PER SCS

LATITUDE= 28 DEG 48 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.45 TO 0.55
ANNUAL RAINFALL= 45.03 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.10 CITRUS

CITRUS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		4.11	0.68	0.64	1.79	1.50	0.97	0.00	0.00	0.54
	31				8.49							0.00	0.00	
FEB		55.50	2.51	7.05		3.91	0.65	0.65	1.66	1.39	1.39	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		67.30	2.77	8.37		5.63	0.85	0.67	3.23	2.71	1.65	0.00	0.00	1.06
	90				24.66							0.00	0.00	
APR		69.10	3.78	8.69		6.00	0.88	0.70	3.69	3.10	2.22	0.00	0.00	0.88
	120				32.88							0.00	0.00	
MAY		75.40	3.03	9.49		7.16	0.99	0.70	4.96	4.17	1.94	0.00	0.00	2.23
	151				41.37							0.00	0.00	
JUN		78.90	3.01	9.43		7.44	1.05	0.71	5.54	4.66	1.98	0.00	0.00	2.68
	181				49.59							0.00	0.00	
JUL		83.10	7.01	9.61		7.99	1.12	0.71	6.37	5.36	4.28	0.00	0.00	1.07
	212				58.08							0.00	0.00	
AUG		83.20	5.59	9.19		7.64	1.13	0.71	6.06	5.10	3.48	0.00	0.00	1.62
	243				66.58							0.00	0.00	
SEP		81.00	6.79	8.33		6.75	1.09	0.70	5.11	4.30	3.93	0.00	0.00	0.37
	273				74.79							0.00	0.00	
OCT		74.40	4.98	8.00		5.95	0.97	0.68	3.95	3.32	2.85	0.00	0.00	0.47
	304				83.29							0.00	0.00	
NOV		65.60	2.17	7.25		4.75	0.82	0.66	2.59	2.18	1.29	0.00	0.00	0.89
	334				91.51							0.00	0.00	
DEC		57.90	1.73	7.23		4.19	0.69	0.64	1.84	1.55	1.01	0.00	0.00	0.54
	365				100.00							0.00	0.00	
SEASONAL TOTALS						71.53			46.80	39.34	27.00	0.00	0.00	12.34

****

NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		4.11	0.68	0.64	1.79	1.50	0.81	0.00	0.00	0.69
	31				8.49							0.00	0.00	
FEB		55.50	2.51	7.05		3.91	0.65	0.65	1.66	1.39	1.17	0.00	0.00	0.22
	59				16.16							0.00	0.00	
MAR		67.30	2.77	8.37		5.63	0.85	0.67	3.23	2.71	1.39	0.00	0.00	1.33
	90				24.66							0.00	0.00	
APR		69.10	3.78	8.69		6.00	0.88	0.70	3.69	3.10	1.86	0.00	0.00	1.24
	120				32.88							0.00	0.00	
MAY		75.40	3.03	9.49		7.16	0.99	0.70	4.96	4.17	1.63	0.00	0.00	2.54
	151				41.37							0.00	0.00	
JUN		78.90	3.01	9.43		7.44	1.05	0.71	5.54	4.66	1.67	0.00	0.00	2.99
	181				49.59							0.00	0.00	
JUL		83.10	7.01	9.61		7.99	1.12	0.71	6.37	5.36	3.60	0.00	0.00	1.76
	212				58.08							0.00	0.00	
AUG		83.20	5.59	9.19		7.64	1.13	0.71	6.06	5.10	2.92	0.00	0.00	2.18
	243				66.58							0.00	0.00	
SEP		81.00	6.79	8.33		6.75	1.09	0.70	5.11	4.30	3.30	0.00	0.00	1.00
	273				74.79							0.00	0.00	
OCT		74.40	4.98	8.00		5.95	0.97	0.68	3.95	3.32	2.40	0.00	0.00	0.92
	304				83.29							0.00	0.00	
NOV		65.60	2.17	7.25		4.75	0.82	0.66	2.59	2.18	1.08	0.00	0.00	1.10
	334				91.51							0.00	0.00	
DEC		57.90	1.73	7.23		4.19	0.69	0.64	1.84	1.55	0.85	0.00	0.00	0.70
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						71.53			46.80	39.34	22.68	0.00	0.00	16.66

****

GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	12.34	16.66
95	12.99	17.54
90	13.72	18.51
85	14.52	19.60
80	15.43	20.83
75	16.46	22.22
70	17.63	23.80
65	18.99	25.63
60	20.57	27.77
55	22.44	30.29
50	24.69	33.32

SEMINOLE COUNTY

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT SANFORD (SEMINOLE CTY) AS PER SCS

LATITUDE= 28 DEG 48 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 6/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 45.03 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO. 5 CORN,SWEET

CORN

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		0.00	0.88	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.50	2.51	7.05		0.00	0.85	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		67.30	2.77	8.37		5.45	0.85	0.53	2.44	2.37	1.58	0.00	0.00	0.79
	90				24.59							0.00	0.00	
APR		69.10	3.78	8.69		6.00	0.88	0.86	4.53	4.40	2.39	0.00	0.00	2.02
	120				49.18							0.00	0.00	
MAY		75.40	3.03	9.49		7.16	0.99	1.07	7.61	7.40	2.32	0.00	0.00	5.08
	151				74.59							0.00	0.00	
JUN		78.90	3.01	9.43		7.44	1.05	1.04	8.13	7.91	2.38	0.00	0.00	5.53
	181				99.18							0.00	0.00	
JUL		83.10	7.01	9.61		0.26	1.12	1.00	0.29	0.28	0.17	0.00	0.00	0.12
	212				100.00							0.00	0.00	
AUG		83.20	5.59	9.19		0.00	1.13	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.00	6.79	8.33		0.00	1.09	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.40	4.98	8.00		0.00	0.97	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.60	2.17	7.25		0.00	0.82	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.90	1.73	7.23		0.00	0.69	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						26.31			22.99	22.36	8.83	0.00	0.00	13.53

****

NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		0.00	0.68	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.50	2.51	7.05		0.00	0.65	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		67.30	2.77	8.37		5.45	0.85	0.53	2.44	2.37	1.32	0.00	0.00	1.05
	90				24.59							0.00	0.00	
APR		69.10	3.78	8.69		6.00	0.88	0.86	4.53	4.40	2.00	0.00	0.00	2.40
	120				49.18							0.00	0.00	
MAY		75.40	3.03	9.49		7.16	0.99	1.07	7.61	7.40	1.95	0.00	0.00	5.45
	151				74.59							0.00	0.00	
JUN		78.90	3.01	9.43		7.44	1.05	1.04	8.13	7.91	2.00	0.00	0.00	5.91
	181				99.18							0.00	0.00	
JUL		83.10	7.01	9.61		0.26	1.12	1.00	0.29	0.28	0.14	0.00	0.00	0.14
	212				100.00							0.00	0.00	
AUG		83.20	5.59	9.19		0.00	1.13	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.00	6.79	8.33		0.00	1.09	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.40	4.98	8.00		0.00	0.97	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.80	2.17	7.25		0.00	0.82	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.90	1.73	7.23		0.00	0.69	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						26.31			22.99	22.36	7.42	0.00	0.00	14.95

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	13.53	14.95
95	14.25	15.73
90	15.04	16.61
85	15.92	17.58
80	16.92	18.68
75	18.04	19.93
70	19.33	21.35
65	20.82	22.99
60	22.56	24.91
55	24.61	27.17
50	27.07	29.89

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT SANFORD (SEMINOLE CTY) AS PER SCS

LATITUDE= 28 DEG 48 MIN
PLANTING DATE= 3/15 HARVEST DATE= 6/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 45.03 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.15 MELONS & CANTALOUPES

MELONS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		0.00	0.68	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.50	2.51	7.05		0.00	0.65	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		67.30	2.77	8.37		2.91	0.85	0.47	1.17	1.17	0.83	0.00	0.00	0.34
	90				17.39							0.00	0.00	
APR		69.10	3.78	8.69		6.00	0.88	0.69	3.64	3.64	2.29	0.00	0.00	1.35
	120				50.00							0.00	0.00	
MAY		75.40	3.03	9.49		7.16	0.99	0.78	5.53	5.53	2.09	0.00	0.00	3.44
	151				83.70							0.00	0.00	
JUN		78.90	3.01	9.43		3.72	1.05	0.70	2.73	2.73	1.04	0.00	0.00	1.70
	181				100.00							0.00	0.00	
JUL		83.10	7.01	9.61		0.00	1.12	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		83.20	5.59	9.19		0.00	1.13	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.00	6.79	8.33		0.00	1.09	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.40	4.98	8.00		0.00	0.97	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.60	2.17	7.25		0.00	0.82	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.90	1.73	7.23		0.00	0.69	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						19.79			13.07	13.07	6.25	0.00	0.00	6.82

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		0.00	0.68	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.50	2.51	7.05		0.00	0.65	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		67.30	2.77	8.37		2.91	0.85	0.47	1.17	1.17	0.70	0.00	0.00	0.47
	90				17.39							0.00	0.00	
APR		69.10	3.78	8.69		6.00	0.88	0.69	3.64	3.64	1.92	0.00	0.00	1.72
	120				50.00							0.00	0.00	
MAY		75.40	3.03	9.49		7.16	0.99	0.78	5.53	5.53	1.76	0.00	0.00	3.77
	151				83.70							0.00	0.00	
JUN		78.90	3.01	9.43		3.72	1.05	0.70	2.73	2.73	0.87	0.00	0.00	1.86
	181				100.00							0.00	0.00	
JUL		83.10	7.01	9.61		0.00	1.12	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		83.20	5.59	9.19		0.00	1.13	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.00	6.79	8.33		0.00	1.09	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.40	4.98	8.00		0.00	0.97	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.60	2.17	7.25		0.00	0.82	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.90	1.73	7.23		0.00	0.69	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						19.79			13.07	13.07	5.25	0.00	0.00	7.82

****

GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	6.82	7.82
95	7.18	8.23
90	7.58	8.69
85	8.03	9.20
80	8.53	9.78
75	9.10	10.43
70	9.75	11.18
65	10.50	12.03
60	11.37	13.04
55	12.41	14.22
50	13.65	15.65

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT SANFORD (SEMINOLE CTY) AS PER SCS

LATITUDE= 28 DEG 48 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 45.03 INCHES
PERCENT CHANCE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		4.11	0.68	0.50	1.40	1.40	0.96	0.00	0.00	0.44
	31				8.49							0.00	0.00	
FEB		55.50	2.51	7.05		3.91	0.65	0.58	1.46	1.46	1.41	0.00	0.00	0.05
	59				16.16							0.00	0.00	
MAR		67.30	2.77	8.37		5.63	0.85	0.73	3.51	3.51	1.73	0.00	0.00	1.78
	90				24.66							0.00	0.00	
APR		69.10	3.78	8.69		6.00	0.88	0.85	4.48	4.48	2.40	0.00	0.00	2.08
	120				32.88							0.00	0.00	
MAY		75.40	3.03	9.49		7.16	0.99	0.90	6.37	6.37	2.19	0.00	0.00	4.17
	151				41.37							0.00	0.00	
JUN		78.90	3.01	9.43		7.44	1.05	0.92	7.18	7.18	2.28	0.00	0.00	4.90
	181				49.59							0.00	0.00	
JUL		83.10	7.01	9.61		7.99	1.12	0.92	8.25	8.25	5.03	0.00	0.00	3.21
	212				58.08							0.00	0.00	
AUG		83.20	5.59	9.19		7.64	1.13	0.90	7.78	7.78	4.04	0.00	0.00	3.74
	243				66.58							0.00	0.00	
SEP		81.00	6.79	8.33		6.75	1.09	0.87	6.34	6.34	4.40	0.00	0.00	1.94
	273				74.79							0.00	0.00	
OCT		74.40	4.98	8.00		5.95	0.97	0.79	4.57	4.57	3.06	0.00	0.00	1.51
	304				83.29							0.00	0.00	
NOV		65.60	2.17	7.25		4.75	0.82	0.67	2.61	2.61	1.32	0.00	0.00	1.29
	334				91.51							0.00	0.00	
DEC		57.90	1.73	7.23		4.19	0.69	0.54	1.56	1.56	1.01	0.00	0.00	0.55
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						71.53			55.50	55.50	29.84	0.00	0.00	25.66

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		4.11	0.68	0.50	1.40	1.40	0.94	0.00	0.00	0.46
	31				8.49							0.00	0.00	
FER		55.50	2.51	7.05		3.91	0.65	0.58	1.46	1.46	1.38	0.00	0.00	0.07
	59				16.16							0.00	0.00	
MAR		67.30	2.77	8.37		5.63	0.85	0.73	3.51	3.51	1.69	0.00	0.00	1.82
	90				24.66							0.00	0.00	
APR		69.10	3.78	8.69		6.00	0.88	0.85	4.48	4.48	2.35	0.00	0.00	2.13
	120				32.88							0.00	0.00	
MAY		75.40	3.03	9.49		7.16	0.99	0.90	6.37	6.37	2.15	0.00	0.00	4.22
	151				41.37							0.00	0.00	
JUN		78.90	3.01	9.43		7.44	1.05	0.92	7.18	7.18	2.24	0.00	0.00	4.95
	181				49.59							0.00	0.00	
JUL		83.10	7.01	9.61		7.99	1.12	0.92	8.25	8.25	4.93	0.00	0.00	3.31
	212				58.08							0.00	0.00	
AUG		83.20	5.59	9.19		7.64	1.13	0.90	7.78	7.78	3.96	0.00	0.00	3.82
	243				66.58							0.00	0.00	
SEP		81.00	6.79	8.33		6.75	1.09	0.87	6.34	6.34	4.32	0.00	0.00	2.03
	273				74.79							0.00	0.00	
OCT		74.40	4.98	8.00		5.95	0.97	0.79	4.57	4.57	3.00	0.00	0.00	1.57
	304				83.29							0.00	0.00	
NOV		65.60	2.17	7.25		4.75	0.82	0.67	2.61	2.61	1.29	0.00	0.00	1.32
	334				91.51							0.00	0.00	
DEC		57.90	1.75	7.23		4.19	0.69	0.54	1.56	1.56	0.99	0.00	0.00	0.57
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						71.53			55.50	55.50	29.24	0.00	0.00	26.26

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	25.66	26.26
95	27.01	27.64
90	28.51	29.18
85	30.19	30.89
80	32.08	32.82
75	34.22	35.01
70	36.66	37.51
65	39.48	40.40
60	42.77	43.77
55	46.66	47.75
50	51.33	52.52

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT SANFORD (SEMINOLE CTY) AS PER SCS

LATITUDE= 28 DEG 48 MIN
PLANTING DATE= 2/ 1 HARVEST DATE= 4/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.65 TO 0.75
ANNUAL RAINFALL= 45.03 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.18 POTATOES,IRISH

POTATOES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		0.00	0.68	0.33	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.50	2.51	7.05		3.78	0.65	0.48	1.12	1.00	1.00	0.00	0.00	0.00
	59				30.34							0.00	0.00	
MAR		67.30	2.77	8.37		5.63	0.85	1.11	5.31	4.52	1.83	0.00	0.00	2.69
	90				65.17							0.00	0.00	
APR		69.10	3.78	8.69		6.00	0.88	1.33	7.02	5.98	2.61	0.00	0.00	3.37
	120				98.88							0.00	0.00	
MAY		75.40	3.03	9.49		0.23	0.99	1.22	0.28	0.24	0.07	0.00	0.00	0.16
	151				100.00							0.00	0.00	
JUN		78.90	3.01	9.43		0.00	1.05	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	181				100.00							0.00	0.00	
JUL		83.10	7.01	9.61		0.00	1.12	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		83.20	5.59	9.19		0.00	1.13	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.00	6.79	8.33		0.00	1.09	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.40	4.98	8.00		0.00	0.97	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.60	2.17	7.25		0.00	0.82	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.90	1.73	7.23		0.00	0.69	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						15.64			13.78	11.73	5.50	0.00	0.00	6.23

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		0.00	0.68	0.33	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.50	2.51	7.05		3.78	0.65	0.48	1.17	1.00	0.84	0.00	0.00	0.16
	59				30.34							0.00	0.00	
MAR		67.30	2.77	8.37		5.63	0.85	1.11	5.31	4.52	1.54	0.00	0.00	2.99
	90				65.17							0.00	0.00	
APR		69.10	3.78	8.69		6.00	0.88	1.33	7.02	5.98	2.19	0.00	0.00	3.79
	120				98.88							0.00	0.00	
MAY		75.40	3.03	9.49		0.23	0.99	1.22	0.28	0.24	0.06	0.00	0.00	0.18
	151				100.00							0.00	0.00	
JUN		78.90	3.01	9.43		0.00	1.05	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	181				100.00							0.00	0.00	
JUL		83.10	7.01	9.61		0.00	1.12	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		83.20	5.59	9.19		0.00	1.13	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.00	6.79	8.33		0.00	1.09	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.40	4.98	8.00		0.00	0.97	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.60	2.17	7.25		0.00	0.82	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.90	1.73	7.23		0.00	0.69	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
						---			---	---	---	---	---	---
SEASONAL TOTALS						15.64			13.78	11.73	4.62	0.00	0.00	7.11

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	6.23	7.11
95	6.56	7.48
90	6.92	7.90
85	7.33	8.36
80	7.78	8.88
75	8.30	9.48
70	8.90	10.15
65	9.58	10.94
60	10.38	11.85
55	11.32	12.92
50	12.46	14.22

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT SANFORD (SEMINOLE CTY) AS PER SCS

LATITUDE= 28 DEG 48 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 7/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.65 TO 0.70
ANNUAL RAINFALL= 45.03 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.20 SOYBEANS

SOYBEANS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITF	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		0.00	0.68	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.50	2.51	7.05		0.00	0.65	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		67.30	2.77	8.37		5.45	0.85	0.26	1.21	1.21	1.21	0.00	0.00	0.00
	90				21.43							0.00	0.00	
APR		69.10	3.78	8.69		6.00	0.88	0.45	2.37	2.37	2.13	0.00	0.00	0.24
	120				42.86							0.00	0.00	
MAY		75.40	3.03	9.49		7.16	0.99	0.80	5.67	5.67	2.11	0.00	0.00	3.56
	151				65.00							0.00	0.00	
JUN		78.90	3.01	9.43		7.44	1.05	0.95	7.46	7.46	2.32	0.00	0.00	5.14
	181				86.43							0.00	0.00	
JUL		83.10	7.01	9.61		3.86	1.12	0.74	3.23	3.23	2.23	0.00	0.00	1.00
	212				97.14							0.00	0.00	
AUG		83.20	5.59	9.19		0.00	1.13	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	243				97.14							0.00	0.00	
SEP		81.00	6.79	8.33		0.00	1.09	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	273				97.14							0.00	0.00	
OCT		74.40	4.98	8.00		0.00	0.97	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	304				97.14							0.00	0.00	
NOV		65.60	2.17	7.25		0.00	0.82	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	334				97.14							0.00	0.00	
DEC		57.90	1.73	7.23		0.00	0.69	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	365				97.14							0.00	0.00	
SEASONAL TOTALS						29.92			19.94	19.94	10.00	0.00	0.00	9.94

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		0.00	0.68	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.50	2.51	7.05		0.00	0.65	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		67.30	2.77	8.37		5.45	0.85	0.26	1.21	1.21	1.02	0.00	0.00	0.19
	90				21.43							0.00	0.00	
APR		69.10	3.78	8.69		6.00	0.88	0.45	2.37	2.37	1.79	0.00	0.00	0.58
	120				42.86							0.00	0.00	
MAY		75.40	3.03	9.49		7.16	0.99	0.80	5.67	5.67	1.77	0.00	0.00	3.90
	151				65.00							0.00	0.00	
JUN		78.90	3.01	9.43		7.44	1.05	0.95	7.46	7.46	1.95	0.00	0.00	5.51
	181				86.43							0.00	0.00	
JUL		83.10	7.01	9.61		3.86	1.12	0.74	3.23	3.23	1.87	0.00	0.00	1.35
	212				97.14							0.00	0.00	
AUG		83.20	5.59	9.19		0.00	1.13	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	243				97.14							0.00	0.00	
SEP		81.00	6.79	8.33		0.00	1.09	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	273				97.14							0.00	0.00	
OCT		74.40	4.98	8.00		0.00	0.97	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	304				97.14							0.00	0.00	
NOV		65.60	2.17	7.25		0.00	0.82	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	334				97.14							0.00	0.00	
DEC		57.90	1.73	7.23		0.00	0.69	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	365				97.14							0.00	0.00	
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SEASONAL TOTALS						29.92			19.94	19.94	8.40	0.00	0.00	11.54

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	9.94	11.54
95	10.46	12.15
90	11.05	12.82
85	11.70	13.58
80	12.43	14.43
75	13.26	15.39
70	14.20	16.49
65	15.29	17.76
60	16.57	19.23
55	18.08	20.98
50	19.88	23.08

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT SANFORD (SEMINOLE CTY) AS PER SCS

LATITUDE= 28 DEG 48 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 7/31
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 45.03 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.50	2.51	7.05		0.00	0.65	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		67.30	2.77	8.37		5.45	0.85	0.41	1.88	1.88	1.42	0.00	0.00	0.47
	90				19.74							0.00	0.00	
APR		69.10	3.78	8.69		6.00	0.88	0.68	3.60	3.60	2.11	0.00	0.00	1.49
	120				39.47							0.00	0.00	
MAY		75.40	3.03	9.49		7.16	0.99	0.83	5.71	5.71	1.96	0.00	0.00	3.76
	151				59.87							0.00	0.00	
JUN		78.90	3.01	9.43		7.44	1.05	0.78	6.14	6.14	1.99	0.00	0.00	4.15
	181				79.61							0.00	0.00	
JUL		83.10	7.01	9.61		7.99	1.12	0.56	5.06	5.06	3.89	0.00	0.00	1.16
	212				100.00							0.00	0.00	
AUG		83.20	5.59	9.19		0.00	1.13	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.00	6.79	8.33		0.00	1.09	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.40	4.98	8.00		0.00	0.97	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.60	2.17	7.25		0.00	0.82	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.90	1.73	7.23		0.00	0.69	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						34.04			22.39	22.39	11.37	0.00	0.00	11.02

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.50	2.51	7.05		0.00	0.65	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		67.30	2.77	8.37		5.45	0.85	0.41	1.88	1.88	1.19	0.00	0.00	0.69
	90				19.74							0.00	0.00	
APR		69.10	3.78	8.69		6.00	0.88	0.68	3.60	3.60	1.77	0.00	0.00	1.83
	120				39.47							0.00	0.00	
MAY		75.40	3.03	9.49		7.16	0.99	0.81	5.71	5.71	1.64	0.00	0.00	4.07
	151				59.87							0.00	0.00	
JUN		78.90	3.01	9.43		7.44	1.05	0.78	6.14	6.14	1.67	0.00	0.00	4.46
	181				79.61							0.00	0.00	
JUL		83.10	7.01	9.61		7.99	1.12	0.56	5.06	5.06	3.27	0.00	0.00	1.78
	212				100.00							0.00	0.00	
AUG		83.20	5.59	9.19		0.00	1.13	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.00	6.79	8.33		0.00	1.09	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.40	4.98	8.00		0.00	0.97	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.60	2.17	7.25		0.00	0.82	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.90	1.73	7.23		0.00	0.69	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						34.04			22.39	22.39	9.55	0.00	0.00	12.84

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT SANFORD (SEMINOLE CTY) AS PER SCS

LATITUDE= 28 DEG 48 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 6/ 1
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 45.03 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.50	2.51	7.05		0.00	0.65	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		67.30	2.77	8.37		5.45	0.85	0.50	2.33	2.34	1.45	0.00	0.00	0.88
	90				32.61							0.00	0.00	
APR		69.10	3.78	8.69		6.00	0.88	0.80	4.21	4.22	2.18	0.00	0.00	2.04
	120				65.22							0.00	0.00	
MAY		75.40	3.03	9.49		7.16	0.99	0.66	4.65	4.66	1.84	0.00	0.00	2.81
	151				98.91							0.00	0.00	
JUN		78.90	3.01	9.43		0.25	1.05	0.38	0.10	0.10	0.06	0.00	0.00	0.04
	181				100.00							0.00	0.00	
JUL		83.10	7.01	9.61		0.00	1.12	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		83.20	5.59	9.19		0.00	1.13	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.00	6.79	8.33		0.00	1.09	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.40	4.98	8.00		0.00	0.97	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.60	2.17	7.25		0.00	0.82	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.90	1.73	7.23		0.00	0.69	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						18.86			11.29	11.31	5.54	0.00	0.00	5.78

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	11.02	12.84
95	11.60	13.52
90	12.25	14.27
85	12.97	15.11
80	13.78	16.05
75	14.70	17.12
70	15.75	18.35
65	16.96	19.76
60	18.37	21.40
55	20.04	23.35
50	22.05	25.68

****

NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	1.65	7.36		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.50	2.51	7.05		0.00	0.65	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		67.30	2.77	8.37		5.45	0.85	0.50	2.33	2.34	1.22	0.00	0.00	1.12
	90				32.61							0.00	0.00	
APR		69.10	3.78	8.69		6.00	0.88	0.80	4.21	4.22	1.83	0.00	0.00	2.39
	120				65.22							0.00	0.00	
MAY		75.40	3.03	9.49		7.16	0.99	0.66	4.65	4.66	1.55	0.00	0.00	3.11
	151				98.91							0.00	0.00	
JUN		78.90	3.01	9.43		0.25	1.05	0.38	0.10	0.10	0.05	0.00	0.00	0.05
	181				100.00							0.00	0.00	
JUL		83.10	7.01	9.61		0.00	1.12	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		83.20	5.59	9.19		0.00	1.13	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		81.00	6.79	8.33		0.00	1.09	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		74.40	4.98	8.00		0.00	0.97	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.60	2.17	7.25		0.00	0.82	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.90	1.73	7.23		0.00	0.69	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						18.86			11.29	11.31	4.65	0.00	0.00	6.66

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	5.78	6.66
95	6.08	7.01
90	6.42	7.40
85	6.80	7.84
80	7.22	8.33
75	7.70	8.88
70	8.25	9.52
65	8.89	10.25
60	9.63	11.11
55	10.50	12.11
50	11.56	13.33

St. Johns Co.

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT ST. AUGUSTINE (ST. JOHNS CTY) AS PER SCS

LATITUDE= 29 DEG 54 MIN
PLANTING DATE= 2/ 1 HARVEST DATE= 4/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.65 TO 0.75
ANNUAL RAINFALL= 52.27 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.19 POTATOES,IRISH

POTATOES

NET IRRIGATION REQUIRENENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	2.95	7.31		0.00	0.67	0.33	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.51	7.02		3.68	0.63	0.48	1.11	0.98	0.98	0.00	0.00	0.00
	59				30.34							0.00	0.00	
MAR		65.21	3.46	9.37		5.46	0.81	1.11	4.92	4.37	2.20	0.00	0.00	2.17
	90				65.17							0.00	0.00	
APR		67.00	2.43	8.71		5.83	0.85	1.33	6.54	5.81	1.75	0.00	0.00	4.06
	120				98.88							0.00	0.00	
MAY		75.10	4.09	9.54		0.23	0.99	1.22	0.28	0.25	0.10	0.00	0.00	0.15
	151				100.00							0.00	0.00	
JUN		79.60	5.91	9.48		0.00	1.06	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	181				100.00							0.00	0.00	
JUL		83.60	6.70	9.66		0.00	1.13	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		81.90	6.81	9.21		0.00	1.10	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		79.80	7.15	8.33		0.00	1.07	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.80	3.93	7.99		0.00	0.91	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	2.41	7.20		0.00	0.77	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.90	2.95	7.17		0.00	0.60	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						15.21			12.85	11.41	5.03	0.00	0.00	6.37

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRS	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.30	2.95	7.31		0.00	0.67	0.33	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.51	7.02		3.68	0.63	0.48	1.11	0.98	0.84	0.00	0.00	0.14
	59				30.34							0.00	0.00	
MAR		65.20	3.46	5.37		5.46	0.81	1.11	4.92	4.37	1.88	0.00	0.00	2.49
	90				65.17							0.00	0.00	
APR		67.00	2.43	8.71		5.83	0.85	1.33	6.54	5.81	1.49	0.00	0.00	4.31
	120				98.82							0.00	0.00	
MAY		75.10	4.09	9.54		0.23	0.99	1.22	0.28	0.25	0.08	0.00	0.00	0.16
	151				100.00							0.00	0.00	
JUN		79.40	5.91	9.48		0.00	1.06	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	181				100.00							0.00	0.00	
JUL		83.00	6.70	9.66		0.00	1.13	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		81.80	6.81	9.21		0.00	1.10	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		79.60	7.13	8.33		0.00	1.07	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		72.50	4.93	7.99		0.00	0.91	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	2.41	7.20		0.00	0.77	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.90	2.93	7.17		0.00	0.60	1.22	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						15.21			12.85	11.41	4.30	0.00	0.00	7.19

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	6.37	7.10
95	6.71	7.48
9	7.08	7.89
85	7.50	8.36
80	7.96	8.88
75	8.50	9.47
70	9.10	10.15
65	9.80	10.93
60	10.62	11.84
55	11.58	12.92
50	12.74	14.21

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT ST. AUGUSTINE (ST. JOHNS CTY) AS PER SCS

LATITUDE= 29 DEG 54 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 7/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.65 TO 0.70
ANNUAL RAINFALL= 52.27 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.20 SOYBEANS

SOYBEANS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMH	SOME	XIRM
					0.00							0.00	0.00	
JAN		57.00	2.95	7.31		0.00	0.67	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.51	7.02		0.00	0.63	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.20	3.46	8.37		5.28	0.81	0.26	1.13	1.13	1.13	0.00	0.00	0.00
	90				21.43							0.00	0.00	
APR		67.00	2.43	8.71		5.83	0.85	0.45	2.21	2.21	1.43	0.00	0.00	0.78
	120				42.86							0.00	0.00	
MAY		75.10	4.09	9.54		7.16	0.99	0.80	5.65	5.65	2.74	0.00	0.00	2.91
	151				65.00							0.00	0.00	
JUN		79.50	5.91	9.48		7.55	1.06	0.95	7.65	7.65	4.21	0.00	0.00	3.45
	181				86.43							0.00	0.00	
JUL		83.60	6.70	9.66		3.91	1.13	0.74	3.29	3.29	2.16	0.00	0.00	1.13
	212				97.14							0.00	0.00	
AUG		81.30	6.51	9.21		0.00	1.10	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	243				97.14							0.00	0.00	
SEP		79.50	7.13	8.33		0.00	1.07	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	273				97.14							0.00	0.00	
OCT		70.60	3.93	7.99		0.00	0.91	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	304				97.14							0.00	0.00	
NOV		62.60	2.41	7.20		0.00	0.77	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	334				97.14							0.00	0.00	
DEC		52.20	2.95	7.17		0.00	0.69	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	365				97.14							0.00	0.00	
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SEASONAL TOTALS						29.74			19.93	19.93	11.66	0.00	0.00	8.26

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	PE	SOMB	SOME	XIRM
	1				0.00							0.00	0.00	
JAN		57.00	2.95	7.31		0.00	0.67	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.51	7.02		0.00	0.63	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.20	3.46	8.37		5.28	0.81	0.26	1.13	1.13	0.96	0.00	0.00	0.16
	90				21.43							0.00	0.00	
APR		67.00	2.43	8.71		5.83	0.95	0.45	2.21	2.21	1.22	0.00	0.00	0.99
	120				42.86							0.00	0.00	
MAY		75.10	4.09	9.54		7.16	0.99	0.80	5.65	5.65	2.34	0.00	0.00	3.31
	151				65.00							0.00	0.00	
JUN		79.60	5.91	9.48		7.55	1.06	0.95	7.65	7.65	3.60	0.00	0.00	4.06
	181				86.43							0.00	0.00	
JUL		83.60	6.70	9.66		3.91	1.13	0.74	3.29	3.29	1.85	0.00	0.00	1.44
	212				97.14							0.00	0.00	
AUG		81.80	6.81	9.21		0.00	1.10	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	243				97.14							0.00	0.00	
SEP		79.20	7.13	8.33		0.00	1.07	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	273				97.14							0.00	0.00	
OCT		70.80	3.93	7.99		0.00	0.91	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	304				97.14							0.00	0.00	
NOV		62.60	2.41	7.20		0.00	0.77	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	334				97.14							0.00	0.00	
DEC		52.90	2.95	7.17		0.00	0.60	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	365				97.14							0.00	0.00	
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SEASONAL TOTALS						29.74			19.93	19.93	9.97	0.00	0.00	9.96

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

****

EFFICIENCY	NORMAL	DRY
100	8.24	9.96
95	8.70	10.48
90	9.18	11.07
85	9.72	11.72
80	10.33	12.45
75	11.02	13.28
70	11.80	14.23
65	12.71	15.32
60	13.77	16.60
55	15.02	18.11
50	16.52	19.92

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT ST. AUGUSTINE (ST. JOHNS CTY) AS PER SCS

LATITUDE= 29 DEG 54 MIN
PLANTING DATE= 2/15 HARVEST DATE= 9/ 1
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 1.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 52.27 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MO	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.10	2.95	7.31		0.00	0.67	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.51	7.02		1.77	0.63	0.32	0.35	0.35	0.35	0.00	0.00	0.00
	59				6.57							0.00	0.00	
MAR		65.20	3.46	8.37		5.46	0.81	0.47	2.08	2.08	1.79	0.00	0.00	0.29
	90				22.22							0.00	0.00	
APR		67.00	2.43	8.71		5.83	0.85	0.69	3.38	3.38	1.41	0.00	0.00	1.97
	120				37.37							0.00	0.00	
MAY		75.10	4.09	9.54		7.16	0.99	0.79	5.60	5.60	2.53	0.00	0.00	3.08
	151				53.03							0.00	0.00	
JUN		79.60	5.91	9.48		7.55	1.06	0.82	6.56	6.56	3.66	0.00	0.00	2.90
	181				68.12							0.00	0.00	
JUL		83.60	6.70	9.66		8.08	1.13	0.75	6.83	6.83	4.14	0.00	0.00	2.69
	212				83.84							0.00	0.00	
AUG		81.50	6.81	9.21		7.53	1.10	0.53	4.43	4.43	3.67	0.00	0.00	0.76
	243				99.49							0.00	0.00	
SEP		79.00	7.13	8.33		0.22	1.07	0.32	0.09	0.09	0.09	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.60	3.93	7.99		0.00	0.91	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	2.41	7.20		0.00	0.77	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.20	2.93	7.17		0.00	0.60	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						43.61			29.32	29.32	17.64	0.00	0.00	11.68

****

NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
					0.00							0.00	0.00	
JAN		57.00	2.95	7.31		0.00	0.67	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.51	7.02		1.77	0.63	0.32	0.35	0.35	0.30	0.00	0.00	0.05
	59				6.57							0.00	0.00	
MAR		65.20	3.46	8.37		5.46	0.81	0.47	2.08	2.08	1.53	0.00	0.00	0.55
	91				22.22							0.00	0.00	
APR		67.90	2.43	8.71		5.83	0.95	0.69	3.38	3.38	1.21	0.00	0.00	2.17
	120				37.37							0.00	0.00	
MAY		75.10	4.09	9.54		7.16	0.99	0.79	5.60	5.60	2.16	0.00	0.00	3.44
	151				53.03							0.00	0.00	
JUN		79.60	5.91	9.48		7.55	1.06	0.82	6.56	6.56	3.13	0.00	0.00	3.43
	181				68.19							0.00	0.00	
JUL		83.60	6.70	9.66		8.08	1.13	0.75	6.83	6.83	3.53	0.00	0.00	3.29
	212				83.84							0.00	0.00	
AUG		81.80	6.81	9.21		7.53	1.10	0.53	4.43	4.43	3.14	0.00	0.00	1.30
	243				99.49							0.00	0.00	
SEP		79.80	7.13	8.33		0.22	1.07	0.38	0.09	0.09	0.08	0.00	0.00	0.01
	273				100.00							0.00	0.00	
OCT		70.30	3.93	7.99		0.00	0.91	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	2.41	7.20		0.00	0.77	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.90	2.03	7.17		0.00	0.60	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						43.61			29.32	29.32	15.08	0.00	0.00	14.25

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	11.68	14.25
95	12.30	15.00
90	12.98	15.83
85	13.74	16.76
80	14.60	17.81
75	15.58	19.00
70	16.69	20.36
65	17.97	21.92
60	19.47	23.75
55	21.24	25.91
50	23.36	28.50

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT ST. AUGUSTINE (ST. JOHNS CTY) AS PER SCS

LATITUDE= 29 DEG 54 MIN
PLANTING DATE= 4/ 1 HARVEST DATE= 9/ 1
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 52.27 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GPO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	2.95	7.31		0.00	0.67	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.51	7.02		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.20	3.46	8.37		0.00	0.61	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	91				0.00							0.00	0.00	
APR		67.00	2.43	8.71		5.64	0.85	0.40	1.91	1.91	1.26	0.00	0.00	0.64
	120				18.95							0.00	0.00	
MAY		75.10	4.09	9.54		7.16	0.99	0.67	4.76	4.76	2.41	0.00	0.00	2.35
	151				39.22							0.00	0.00	
JUN		79.60	5.91	9.46		7.55	1.06	0.80	6.46	6.46	3.64	0.00	0.00	2.82
	181				58.82							0.00	0.00	
JUL		83.60	6.70	9.66		8.08	1.13	0.79	7.21	7.21	4.23	0.00	0.00	2.98
	212				79.08							0.00	0.00	
AUG		81.50	6.81	9.21		7.53	1.10	0.57	4.76	4.76	3.74	0.00	0.00	1.02
	243				99.35							0.00	0.00	
SEP		79.60	7.13	8.33		0.22	1.07	0.38	0.09	0.09	0.09	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.60	3.93	7.99		0.00	0.91	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	2.41	7.20		0.00	0.77	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.90	2.95	7.17		0.00	0.60	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						36.19			25.19	25.19	15.37	0.00	0.00	9.82

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
					0.00							0.00	0.00	
JAN		57.00	2.95	7.31		0.00	0.67	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.51	7.02		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.20	3.46	8.37		0.00	0.81	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	90				0.00							0.00	0.00	
APR		67.00	2.43	8.71		5.64	0.85	0.40	1.91	1.91	1.08	0.00	0.00	0.83
	120				18.95							0.00	0.00	
MAY		75.10	4.09	9.54		7.16	0.99	0.67	4.76	4.76	2.06	0.00	0.00	2.70
	151				39.22							0.00	0.00	
JUN		79.60	5.91	9.48		7.55	1.06	0.80	6.46	6.46	3.11	0.00	0.00	3.35
	181				58.82							0.00	0.00	
JUL		83.40	6.70	9.66		8.08	1.13	0.79	7.21	7.21	3.61	0.00	0.00	3.60
	212				79.09							0.00	0.00	
AUG		81.80	6.81	9.21		7.53	1.10	0.57	4.76	4.76	3.19	0.00	0.00	1.56
	243				99.35							0.00	0.00	
SEP		79.60	7.13	8.33		0.22	1.07	0.38	0.09	0.09	0.08	0.00	0.00	0.01
	273				100.00							0.00	0.00	
OCT		70.00	3.23	7.99		0.00	0.91	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.60	2.41	7.20		0.00	0.77	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.90	2.93	7.17		0.00	0.60	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						36.19			25.19	25.19	13.13	0.00	0.00	12.06

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	9.82	12.06
95	10.34	12.69
90	10.91	13.40
85	11.55	14.18
80	12.28	15.07
75	13.09	16.07
70	14.03	17.22
65	15.11	18.55
60	16.37	20.09
55	17.86	21.92
50	19.64	24.11

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT ST. AUGUSTINE (ST. JOHNS CTY) AS PER SCS

LATITUDE= 29 DEG 54 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 7/ 1
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 52.27 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO. 5 CORN,SWEET

CORN

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UNON	UMONA	RE	SOMB	SOME	XIRM
					0.00							0.00	0.00	
JAN		57.00	2.95	7.31		0.00	0.67	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.51	7.02		0.00	0.63	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.20	3.46	8.37		5.28	0.81	0.53	2.26	2.21	1.90	0.00	0.00	0.31
	90				24.59							0.00	0.00	
APR		67.00	2.43	9.71		5.83	0.85	0.86	4.22	4.12	1.59	0.00	0.00	2.53
	120				49.18							0.00	0.00	
MAY		75.10	4.09	9.54		7.16	0.99	1.07	7.58	7.40	3.02	0.00	0.00	4.38
	151				74.59							0.00	0.00	
JUN		79.60	5.91	9.48		7.55	1.06	1.04	8.34	8.15	4.33	0.00	0.00	3.83
	181				99.18							0.00	0.00	
JUL		83.60	6.70	9.66		0.26	1.13	1.00	0.30	0.29	0.16	0.00	0.00	0.13
	212				100.00							0.00	0.00	
AUG		81.30	6.81	9.21		0.00	1.10	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		79.50	7.15	8.33		0.00	1.07	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	274				100.00							0.00	0.00	
OCT		70.30	3.93	7.99		0.00	0.91	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.10	2.41	7.20		0.00	0.77	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.90	2.95	7.17		0.00	0.60	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						26.09			22.69	22.17	11.00	0.00	0.00	11.17

NET IRRIGATION REQUIREMENTS,DRY YEARS

MO.	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	PE	SOMB	SOME	XIRN
					0.00							0.00	0.00	
JAN		57.50	2.95	7.31		0.00	0.67	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.40	3.51	7.02		0.00	0.63	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		65.20	3.46	8.37		5.28	0.81	0.53	2.26	2.21	1.62	0.00	0.00	0.58
	90				24.59							0.00	0.00	
APR		67.70	2.43	8.71		5.83	0.85	0.86	4.22	4.12	1.36	0.00	0.00	2.76
	120				49.13							0.00	0.00	
MAY		75.10	4.02	9.54		7.16	0.99	1.07	7.58	7.40	2.58	0.00	0.00	4.82
	151				74.59							0.00	0.00	
JUN		77.40	5.91	9.48		7.55	1.06	1.04	8.34	8.15	3.70	0.00	0.00	4.46
	181				99.15							0.00	0.00	
JUL		75.30	6.70	9.66		0.26	1.13	1.00	0.30	0.29	0.14	0.00	0.00	0.15
	212				100.00							0.00	0.00	
AUG		81.30	6.81	9.21		0.00	1.10	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		79.50	7.13	8.33		0.00	1.07	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		70.50	3.93	7.99		0.00	0.91	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.50	2.41	7.20		0.00	0.77	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		52.90	2.93	7.17		0.00	0.61	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						26.09			22.69	22.17	9.40	0.00	0.00	12.77

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	11.17	12.77
95	11.76	13.45
90	12.42	14.19
85	13.15	15.03
80	13.97	15.97
75	14.90	17.03
70	15.96	18.25
65	17.19	19.65
60	18.62	21.29
55	20.32	23.23
50	22.35	25.55

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT ST. AUGUSTINE (ST. JOHNS CTY) AS PER SCS

LATITUDE= 29 DEG 54 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.45 TO 0.55
ANNUAL RAINFALL= 52.27 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. 00.10 CITRUS

CITRUS

****

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

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MO	DAYS	TEMP	RT	LITL	GRO	F	KT	KC	UMON	UMONA	RE	SOMP	SOME	XIRM
	1				0.00							0.00	0.00	
JAN		57.00	2.95	7.31		4.03	0.67	0.64	1.72	1.48	1.48	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		54.40	3.51	7.02		3.82	0.63	0.65	1.57	1.35	1.35	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		65.20	3.46	8.37		5.46	0.81	0.67	2.99	2.57	1.99	0.00	0.00	0.58
	90				24.66							0.00	0.00	
APR		67.00	2.43	8.71		5.83	0.85	0.70	3.44	2.95	1.49	0.00	0.00	1.46
	120				32.88							0.00	0.00	
MAY		75.10	4.09	9.54		7.16	0.99	0.70	4.94	4.24	2.53	0.00	0.00	1.71
	151				41.37							0.00	0.00	
JUN		77.60	5.91	9.48		7.55	1.06	0.71	5.69	4.88	3.60	0.00	0.00	1.28
	181				49.59							0.00	0.00	
JUL		83.60	6.70	9.66		8.08	1.13	0.71	6.50	5.57	4.17	0.00	0.00	1.40
	212				58.08							0.00	0.00	
AUG		81.00	6.01	9.21		7.53	1.10	0.71	5.85	5.02	4.10	0.00	0.00	0.92
	243				66.58							0.00	0.00	
SEP		79.60	7.13	8.33		6.65	1.07	0.70	4.94	4.24	4.08	0.00	0.00	0.16
	273				74.79							0.00	0.00	
OCT		70.60	3.93	7.99		5.66	0.91	0.68	3.51	3.01	2.28	0.00	0.00	0.73
	304				83.29							0.00	0.00	
NOV		62.60	2.41	7.20		4.51	0.77	0.66	2.30	1.98	1.40	0.00	0.00	0.58
	334				91.51							0.00	0.00	
DEC		52.90	2.95	7.17		3.79	0.60	0.64	1.46	1.25	1.25	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						76.08			44.91	38.54	29.74	0.00	0.00	8.90

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.30	2.95	7.31		4.03	0.67	0.64	1.72	1.48	1.26	0.00	0.00	0.22
	31				8.49							0.00	0.00	
FEB		54.40	3.51	7.02		3.82	0.63	0.65	1.57	1.35	1.15	0.00	0.00	0.20
	59				16.16							0.00	0.00	
MAR		65.20	3.46	8.37		5.46	0.81	0.67	2.99	2.57	1.70	0.00	0.00	0.87
	90				24.66							0.00	0.00	
APR		67.00	2.43	8.71		5.83	0.85	0.70	3.44	2.95	1.27	0.00	0.00	1.68
	120				32.88							0.00	0.00	
MAY		75.10	4.09	9.54		7.16	0.99	0.70	4.94	4.24	2.16	0.00	0.00	2.08
	151				41.37							0.00	0.00	
JUN		79.60	5.91	9.48		7.55	1.06	0.71	5.69	4.88	3.08	0.00	0.00	1.80
	181				49.59							0.00	0.00	
JUL		83.00	6.70	9.66		8.08	1.13	0.71	6.50	5.57	3.56	0.00	0.00	2.01
	212				58.08							0.00	0.00	
AUG		81.30	6.81	9.21		7.53	1.10	0.71	5.85	5.02	3.50	0.00	0.00	1.51
	243				66.58							0.00	0.00	
SEP		79.60	7.13	8.33		6.65	1.07	0.70	4.94	4.24	3.49	0.00	0.00	0.75
	273				74.79							0.00	0.00	
OCT		78.00	3.93	7.99		5.66	0.91	0.68	3.51	3.01	1.95	0.00	0.00	1.06
	304				83.29							0.00	0.00	
NOV		67.60	2.41	7.20		4.51	0.77	0.66	2.30	1.98	1.20	0.00	0.00	0.78
	334				91.51							0.00	0.00	
DEC		52.30	2.93	7.17		3.79	0.60	0.64	1.46	1.25	1.07	0.00	0.00	0.18
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						70.03			44.91	38.54	25.41	0.00	0.00	13.13

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	8.50	13.13
95	9.27	13.82
90	9.78	14.59
85	10.36	15.45
80	11.01	16.41
75	11.74	17.51
70	12.58	18.76
65	13.55	20.20
60	14.67	21.88
55	16.01	23.87
50	17.61	26.26

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT ST. AUGUSTINE (ST. JOHNS CTY) AS PER SCS

LATITUDE= 29 DEG 54 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 52.27 INCHES
PERCENT CHANCE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MO	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RF	SOMB	SOME	XIRM
	1				0.00							0.00	0.00	
JAN		57.00	2.95	7.31		4.03	0.67	0.50	1.35	1.35	1.35	0.00	0.00	0.00
	31				8.49							0.00	0.00	
FEB		54.40	3.51	7.02		3.82	0.63	0.58	1.38	1.38	1.38	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		65.20	3.46	8.37		5.46	0.81	0.73	3.25	3.25	2.07	0.00	0.00	1.18
	91				24.66							0.00	0.00	
APR		67.00	2.43	8.71		5.83	0.85	0.85	4.18	4.18	1.60	0.00	0.00	2.58
	120				32.88							0.00	0.00	
MAY		75.10	4.09	9.54		7.16	0.99	0.90	6.34	6.34	2.85	0.00	0.00	3.49
	151				41.37							0.00	0.00	
JUN		79.60	5.91	9.48		7.55	1.06	0.92	7.37	7.37	4.14	0.00	0.00	3.23
	181				49.59							0.00	0.00	
JUL		83.60	6.70	9.66		8.08	1.13	0.92	8.41	8.41	4.89	0.00	0.00	3.52
	212				58.08							0.00	0.00	
AUG		81.00	6.81	9.21		7.53	1.10	0.90	7.50	7.50	4.71	0.00	0.00	2.79
	243				66.58							0.00	0.00	
SEP		79.60	7.13	8.33		6.65	1.07	0.87	6.13	6.13	4.54	0.00	0.00	1.60
	273				74.79							0.00	0.00	
OCT		70.30	3.93	7.99		5.66	0.91	0.79	4.06	4.06	2.42	0.00	0.00	1.64
	304				83.29							0.00	0.00	
NOV		62.60	2.41	7.20		4.51	0.77	0.67	2.32	2.32	1.43	0.00	0.00	0.89
	334				91.51							0.00	0.00	
DEC		52.90	2.93	7.17		3.79	0.60	0.54	1.23	1.23	1.23	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						71.08			53.53	53.53	32.61	0.00	0.00	20.92

NET IRRIGATION REQUIREMENTS,DRY YEARS

MO	DAYS	TEMP	RT	LTTE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.00	2.95	7.31		4.03	0.67	0.50	1.35	1.35	1.33	0.00	0.00	0.02
	31				8.49							0.00	0.00	
FEB		54.40	3.51	7.02		3.82	0.63	0.58	1.38	1.38	1.36	0.00	0.00	0.02
	59				16.16							0.00	0.00	
MAR		65.20	3.46	5.37		5.46	0.81	0.73	3.25	3.25	2.04	0.00	0.00	1.21
	90				24.66							0.00	0.00	
APR		67.50	2.43	8.71		5.23	0.85	0.85	4.18	4.18	1.57	0.00	0.00	2.60
	120				32.86							0.00	0.00	
MAY		75.10	4.09	9.54		7.16	0.99	0.90	6.34	6.34	2.80	0.00	0.00	3.54
	151				41.37							0.00	0.00	
JUN		79.60	5.91	9.46		7.55	1.06	0.92	7.37	7.37	4.08	0.00	0.00	3.29
	181				49.59							0.00	0.00	
JUL		83.60	6.70	9.66		8.08	1.13	0.92	8.41	8.41	4.81	0.00	0.00	3.60
	212				58.08							0.00	0.00	
AUG		81.80	6.81	9.21		7.53	1.10	0.90	7.50	7.50	4.64	0.00	0.00	2.86
	243				66.58							0.00	0.00	
SEP		79.90	7.13	8.33		6.65	1.07	0.87	6.13	6.13	4.47	0.00	0.00	1.67
	273				74.79							0.00	0.00	
OCT		70.50	3.93	7.99		5.66	0.91	0.79	4.06	4.06	2.38	0.00	0.00	1.68
	304				83.29							0.00	0.00	
NOV		62.60	2.41	7.20		4.51	0.77	0.67	2.32	2.32	1.41	0.00	0.00	0.91
	334				91.51							0.00	0.00	
DEC		52.90	2.93	7.17		3.79	0.60	0.54	1.23	1.23	1.22	0.00	0.00	0.02
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						70.08			53.53	53.53	32.10	0.00	0.00	21.43

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	20.92	21.43
95	22.02	22.55
90	23.25	23.81
85	24.61	25.21
80	26.15	26.78
75	27.90	28.57
70	29.89	30.61
65	32.19	32.96
60	34.87	35.71
55	38.04	38.96
50	41.84	42.85

Volusia Co.-West IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT DELAND (W. VOLUSIA CTY) AS PER SCS

LATITUDE= 29 DEG 1 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.45 TO 0.55
ANNUAL RAINFALL= 50.18 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.10 CITRUS

CITRUS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.10	2.36	7.35		4.13	0.69	0.64	1.82	1.54	1.34	0.00	0.00	0.20
	31				8.49							0.00	0.00	
FEB		54.70	3.11	7.05		3.86	0.63	0.65	1.60	1.36	1.36	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		66.40	3.10	8.37		5.56	0.83	0.67	3.13	2.66	1.82	0.00	0.00	0.84
	90				24.66							0.00	0.00	
APR		69.40	2.36	8.69		6.03	0.89	0.70	3.73	3.17	1.47	0.00	0.00	1.70
	120				32.88							0.00	0.00	
MAY		75.10	3.75	9.50		7.14	0.99	0.70	4.92	4.19	2.34	0.00	0.00	1.85
	151				41.37							0.00	0.00	
JUN		79.70	6.75	9.44		7.52	1.06	0.71	5.68	4.83	4.03	0.00	0.00	0.80
	181				49.59							0.00	0.00	
JUL		83.00	7.07	9.62		7.99	1.12	0.71	6.36	5.41	4.33	0.00	0.00	1.08
	212				58.08							0.00	0.00	
AUG		81.70	7.42	9.19		7.51	1.10	0.71	5.82	4.95	4.39	0.00	0.00	0.56
	243				66.58							0.00	0.00	
SEP		80.60	6.09	8.33		6.71	1.08	0.70	5.06	4.30	3.58	0.00	0.00	0.72
	273				74.79							0.00	0.00	
OCT		72.40	4.14	8.00		5.79	0.94	0.68	3.71	3.15	2.41	0.00	0.00	0.74
	304				83.29							0.00	0.00	
NOV		62.90	2.23	7.24		4.55	0.77	0.66	2.34	1.99	1.31	0.00	0.00	0.69
	334				91.51							0.00	0.00	
DEC		54.70	1.80	7.22		3.95	0.63	0.64	1.60	1.36	1.04	0.00	0.00	0.32
	365				100.00							0.00	0.00	
SEASONAL TOTALS						70.74			45.75	38.91	29.41	0.00	0.00	9.49

NET IRRIGATION REQUIREMENTS, DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.10	2.36	7.35		4.13	0.69	0.64	1.82	1.54	1.14	0.00	0.00	0.40
	31				8.49							0.00	0.00	
FEB		54.70	3.11	7.05		3.86	0.63	0.65	1.60	1.36	1.15	0.00	0.00	0.20
	59				16.16							0.00	0.00	
MAR		66.40	3.10	8.37		5.56	0.83	0.67	3.13	2.66	1.55	0.00	0.00	1.11
	90				24.66							0.00	0.00	
APR		69.40	2.36	8.69		6.03	0.89	0.70	3.73	3.17	1.25	0.00	0.00	1.92
	120				32.88							0.00	0.00	
MAY		75.10	3.75	9.50		7.14	0.99	0.70	4.92	4.19	1.99	0.00	0.00	2.20
	151				41.37							0.00	0.00	
JUN		79.70	6.75	9.44		7.52	1.06	0.71	5.68	4.83	3.42	0.00	0.00	1.40
	181				49.59							0.00	0.00	
JUL		83.00	7.07	9.62		7.99	1.12	0.71	6.36	5.41	3.68	0.00	0.00	1.73
	212				58.08							0.00	0.00	
AUG		81.70	7.42	9.19		7.51	1.10	0.71	5.82	4.95	3.74	0.00	0.00	1.21
	243				66.58							0.00	0.00	
SEP		80.60	6.09	8.33		6.71	1.08	0.70	5.06	4.30	3.04	0.00	0.00	1.26
	273				74.79							0.00	0.00	
OCT		72.40	4.14	8.00		5.79	0.94	0.68	3.71	3.15	2.05	0.00	0.00	1.10
	304				83.29							0.00	0.00	
NOV		62.90	2.23	7.24		4.55	0.77	0.66	2.34	1.99	1.11	0.00	0.00	0.88
	334				91.51							0.00	0.00	
DEC		54.70	1.80	7.22		3.95	0.63	0.64	1.60	1.36	0.88	0.00	0.00	0.47
	365				100.00							0.00	0.00	
SEASONAL TOTALS						70.74			45.75	38.91	25.01	0.00	0.00	13.90

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	9.49	13.90
95	9.99	14.63
90	10.55	15.44
85	11.17	16.35
80	11.87	17.37
75	12.66	18.53
70	13.56	19.85
65	14.61	21.38
60	15.82	23.16
55	17.26	25.26
50	18.99	27.79

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT DELAND (W. VOLUSIA CTY) AS PER SCS

LATITUDE= 29 DEG 1 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 6/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 50.18 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO. 5 CORN,SWEET

CORN

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.10	2.36	7.35		0.00	0.69	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.70	3.11	7.05		0.00	0.63	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.40	3.10	8.37		5.38	0.83	0.53	2.36	2.28	1.73	0.00	0.00	0.55
	90				24.59							0.00	0.00	
APR		69.40	2.36	8.69		6.03	0.89	0.86	4.58	4.43	1.58	0.00	0.00	2.86
	120				49.18							0.00	0.00	
MAY		75.10	3.75	9.50		7.14	0.99	1.07	7.55	7.31	2.79	0.00	0.00	4.52
	151				74.59							0.00	0.00	
JUN		79.70	6.75	9.44		7.52	1.06	1.04	8.33	8.07	4.83	0.00	0.00	3.24
	181				99.18							0.00	0.00	
JUL		83.00	7.07	9.62		0.26	1.12	1.00	0.29	0.28	0.17	0.00	0.00	0.11
	212				100.00							0.00	0.00	
AUG		81.70	7.42	9.19		0.00	1.10	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.60	6.09	8.33		0.00	1.08	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		72.40	4.14	8.00		0.00	0.94	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.90	2.23	7.24		0.00	0.77	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.70	1.80	7.22		0.00	0.63	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						26.33			23.10	22.38	11.09	0.00	0.00	11.29

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.10	2.36	7.35		0.00	0.69	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FER		54.70	3.11	7.05		0.00	0.63	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.40	3.10	8.37		5.38	0.83	0.53	2.36	2.28	1.47	0.00	0.00	0.81
	90				24.59							0.00	0.00	
APR		69.40	2.36	8.69		6.03	0.89	0.86	4.58	4.43	1.34	0.00	0.00	3.09
	120				49.18							0.00	0.00	
MAY		75.10	3.75	9.50		7.14	0.99	1.07	7.55	7.31	2.37	0.00	0.00	4.94
	151				74.59							0.00	0.00	
JUN		79.70	6.75	9.44		7.52	1.06	1.04	8.33	8.07	4.10	0.00	0.00	3.97
	181				99.18							0.00	0.00	
JUL		83.00	7.07	9.62		0.26	1.12	1.00	0.29	0.28	0.14	0.00	0.00	0.14
	212				100.00							0.00	0.00	
AUG		81.70	7.42	9.19		0.00	1.10	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.60	6.09	8.33		0.00	1.08	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		72.40	4.14	8.00		0.00	0.94	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.90	2.23	7.24		0.00	0.77	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.70	1.80	7.22		0.00	0.63	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						26.33			23.10	22.38	9.43	0.00	0.00	12.95

****

GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	11.29	12.95
95	11.88	13.63
90	12.54	14.39
85	13.28	15.23
80	14.11	16.18
75	15.05	17.26
70	16.13	18.50
65	17.37	19.92
60	18.81	21.58
55	20.52	23.54
50	22.58	25.90

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT DELAND (W. VOLUSIA CTY) AS PER SCS

LATITUDE= 29 DEG 1 MIN
PLANTING DATE= 3/15 HARVEST DATE= 6/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 50.18 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.15 MELONS & CANTALOUPES

MELONS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.10	2.36	7.35		0.00	0.69	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.70	3.11	7.05		0.00	0.63	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.40	3.10	8.37		2.87	0.83	0.47	1.13	1.13	0.92	0.00	0.00	0.22
	90				17.39							0.00	0.00	
APR		69.40	2.38	8.69		6.03	0.89	0.69	3.67	3.67	1.51	0.00	0.00	2.16
	120				50.00							0.00	0.00	
MAY		75.10	3.75	9.50		7.14	0.99	0.78	5.48	5.48	2.52	0.00	0.00	2.97
	151				83.70							0.00	0.00	
JUN		79.70	6.75	9.44		3.76	1.06	0.70	2.80	2.80	2.10	0.00	0.00	0.70
	181				100.00							0.00	0.00	
JUL		83.00	7.07	9.62		0.00	1.12	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		81.70	7.42	9.19		0.00	1.10	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.60	6.09	8.33		0.00	1.08	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		72.40	4.14	8.00		0.00	0.94	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.90	2.23	7.24		0.00	0.77	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.70	1.80	7.22		0.00	0.63	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						19.80			13.09	13.09	7.05	0.00	0.00	6.05

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.10	2.36	7.35		0.00	0.69	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.70	3.11	7.05		0.00	0.63	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.40	3.10	8.37		2.87	0.83	0.47	1.13	1.13	0.78	0.00	0.00	0.36
	90				17.39							0.00	0.00	
APR		69.40	2.36	8.69		6.03	0.89	0.69	3.67	3.67	1.29	0.00	0.00	2.39
	120				50.00							0.00	0.00	
MAY		75.10	3.75	9.50		7.14	0.99	0.78	5.46	5.48	2.14	0.00	0.00	3.34
	151				83.70							0.00	0.00	
JUN		79.70	6.75	9.44		3.76	1.06	0.70	2.80	2.80	1.79	0.00	0.00	1.01
	181				100.00							0.00	0.00	
JUL		83.00	7.07	9.62		0.00	1.12	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		81.70	7.42	9.19		0.00	1.10	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.60	6.09	8.33		0.00	1.08	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		72.40	4.14	8.00		0.00	0.94	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.90	2.23	7.24		0.00	0.77	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.70	1.80	7.22		0.00	0.63	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						19.80			13.09	13.09	5.99	0.00	0.00	7.10

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	6.05	7.10
95	6.37	7.48
90	6.72	7.89
85	7.12	8.36
80	7.56	8.88
75	8.07	9.47
70	8.64	10.15
65	9.31	10.93
60	10.08	11.84
55	11.00	12.92
50	12.10	14.21

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT DELAND (W. VOLUSIA CTY) AS PER SCS

LATITUDE= 29 DEG 1 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 50.18 INCHES
PERCENT CHANCE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.10	2.36	7.35		4.13	0.69	0.50	1.42	1.42	1.33	0.00	0.00	0.09
	31				8.49							0.00	0.00	
FEB		54.70	3.11	7.05		3.86	0.63	0.58	1.40	1.40	1.40	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		66.40	3.10	8.37		5.56	0.83	0.73	3.40	3.40	1.90	0.00	0.00	1.50
	90				24.66							0.00	0.00	
APR		69.40	2.36	8.69		6.03	0.89	0.85	4.53	4.53	1.59	0.00	0.00	2.94
	120				32.88							0.00	0.00	
MAY		75.10	3.75	9.50		7.14	0.99	0.90	6.31	6.31	2.64	0.00	0.00	3.68
	151				41.37							0.00	0.00	
JUN		79.70	6.75	9.44		7.52	1.06	0.92	7.36	7.36	4.64	0.00	0.00	2.72
	181				49.59							0.00	0.00	
JUL		83.00	7.07	9.62		7.99	1.12	0.92	8.23	8.23	5.07	0.00	0.00	3.17
	212				58.08							0.00	0.00	
AUG		81.70	7.42	9.19		7.31	1.10	0.98	7.47	7.47	5.06	0.00	0.00	2.41
	243				66.58							0.00	0.00	
SEP		80.60	6.09	8.33		6.71	1.08	0.87	6.27	6.27	4.00	0.00	0.00	2.28
	273				74.79							0.00	0.00	
OCT		72.40	4.14	8.00		5.79	0.94	0.79	4.29	4.29	2.57	0.00	0.00	1.72
	304				83.29							0.00	0.00	
NOV		62.90	2.23	7.24		4.55	0.77	0.67	2.36	2.36	1.33	0.00	0.00	1.02
	334				91.51							0.00	0.00	
DEC		54.70	1.80	7.22		3.95	0.63	0.54	1.35	1.35	1.04	0.00	0.00	0.31
	365				100.00							0.00	0.00	
SEASONAL TOTALS						70.74			54.40	54.40	32.55	0.00	0.00	21.84

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.10	2.36	7.35		4.13	0.69	0.50	1.42	1.42	1.31	0.00	0.00	0.12
	31				8.49							0.00	0.00	
FEB		54.70	3.11	7.05		3.86	0.63	0.58	1.40	1.40	1.38	0.00	0.00	0.03
	59				16.16							0.00	0.00	
MAR		66.40	3.10	8.37		5.56	0.83	0.73	3.40	3.40	1.86	0.00	0.00	1.54
	90				24.66							0.00	0.00	
APR		69.40	2.36	8.69		6.03	0.89	0.85	4.53	4.53	1.55	0.00	0.00	2.97
	120				32.88							0.00	0.00	
MAY		75.10	3.75	9.50		7.14	0.99	0.90	6.31	6.31	2.58	0.00	0.00	3.73
	151				41.37							0.00	0.00	
JUN		79.70	6.75	9.44		7.52	1.06	0.92	7.36	7.36	4.55	0.00	0.00	2.81
	181				49.59							0.00	0.00	
JUL		83.00	7.07	9.62		7.99	1.12	0.92	8.23	8.23	4.97	0.00	0.00	3.27
	212				58.08							0.00	0.00	
AUG		81.70	7.42	9.19		7.51	1.10	0.90	7.47	7.47	4.96	0.00	0.00	2.51
	243				66.58							0.00	0.00	
SEP		80.60	6.09	8.33		6.71	1.08	0.87	6.27	6.27	3.92	0.00	0.00	2.36
	273				74.79							0.00	0.00	
OCT		72.40	4.14	8.00		5.79	0.94	0.79	4.29	4.29	2.52	0.00	0.00	1.77
	304				83.29							0.00	0.00	
NOV		62.90	2.23	7.24		4.55	0.77	0.67	2.36	2.36	1.31	0.00	0.00	1.05
	334				91.51							0.00	0.00	
DEC		54.70	1.80	7.22		3.95	0.63	0.54	1.35	1.35	1.02	0.00	0.00	0.33
	365				100.00							0.00	0.00	
SEASONAL TOTALS						70.74			54.40	54.40	31.91	0.00	0.00	22.48

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	21.84	22.48
95	22.99	23.67
90	24.27	24.98
85	25.70	26.45
80	27.30	28.10
75	29.12	29.98
70	31.20	32.12
65	33.60	34.59
60	36.40	37.47
55	39.71	40.88
50	43.69	44.96

Vol. Co. - East

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT DAYTONA BEACH (E. VOLUSIA CTY) AS PER SCS

LATITUDE= 29 DEG 11 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 6/ 1
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 49.38 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	2.35	7.34		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.30	3.75	7.04		0.00	0.64	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.30	3.17	8.37		5.37	0.83	0.50	2.25	2.28	1.63	0.00	0.00	0.64
	90				32.61							0.00	0.00	
APR		68.80	2.70	8.69		5.98	0.88	0.80	4.17	4.22	1.62	0.00	0.00	2.60
	120				65.22							0.00	0.00	
MAY		74.90	2.30	9.51		7.12	0.98	0.66	4.58	4.63	1.44	0.00	0.00	3.19
	151				98.91							0.00	0.00	
JUN		79.20	5.67	9.45		0.25	1.06	0.38	0.10	0.10	0.10	0.00	0.00	0.00
	181				100.00							0.00	0.00	
JUL		82.80	5.71	9.63		0.00	1.12	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		82.10	5.19	9.19		0.00	1.11	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.30	7.45	8.33		0.00	1.08	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		72.70	6.31	8.00		0.00	0.94	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.30	2.85	7.23		0.00	0.82	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.00	1.93	7.21		0.00	0.67	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						18.72			11.11	11.23	4.79	0.00	0.00	6.44

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	6.44	7.16
95	6.78	7.54
90	7.15	7.96
85	7.57	8.43
80	8.05	8.95
75	8.58	9.55
70	9.20	10.23
65	9.91	11.02
60	10.73	11.94
55	11.71	13.02
50	12.88	14.33

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	2.35	7.34		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.30	3.75	7.04		0.00	0.64	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.30	3.17	8.37		5.37	0.83	0.50	2.25	2.28	1.39	0.00	0.00	0.89
	90				32.61							0.00	0.00	
APR		68.80	2.70	8.69		5.98	0.88	0.80	4.17	4.22	1.38	0.00	0.00	2.84
	120				65.22							0.00	0.00	
MAY		74.90	2.30	9.51		7.12	0.93	0.66	4.58	4.63	1.22	0.00	0.00	3.41
	151				98.91							0.00	0.00	
JUN		79.20	5.67	9.45		0.25	1.06	0.38	0.10	0.10	0.08	0.00	0.00	0.02
	181				100.00							0.00	0.00	
JUL		82.80	5.71	9.63		0.00	1.12	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		82.10	5.19	9.19		0.00	1.11	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.30	7.45	8.33		0.00	1.08	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		72.70	6.31	8.00		0.00	0.94	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.30	2.85	7.23		0.00	0.82	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.00	1.93	7.21		0.00	0.62	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						18.72			11.11	11.23	4.07	0.00	0.00	7.16

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT DAYTONA BEACH (E. VOLUSIA CTY) AS PER SCS

LATITUDE= 29 DEG 11 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 8/15
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 49.38 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	2.35	7.34		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.30	3.75	7.04		0.00	0.64	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.30	3.17	8.37		5.37	0.83	0.39	1.75	1.75	1.58	0.00	0.00	0.17
	90				17.96							0.00	0.00	
APR		68.80	2.70	8.69		5.98	0.88	0.65	3.42	3.42	1.55	0.00	0.00	1.86
	120				35.93							0.00	0.00	
MAY		74.90	2.30	9.51		7.12	0.98	0.79	5.54	5.54	1.52	0.00	0.00	4.03
	151				54.49							0.00	0.00	
JUN		79.20	5.67	9.45		7.48	1.06	0.81	6.40	6.40	3.50	0.00	0.00	2.90
	181				72.46							0.00	0.00	
JUL		82.80	5.71	9.63		7.97	1.12	0.69	6.12	6.12	3.47	0.00	0.00	2.65
	212				91.02							0.00	0.00	
AUG		82.10	5.19	9.19		3.65	1.11	0.46	1.87	1.87	1.36	0.00	0.00	0.50
	243				100.00							0.00	0.00	
SEP		80.30	7.45	8.33		0.00	1.08	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		72.70	6.31	8.00		0.00	0.94	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.30	2.85	7.23		0.00	0.82	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.00	1.93	7.21		0.00	0.67	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						37.58			25.10	25.10	12.99	0.00	0.00	12.11

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	2.35	7.34		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.30	3.75	7.04		0.00	0.64	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.30	3.17	8.37		5.37	0.83	0.39	1.75	1.75	1.34	0.00	0.00	0.41
	90				17.96							0.00	0.00	
APR		68.80	2.70	8.69		5.98	0.88	0.65	3.42	3.42	1.32	0.00	0.00	2.10
	120				35.93							0.00	0.00	
MAY		74.90	2.30	9.51		7.12	0.98	0.79	5.54	5.54	1.29	0.00	0.00	4.26
	151				54.49							0.00	0.00	
JUN		79.20	5.67	9.45		7.48	1.06	0.81	6.40	6.40	2.97	0.00	0.00	3.43
	181				72.46							0.00	0.00	
JUL		82.80	5.71	9.63		7.97	1.12	0.69	6.12	6.12	2.94	0.00	0.00	3.17
	212				91.02							0.00	0.00	
AUG		82.10	5.19	9.19		3.65	1.11	0.48	1.87	1.87	1.16	0.00	0.00	0.71
	243				100.00							0.00	0.00	
SEP		80.30	7.45	8.33		0.00	1.08	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		72.70	6.31	8.00		0.00	0.94	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.30	2.85	7.23		0.00	0.82	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.00	1.93	7.21		0.00	0.67	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						37.58			25.10	25.10	11.02	0.00	0.00	14.08

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	12.11	14.08
95	12.75	14.82
90	13.46	15.64
85	14.25	16.56
80	15.14	17.59
75	16.15	18.77
70	17.30	20.11
65	18.63	21.65
60	20.19	23.46
55	22.02	25.59
50	24.22	28.15

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT DAYTONA BEACH (E. VOLUSIA CTY) AS PER SCS

LATITUDE= 29 DEG 11 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 7/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.65 TO 0.70
ANNUAL RAINFALL= 49.38 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.20 SOYBEANS

SOYBEANS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	2.35	7.34		0.00	0.68	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.30	3.75	7.04		0.00	0.64	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.30	3.17	8.37		5.37	0.83	0.26	1.17	1.17	1.17	0.00	0.00	0.00
	90				21.43							0.00	0.00	
APR		68.80	2.70	8.69		5.98	0.88	0.45	2.35	2.35	1.58	0.00	0.00	0.77
	120				42.86							0.00	0.00	
MAY		74.90	2.30	9.51		7.12	0.98	0.80	5.60	5.60	1.64	0.00	0.00	3.95
	151				65.00							0.00	0.00	
JUN		79.20	5.67	9.45		7.48	1.06	0.95	7.54	7.54	4.04	0.00	0.00	3.50
	181				86.43							0.00	0.00	
JUL		82.80	5.71	9.63		3.86	1.12	0.74	3.21	3.21	1.87	0.00	0.00	1.34
	212				97.14							0.00	0.00	
AUG		82.10	5.19	9.19		0.00	1.11	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	243				97.14							0.00	0.00	
SEP		80.30	7.45	8.33		0.00	1.08	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	273				97.14							0.00	0.00	
OCT		72.70	6.31	8.00		0.00	0.94	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	304				97.14							0.00	0.00	
NOV		65.30	2.85	7.23		0.00	0.82	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	334				97.14							0.00	0.00	
DEC		57.00	1.93	7.21		0.00	0.67	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	365				97.14							0.00	0.00	
SEASONAL TOTALS						29.81			19.86	19.86	10.30	0.00	0.00	9.56

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	2.35	7.34		0.00	0.68	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.30	3.75	7.04		0.00	0.64	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.30	3.17	8.37		5.37	0.83	0.26	1.17	1.17	0.99	0.00	0.00	0.18
	90				21.43							0.00	0.00	
APR		68.50	2.70	8.69		5.98	0.88	0.45	2.35	2.35	1.34	0.00	0.00	1.01
	120				42.86							0.00	0.00	
MAY		74.90	2.30	9.51		7.12	0.98	0.80	5.60	5.60	1.40	0.00	0.00	4.20
	151				65.00							0.00	0.00	
JUN		79.20	5.67	9.45		7.48	1.06	0.95	7.54	7.54	3.43	0.00	0.00	4.11
	181				86.43							0.00	0.00	
JUL		82.30	5.71	9.63		3.86	1.12	0.74	3.21	3.21	1.58	0.00	0.00	1.62
	212				97.14							0.00	0.00	
AUG		82.10	5.19	9.19		0.00	1.11	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	243				97.14							0.00	0.00	
SEP		80.30	7.45	8.33		0.00	1.08	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	273				97.14							0.00	0.00	
OCT		72.70	6.31	8.00		0.00	0.94	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	304				97.14							0.00	0.00	
NOV		65.30	2.85	7.23		0.00	0.82	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	334				97.14							0.00	0.00	
DEC		57.00	1.93	7.21		0.00	0.67	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	365				97.14							0.00	0.00	
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SEASONAL TOTALS						29.81			19.86	19.86	8.74	0.00	0.00	11.12

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	9.56	11.12
95	10.06	11.70
90	10.62	12.35
85	11.25	13.08
80	11.95	13.90
75	12.75	14.82
70	13.66	15.88
65	14.71	17.10
60	15.93	18.53
55	17.38	20.21
50	19.12	22.24

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT DAYTONA BEACH (E. VOLUSIA CTY) AS PER SCS

LATITUDE= 29 DEG 11 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.75 TO 0.85
ANNUAL RAINFALL= 49.38 INCHES
PERCENT CHANCE RAINFALL=50.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.17 PASTURE GRASSES

PASTURE

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	2.35	7.34		4.10	0.68	0.50	1.40	1.40	1.33	0.00	0.00	0.07
	31				8.49							0.00	0.00	
FEB		55.30	3.75	7.04		3.90	0.64	0.58	1.44	1.44	1.44	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		66.30	3.17	8.37		5.55	0.83	0.73	3.39	3.39	1.93	0.00	0.00	1.45
	90				24.66							0.00	0.00	
APR		68.80	2.70	8.69		5.98	0.88	0.85	4.44	4.44	1.78	0.00	0.00	2.66
	120				32.88							0.00	0.00	
MAY		74.90	2.30	9.51		7.12	0.98	0.90	6.28	6.28	1.71	0.00	0.00	4.57
	151				41.37							0.00	0.00	
JUN		79.20	5.67	9.45		7.48	1.06	0.92	7.26	7.26	3.97	0.00	0.00	3.29
	181				49.59							0.00	0.00	
JUL		82.80	5.71	9.63		7.97	1.12	0.92	8.19	8.19	4.21	0.00	0.00	3.98
	212				58.08							0.00	0.00	
AUG		82.10	5.19	9.19		7.55	1.11	0.90	7.55	7.55	3.74	0.00	0.00	3.81
	243				66.58							0.00	0.00	
SEP		80.30	7.45	8.33		6.69	1.08	0.87	6.22	6.22	4.73	0.00	0.00	1.49
	273				74.79							0.00	0.00	
OCT		72.70	6.31	8.00		5.81	0.94	0.79	4.33	4.33	3.70	0.00	0.00	0.63
	304				83.29							0.00	0.00	
NOV		65.30	2.85	7.23		4.72	0.82	0.67	2.58	2.58	1.68	0.00	0.00	0.90
	334				91.51							0.00	0.00	
DEC		57.00	1.93	7.21		4.11	0.67	0.54	1.50	1.50	1.12	0.00	0.00	0.38
	365				100.00							0.00	0.00	
SEASONAL TOTALS						70.99			54.57	54.57	31.34	0.00	0.00	23.23

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	2.35	7.34		4.10	0.68	0.50	1.40	1.40	1.30	0.00	0.00	0.10
	31				8.49							0.00	0.00	
FEB		55.30	3.75	7.04		3.90	0.64	0.58	1.44	1.44	1.41	0.00	0.00	0.03
	59				16.16							0.00	0.00	
MAR		66.30	3.17	8.37		5.55	0.83	0.73	3.39	3.39	1.89	0.00	0.00	1.49
	90				24.66							0.00	0.00	
APR		68.80	2.70	8.69		5.98	0.88	0.85	4.44	4.44	1.74	0.00	0.00	2.70
	120				32.88							0.00	0.00	
MAY		74.90	2.30	9.51		7.12	0.98	0.90	6.28	6.28	1.67	0.00	0.00	4.61
	151				41.37							0.00	0.00	
JUN		79.20	5.67	9.45		7.48	1.06	0.92	7.26	7.26	3.89	0.00	0.00	3.37
	181				49.59							0.00	0.00	
JUL		82.80	5.71	9.63		7.97	1.12	0.92	8.19	8.19	4.13	0.00	0.00	4.07
	212				58.08							0.00	0.00	
AUG		82.10	5.19	9.19		7.55	1.11	0.90	7.55	7.55	3.67	0.00	0.00	3.88
	243				66.58							0.00	0.00	
SEP		80.30	7.45	8.33		6.69	1.08	0.87	6.22	6.22	4.64	0.00	0.00	1.58
	273				74.79							0.00	0.00	
OCT		72.70	6.31	8.00		5.81	0.94	0.79	4.33	4.33	3.62	0.00	0.00	0.70
	304				83.29							0.00	0.00	
NOV		65.30	2.85	7.23		4.72	0.82	0.67	2.58	2.58	1.65	0.00	0.00	0.93
	334				91.51							0.00	0.00	
DEC		57.00	1.93	7.21		4.11	0.67	0.54	1.50	1.50	1.09	0.00	0.00	0.40
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						70.99			54.57	54.57	30.72	0.00	0.00	23.85

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	23.23	23.85
95	24.45	25.11
90	25.81	26.51
85	27.33	28.06
80	29.03	29.82
75	30.97	31.81
70	33.18	34.08
65	35.73	36.70
60	38.71	39.76
55	42.23	43.37
50	46.46	47.71

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT DAYTONA BEACH (E. VOLUSIA CTY) AS PER SCS

LATITUDE= 29 DEG 11 MIN
PLANTING DATE= 3/15 HARVEST DATE= 6/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 49.38 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.15 MELONS & CANTALOUPES

MELONS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	2.35	7.34		0.00	0.68	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.30	3.75	7.04		0.00	0.64	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.30	3.17	8.37		2.86	0.83	0.47	1.13	1.13	0.93	0.00	0.00	0.20
	90				17.39							0.00	0.00	
APR		68.80	2.70	8.69		5.98	0.88	0.69	3.60	3.60	1.70	0.00	0.00	1.90
	120				50.00							0.00	0.00	
MAY		74.90	2.30	9.51		7.12	0.98	0.78	5.45	5.45	1.63	0.00	0.00	3.82
	151				83.70							0.00	0.00	
JUN		79.20	5.67	9.45		3.74	1.06	0.70	2.76	2.76	1.80	0.00	0.00	0.96
	181				100.00							0.00	0.00	
JUL		82.80	5.71	9.63		0.00	1.12	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		82.10	5.19	9.19		0.00	1.11	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.30	7.45	8.33		0.00	1.08	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		72.70	6.31	8.00		0.00	0.94	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.30	2.85	7.23		0.00	0.82	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.00	1.93	7.21		0.00	0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						19.71			12.95	12.95	6.06	0.00	0.00	6.89

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT DAYTONA BEACH (E. VOLUSIA CTY) AS PER SCS

LATITUDE= 29 DEG 11 MIN
PLANTING DATE= 3/15 HARVEST DATE= 6/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 49.38 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.15 MELONS & CANTALOUPES

MELONS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	2.35	7.34		0.00	0.68	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.30	3.75	7.04		0.00	0.64	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.30	3.17	8.37		2.86	0.83	0.47	1.13	1.13	0.93	0.00	0.00	0.20
	90				17.39							0.00	0.00	
APR.		68.80	2.70	8.69		5.98	0.88	0.69	3.60	3.60	1.70	0.00	0.00	1.90
	120				50.00							0.00	0.00	
MAY		74.90	2.30	9.51		7.12	0.98	0.78	5.45	5.45	1.63	0.00	0.00	3.82
	151				83.70							0.00	0.00	
JUN		79.20	5.67	9.45		3.74	1.06	0.70	2.76	2.76	1.80	0.00	0.00	0.96
	181				100.00							0.00	0.00	
JUL		82.80	5.71	9.63		0.00	1.12	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		82.10	5.19	9.19		0.00	1.11	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.30	7.45	8.33		0.00	1.08	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		72.70	6.31	8.00		0.00	0.94	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.30	2.85	7.23		0.00	0.82	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.00	1.93	7.21		0.00	0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						19.71			12.95	12.95	6.06	0.00	0.00	6.89

****

NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	2.35	7.34		0.00	0.68	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		55.30	3.75	7.04		0.00	0.64	0.44	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.30	3.17	8.37		2.86	0.83	0.47	1.13	1.13	0.79	0.00	0.00	0.34
	90				17.39							0.00	0.00	
APR		68.80	2.70	8.69		5.98	0.88	0.69	3.60	3.60	1.44	0.00	0.00	2.16
	120				50.00							0.00	0.00	
MAY		74.90	2.30	9.51		7.12	0.98	0.78	5.45	5.45	1.38	0.00	0.00	4.07
	151				83.70							0.00	0.00	
JUN		79.20	5.67	9.45		3.74	1.06	0.70	2.76	2.76	1.53	0.00	0.00	1.23
	181				100.00							0.00	0.00	
JUL		82.80	5.71	9.63		0.00	1.12	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		82.10	5.19	9.19		0.00	1.11	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.30	7.45	8.33		0.00	1.08	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		72.70	6.31	8.00		0.00	0.94	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		65.30	2.85	7.23		0.00	0.82	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		57.00	1.93	7.21		0.00	0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						19.71			12.95	12.95	5.15	0.00	0.00	7.80

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	6.89	7.80
95	7.25	8.21
90	7.65	8.67
85	8.10	9.18
80	8.61	9.75
75	9.18	10.40
70	9.84	11.15
65	10.59	12.00
60	11.48	13.00
55	12.52	14.19
50	13.77	15.61

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT DAYTONA BEACH (E. VOLUSIA CTY) AS PER SCS

LATITUDE= 29 DEG 11 MIN
PLANTING DATE= 1/ 1 HARVEST DATE= 12/31
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.45 TO 0.55
ANNUAL RAINFALL= 49.38 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.10 CITRUS

CITRUS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	2.35	7.34		4.10	0.68	0.64	1.78	1.51	1.33	0.00	0.00	0.18
	31				8.49							0.00	0.00	
FEB		55.30	3.75	7.04		3.90	0.64	0.65	1.64	1.39	1.39	0.00	0.00	0.00
	59				16.16							0.00	0.00	
MAR		66.30	3.17	8.37		5.55	0.83	0.67	3.11	2.64	1.85	0.00	0.00	0.79
	90				24.66							0.00	0.00	
APR		68.80	2.70	8.69		5.98	0.88	0.70	3.65	3.10	1.65	0.00	0.00	1.45
	120				32.88							0.00	0.00	
MAY		74.90	2.30	9.51		7.12	0.98	0.70	4.90	4.16	1.52	0.00	0.00	2.64
	151				41.37							0.00	0.00	
JUN		79.20	5.67	9.45		7.48	1.06	0.71	5.60	4.75	3.45	0.00	0.00	1.30
	181				49.59							0.00	0.00	
JUL		82.80	5.71	9.63		7.97	1.12	0.71	6.33	5.38	3.60	0.00	0.00	1.78
	212				58.08							0.00	0.00	
AUG		82.10	5.19	9.19		7.55	1.11	0.71	5.89	5.00	3.25	0.00	0.00	1.75
	243				66.58							0.00	0.00	
SEP		80.30	7.45	8.33		6.69	1.08	0.70	5.01	4.26	4.24	0.00	0.00	0.01
	273				74.79							0.00	0.00	
OCT		72.70	6.31	8.00		5.81	0.94	0.68	3.74	3.18	3.18	0.00	0.00	0.00
	304				83.29							0.00	0.00	
NOV		65.30	2.85	7.23		4.72	0.82	0.66	2.56	2.17	1.64	0.00	0.00	0.53
	334				91.51							0.00	0.00	
DEC		57.00	1.93	7.21		4.11	0.67	0.64	1.77	1.50	1.12	0.00	0.00	0.38
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						70.99			45.98	39.04	28.22	0.00	0.00	10.82

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		57.70	2.35	7.34		4.10	0.68	0.64	1.78	1.51	1.13	0.00	0.00	0.38
	31				8.49							0.00	0.00	
FEB		55.30	3.75	7.04		3.90	0.64	0.65	1.64	1.39	1.18	0.00	0.00	0.21
	59				16.16							0.00	0.00	
MAR		66.30	3.17	8.37		5.55	0.83	0.67	3.11	2.64	1.57	0.00	0.00	1.07
	90				24.66							0.00	0.00	
APR		68.80	2.70	8.69		5.98	0.88	0.70	3.65	3.10	1.40	0.00	0.00	1.70
	120				32.88							0.00	0.00	
MAY		74.90	2.30	9.51		7.12	0.98	0.70	4.90	4.16	1.29	0.00	0.00	2.87
	151				41.37							0.00	0.00	
JUN		79.20	5.67	9.45		7.48	1.06	0.71	5.60	4.75	2.93	0.00	0.00	1.82
	181				49.59							0.00	0.00	
JUL		82.80	5.71	9.63		7.97	1.12	0.71	6.33	5.38	3.05	0.00	0.00	2.32
	212				58.08							0.00	0.00	
AUG		82.10	5.19	9.19		7.55	1.11	0.71	5.89	5.00	2.75	0.00	0.00	2.24
	243				66.58							0.00	0.00	
SEP		80.30	7.45	8.33		6.69	1.08	0.70	5.01	4.26	3.60	0.00	0.00	0.66
	273				74.79							0.00	0.00	
OCT		72.70	6.31	8.00		5.81	0.94	0.68	3.74	3.18	2.70	0.00	0.00	0.48
	304				83.29							0.00	0.00	
NOV		65.30	2.85	7.23		4.72	0.82	0.66	2.56	2.17	1.40	0.00	0.00	0.78
	334				91.51							0.00	0.00	
DEC		57.00	1.93	7.21		4.11	0.67	0.64	1.77	1.50	0.95	0.00	0.00	0.55
	365				100.00							0.00	0.00	
SEASONAL TOTALS						70.99			45.98	39.04	23.96	0.00	0.00	15.09

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	10.82	15.09
95	11.39	15.88
90	12.02	16.76
85	12.73	17.75
80	13.52	18.86
75	14.43	20.12
70	15.46	21.55
65	16.64	23.21
60	18.03	25.15
55	19.67	27.43
50	21.64	30.18

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JUL		82.80	5.71	9.63		0.00	1.12	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
AUG		82.10	5.19	9.63		0.00	1.11	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	62				0.00							0.00	0.00	
SEP		80.30	7.45	9.63		0.00	1.08	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	92				0.00							0.00	0.00	
OCT		72.70	6.31	9.63		0.00	0.94	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	123				0.00							0.00	0.00	
NOV		65.30	2.85	9.63		0.00	0.82	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	153				0.00							0.00	0.00	
DEC		57.00	1.93	9.63		0.00	0.67	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	184				0.00							0.00	0.00	
JAN		57.70	2.35	9.63		0.00	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	215				0.00							0.00	0.00	
FEB		55.30	3.75	9.19		2.36	0.64	0.39	0.59	0.65	0.55	0.00	0.00	0.10
	243				17.33							0.00	0.00	
MAR		66.30	3.17	8.33		5.52	0.83	0.73	3.37	3.75	1.55	0.00	0.00	2.20
	274				58.67							0.00	0.00	
APR		68.80	2.70	8.00		5.50	0.88	0.68	3.29	3.66	1.34	0.00	0.00	2.32
	304				98.67							0.00	0.00	
MAY		74.90	2.30	7.23		0.17	0.98	0.38	0.07	0.07	0.03	0.00	0.00	0.04
	335				100.00							0.00	0.00	
JUN		79.20	5.67	7.21		0.00	1.06	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						13.56			7.32	8.14	3.47	0.00	0.00	4.66

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	4.04	4.66
95	4.26	4.91
90	4.49	5.18
85	4.76	5.49
80	5.06	5.83
75	5.39	6.22
70	5.78	6.66
65	6.22	7.17
60	6.74	7.77
55	7.35	8.48
50	8.09	9.33

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT DELAND (W. VOLUSIA CTY) AS PER SCS

LATITUDE= 29 DEG 1 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 7/15
NORMAL NET IRRIGATION= 2.00 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.65 TO 0.70
ANNUAL RAINFALL= 50.18 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.20 SOYBEANS

SOYBEANS

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.10	2.36	7.35		0.00	0.69	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.70	3.11	7.05		0.00	0.63	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.40	3.10	8.37		5.38	0.83	0.26	1.18	1.18	1.18	0.00	0.00	0.00
	90				21.43							0.00	0.00	
APR		69.40	2.36	8.69		6.03	0.89	0.45	2.40	2.40	1.41	0.00	0.00	0.99
	120				42.86							0.00	0.00	
MAY		75.10	3.75	9.50		7.14	0.99	0.80	5.63	5.63	2.54	0.00	0.00	3.09
	151				65.00							0.00	0.00	
JUN		79.70	6.75	9.44		7.52	1.06	0.95	7.64	7.64	4.71	0.00	0.00	2.93
	181				86.43							0.00	0.00	
JUL		83.00	7.07	9.62		3.86	1.12	0.74	3.22	3.22	2.24	0.00	0.00	0.98
	212				97.14							0.00	0.00	
AUG		81.70	7.42	9.19		0.00	1.10	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	243				97.14							0.00	0.00	
SEP		80.60	6.09	8.33		0.00	1.08	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	273				97.14							0.00	0.00	
OCT		72.40	4.14	8.00		0.00	0.94	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	304				97.14							0.00	0.00	
NOV		62.90	2.23	7.24		0.00	0.77	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	334				97.14							0.00	0.00	
DEC		54.70	1.80	7.22		0.00	0.63	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	365				97.14							0.00	0.00	
SEASONAL TOTALS						29.93			20.06	20.06	12.08	0.00	0.00	7.98

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NET IRRIGATION REQUIREMENTS,DRY YEARS

****

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.10	2.36	7.35		0.00	0.69	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.70	3.11	7.05		0.00	0.63	0.18	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.40	3.10	8.37		5.38	0.83	0.26	1.18	1.18	1.00	0.00	0.00	0.18
	90				21.43							0.00	0.00	
APR		69.40	2.36	8.69		6.03	0.89	0.45	2.40	2.40	1.20	0.00	0.00	1.20
	120				42.86							0.00	0.00	
MAY		75.10	3.75	9.50		7.14	0.99	0.80	5.63	5.63	2.16	0.00	0.00	3.47
	151				65.00							0.00	0.00	
JUN		79.70	6.75	9.44		7.52	1.06	0.95	7.64	7.64	4.01	0.00	0.00	3.63
	181				86.43							0.00	0.00	
JUL		83.00	7.07	9.62		3.86	1.12	0.74	3.22	3.22	1.91	0.00	0.00	1.31
	212				97.14							0.00	0.00	
AUG		81.70	7.42	9.19		0.00	1.10	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	243				97.14							0.00	0.00	
SEP		80.60	6.09	8.33		0.00	1.08	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	273				97.14							0.00	0.00	
OCT		72.40	4.14	8.00		0.00	0.94	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	304				97.14							0.00	0.00	
NOV		62.90	2.23	7.24		0.00	0.77	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	334				97.14							0.00	0.00	
DEC		54.70	1.80	7.22		0.00	0.63	0.69	0.00	0.00	0.00	0.00	0.00	0.00
	365				97.14							0.00	0.00	
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EASONAL TOTALS						29.93			20.06	20.06	10.27	0.00	0.00	9.79

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	7.98	9.79
95	8.40	10.31
90	8.87	10.88
85	9.39	11.52
80	9.98	12.24
75	10.65	13.06
70	11.41	13.99
65	12.28	15.06
60	13.31	16.32
55	14.52	17.80
50	15.97	19.58

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT DELAND (W. VOLUSIA CTY) AS PER SCS

LATITUDE= 29 DEG 1 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 8/15
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 50.18 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

DN	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
AN		58.10	2.36	7.35		0.00	0.69	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
EB		54.70	3.11	7.05		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
AR		66.40	3.10	8.37		5.38	0.83	0.39	1.76	1.76	1.55	0.00	0.00	0.21
	90				17.96							0.00	0.00	
PR		69.40	2.36	8.69		6.03	0.89	0.65	3.49	3.49	1.38	0.00	0.00	2.10
	120				35.93							0.00	0.00	
AY		75.10	3.75	9.50		7.14	0.99	0.79	5.57	5.57	2.34	0.00	0.00	3.23
	151				54.49							0.00	0.00	
UN		79.70	6.75	9.44		7.52	1.06	0.81	6.49	6.49	4.09	0.00	0.00	2.40
	181				72.46							0.00	0.00	
UL		83.00	7.07	9.62		7.99	1.12	0.69	6.14	6.14	4.17	0.00	0.00	1.97
	212				91.02							0.00	0.00	
UG		81.70	7.42	9.19		3.63	1.10	0.46	1.85	1.85	1.85	0.00	0.00	0.00
	243				100.00							0.00	0.00	
EP		80.60	6.09	8.33		0.00	1.08	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
CT		72.40	4.14	8.00		0.00	0.94	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
OV		62.90	2.23	7.24		0.00	0.77	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
EC		54.70	1.80	7.22		0.00	0.63	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
ASONAL TOTALS						37.69			25.30	25.30	15.38	0.00	0.00	9.92

NET IRRIGATION REQUIREMENTS,DRY YEARS

ON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMA	SOME	XIRM
	0				0.00							0.00	0.00	
AN		58.10	2.36	7.35		0.00	0.69	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FB		54.70	3.11	7.05		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
AR		66.40	3.10	8.37		5.38	0.83	0.39	1.76	1.76	1.32	0.00	0.00	0.44
	90				17.96							0.00	0.00	
PR		69.40	2.36	8.69		6.03	0.89	0.65	3.49	3.49	1.18	0.00	0.00	2.31
	120				35.93							0.00	0.00	
AY		75.10	3.75	9.50		7.14	0.99	0.79	5.57	5.57	1.99	0.00	0.00	3.58
	151				54.49							0.00	0.00	
UN		79.70	6.75	9.44		7.52	1.06	0.81	6.49	6.49	3.47	0.00	0.00	3.02
	181				72.46							0.00	0.00	
UL		83.00	7.07	9.62		7.99	1.12	0.69	6.14	6.14	3.54	0.00	0.00	2.60
	212				91.02							0.00	0.00	
UG		81.70	7.42	9.19		3.63	1.10	0.46	1.85	1.85	1.57	0.00	0.00	0.28
	243				100.00							0.00	0.00	
EP		80.60	6.09	8.33		0.00	1.08	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
CT		72.40	4.14	8.00		0.00	0.94	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
OV		62.90	2.23	7.24		0.00	0.77	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
EC		54.70	1.80	7.22		0.00	0.63	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
ASONAL TOTALS						37.69			25.30	25.30	13.07	0.00	0.00	12.22

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	9.92	12.22
95	10.44	12.87
90	11.02	13.58
85	11.67	14.38
80	12.40	15.28
75	13.23	16.30
70	14.17	17.46
65	15.26	18.80
60	16.54	20.37
55	18.04	22.22
50	19.84	24.45

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT DELAND (W. VOLUSIA CTY) AS PER SCS

LATITUDE= 29 DEG 1 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 6/ 1
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 50.18 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.10	2.36	7.35		0.00	0.69	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.70	3.11	7.05		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.40	3.10	8.37		5.38	0.83	0.50	2.26	2.27	1.60	0.00	0.00	0.67
	90				32.61							0.00	0.00	
APR		69.40	2.36	8.69		6.03	0.89	0.80	4.28	4.28	1.45	0.00	0.00	2.83
	120				65.22							0.00	0.00	
MAY		75.10	3.75	9.50		7.14	0.99	0.66	4.61	4.63	2.22	0.00	0.00	2.41
	151				98.91							0.00	0.00	
JUN		79.70	6.75	9.44		0.25	1.06	0.38	0.10	0.10	0.10	0.00	0.00	0.00
	181				100.00							0.00	0.00	
JUL		83.00	7.07	9.62		0.00	1.12	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		81.70	7.42	9.19		0.00	1.10	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.60	6.09	8.33		0.00	1.08	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		72.40	4.14	8.00		0.00	0.94	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.90	2.23	7.24		0.00	0.77	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.70	4.80	7.22		0.00	0.63	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						18.80			11.23	11.28	5.37	0.00	0.00	5.91

NET IRRIGATION REQUIREMENTS,DRY YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.10	2.36	7.35		0.00	0.69	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.70	3.11	7.05		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.40	3.10	8.37		5.38	0.83	0.50	2.26	2.27	1.36	0.00	0.00	0.91
	90				32.61							0.00	0.00	
APR		69.40	2.36	8.69		6.03	0.89	0.80	4.26	4.28	1.23	0.00	0.00	3.05
	120				65.22							0.00	0.00	
MAY		75.10	3.75	9.50		7.14	0.99	0.66	4.61	4.63	1.89	0.00	0.00	2.74
	151				98.91							0.00	0.00	
JUN		79.70	6.75	9.44		0.25	1.06	0.38	0.10	0.10	0.09	0.00	0.00	0.02
	181				100.00							0.00	0.00	
JUL		83.00	7.07	9.62		0.00	1.12	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	212				100.00							0.00	0.00	
AUG		81.70	7.42	9.19		0.00	1.10	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.60	6.09	8.33		0.00	1.08	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		72.40	4.14	8.00		0.00	0.94	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.90	2.23	7.24		0.00	0.77	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.70	1.80	7.22		0.00	0.63	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						18.80			11.23	11.28	4.56	0.00	0.00	6.71

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GROSS IRRIGATION REQUIREMENTS, SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	5.91	6.71
95	6.22	7.07
90	6.57	7.46
85	6.95	7.90
80	7.39	8.39
75	7.88	8.95
70	8.44	9.59
65	9.09	10.33
60	9.85	11.19
55	10.75	12.21
50	11.82	13.43

IRRIGATION REQUIREMENTS FOR CROP PRODUCTION
AT DELAND (W. VOLUSIA CTY) AS PER SCS

LATITUDE= 29 DEG 1 MIN
PLANTING DATE= 3/ 1 HARVEST DATE= 8/ 1
NORMAL NET IRRIGATION= 1.50 INCHES
CARRYOVER= 0.00 INCHES
SEASONAL CU(K)= 0.60 TO 0.70
ANNUAL RAINFALL= 50.18 INCHES
PERCENT CHANCE RAINFALL=80.00
CROP GROWTH STAGE COEFFICIENT FIG. NO.22 VEGETABLES,SMALL

VEGETABLES

NET IRRIGATION REQUIREMENTS,NORMAL YEARS

MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.10	2.36	7.35		0.00	0.69	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.70	3.11	7.05		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.40	3.10	8.37		5.38	0.83	0.41	1.82	1.82	1.56	0.00	0.00	0.26
	90				19.61							0.00	0.00	
APR		69.40	2.36	8.69		6.03	0.89	0.68	3.63	3.63	1.39	0.00	0.00	2.24
	120				39.22							0.00	0.00	
MAY		75.10	3.75	9.50		7.14	0.99	0.81	5.66	5.66	2.35	0.00	0.00	3.31
	151				59.48							0.00	0.00	
JUN		79.70	6.75	9.44		7.52	1.06	0.79	6.31	6.31	4.04	0.00	0.00	2.26
	181				79.08							0.00	0.00	
JUL		83.00	7.07	9.62		7.99	1.12	0.57	5.14	5.14	3.94	0.00	0.00	1.20
	212				99.35							0.00	0.00	
AUG		81.70	7.42	9.19		0.24	1.10	0.38	0.10	0.10	0.10	0.00	0.00	0.00
	243				100.00							0.00	0.00	
SEP		80.60	6.09	8.33		0.00	1.08	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		72.40	4.14	8.00		0.00	0.94	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.90	2.23	7.24		0.00	0.77	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.70	1.80	7.22		0.00	0.63	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
SEASONAL TOTALS						34.30			22.66	22.66	13.39	0.00	0.00	9.27

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NET IRRIGATION REQUIREMENTS,DRY YEARS

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MON	DAYS	TEMP	RT	LITE	GRO	F	KT	KC	UMON	UMONA	RE	SOMB	SOME	XIRM
	0				0.00							0.00	0.00	
JAN		58.10	2.36	7.35		0.00	0.69	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	31				0.00							0.00	0.00	
FEB		54.70	3.11	7.05		0.00	0.63	0.29	0.00	0.00	0.00	0.00	0.00	0.00
	59				0.00							0.00	0.00	
MAR		66.40	3.10	8.37		5.38	0.83	0.41	1.82	1.82	1.33	0.00	0.00	0.49
	90				19.61							0.00	0.00	
APR		69.40	2.36	8.69		6.03	0.89	0.68	3.63	3.63	1.19	0.00	0.00	2.44
	120				39.22							0.00	0.00	
MAY		75.10	3.75	9.50		7.14	0.99	0.81	5.66	5.66	2.00	0.00	0.00	3.66
	151				59.48							0.00	0.00	
JUN		79.70	6.75	9.44		7.52	1.06	0.79	6.31	6.31	3.44	0.00	0.00	2.87
	181				79.08							0.00	0.00	
JUL		83.00	7.07	9.62		7.99	1.12	0.57	5.14	5.14	3.35	0.00	0.00	1.79
	212				99.35							0.00	0.00	
AUG		81.70	7.42	9.19		0.24	1.10	0.38	0.10	0.10	0.09	0.00	0.00	0.02
	243				100.00							0.00	0.00	
SEP		80.60	6.09	8.33		0.00	1.08	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	273				100.00							0.00	0.00	
OCT		72.40	4.14	8.00		0.00	0.94	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	304				100.00							0.00	0.00	
NOV		62.90	2.23	7.24		0.00	0.77	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	334				100.00							0.00	0.00	
DEC		54.70	1.80	7.22		0.00	0.63	0.37	0.00	0.00	0.00	0.00	0.00	0.00
	365				100.00							0.00	0.00	
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SEASONAL TOTALS						34.30			22.66	22.66	11.39	0.00	0.00	11.27

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GROSS IRRIGATION REQUIREMENTS,SEASONAL TOTALS

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EFFICIENCY	NORMAL	DRY
100	9.27	11.27
95	9.76	11.86
90	10.30	12.52
85	10.90	13.26
80	11.58	14.09
75	12.36	15.03
70	13.24	16.10
65	14.26	17.34
60	15.45	18.79
55	16.85	20.49
50	18.53	22.54