1990 Weather Data

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Alabama Agricultural Experiment Station
Auburn University
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Auburn University, Alabama
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DATA COMPILED BY
U.S. DEPARTMENT OF COMMERCE
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CLIMATOLOGICAL PUBLICATIONS FOR AUBURN, ALABAMA, AND THE STATE OF ALABAMA

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5	GROWING DEGREE DAYS FOR ALABAMA
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28	1988 ALA. AG. EXPERIMENT STATION WEATHER DATA
29	1989 ALA. AG. EXPERIMENT STATION WEATHER DATA
30	1990 ALA. AG. EXPERIMENT STATION WEATHER DATA

Other Publications of Interest:

AAES Circular June 1976	Climatic Estimates for the E.V.Smith Research Center
ESSC Special Report	Alabama Daily Temperature Normals
AAES Bulletin 477	An Atlas and Tables of Thunderstorm Probabilities in the Southeast
AAES Bulletin 517	Climatic Features and Length of Growing Season in Alabama

1990 WEATHER SUMMARY FOR THE STATE OF ALABAMA

ANNUAL SUMMARY. ..

The weather for the year was warmer than normal. The average annual temperatures were 2 to 4 degrees above normal. During January, February, and March, the average monthly temperatures were as much as 4 to 9 degrees above normal. Temperatures finally were 1 to 4 degrees below normal in April and May but then continued to average 1 to 4 degrees above normal for the remainder of the year. Temperatures between 100 and 104 occurred in the State during July, August, and September. Only the extreme northeast and coastal areas of Alabama failed to reach the century mark during the year. The coldest lows were in the teens north to low and middle 20's central and south during December. Rainfall was plentiful from January through March, with monthly totals some 1 to 4 inches above normal. Flooding occurred across the south during March. Extended dry periods occurred in April with below normal rainfall. The below normal rain amounts continued in the eastern counties during May, with near normal totals elsewhere over the State. The rain pattern became mixed in June, with many locations recording below normal rain but local areas recording about normal amounts. Below normal rainfall set in across the State in July and continued through the remainder of the year. September was a particularly dry month. Flooding occurred over the Tennessee Valley just prior to Christmas. The number of rain days ranged from 110 to 125 over the north to less than 90 days across the Wiregrass area of the southeast. On an annual basis, the rain totals were 65 to 70 inches in the northern third of the State, about 15 inches above normal. Southeast Alabama reported 40 to 45 inches of rain during the year, which was 10 to 15 inches below normal, while in the southwest annual totals were 50 to 60 inches, which was 2 to 6 inches below normal. No tropical storm system became a threat to the State.

MONTHLY HIGHLIGHTS...

The average monthly temperatures for January were 4 to 9 degrees above normal. Daily highs reached around 70 across the Tennessee Valley to the middle and upper 70's central and south. The coldest lows reached the low 20's over most of the State except for around 30 along the coast and some teens in colder areas of the north. Rain was reported on 10 to 15 days during the month with most totals between 7 and 10 inches, which was 2 to 4 inches above normal.

February continued the trend of temperature well above normal. Daily highs reached the low and mid 70's across the Tennessee Valley to near 80 central and south. Nighttime temperatures only fell to the low and middle 20's in the extreme north with generally low 30's central and south to upper 30's near the coast. Rain was reported on 10 to 17 days, with totals generally between 7 and 10

inches, which was 1 to 4 inches above normal. Most locations had received 150 to over 200 percent of normal rainfall for the calendar year.

The above normal temperatures continued in March while rain amounts ranged from above normal over all but the southeast, which received below normal rain amounts. The average temperatures were 2 to 5 degrees above normal, with highs in the low 80's north to middle 80's elsewhere. The coldest lows were in the middle 20's north, with low 20's in colder locations, to around freezing over the remainder of the State. Precipitation was reported on 11 to 14 days across the north and 6 to 8 days central and south. Rain totals in the extreme southwest were 5 to 11 inches above normal, with the 12- and 17-inch totals causing flooding. In the southeast most totals were under 5 inches, which was about an inch below normal. Over the remainder of the State, rain totals varied from 7 to 10 inches, which was 1 to 2 inches above normal. At the end of the month, the annual totals were around 100 percent of normal in the southeast, 180 to over 200 percent in the extreme southwest, and generally 130 to 170 percent elsewhere.

April brought a change with below normal temperatures and rainfall. Highs warmed to the middle 80's over the State, with lows in the upper 20's north to around 40 along the coast. The average monthly temperatures were 2 to 4 degrees below normal. Rain was reported on 5 to 10 days during the month, with totals of 2 to 5 inches. These totals were 1 to 3 inches below normal. The annual rain totals were around 95 percent of normal in the southeast and 100 to 150 percent in the remainder of the State.

Temperatures continued 1 to 3 degrees below normal at most locations during May, with rain amounts near normal over most of Alabama. Afternoon highs in the upper 80's were common in the north and near the coast, with middle 90's elsewhere. Lows only cooled to around 40 in the north to low 50's in Mobile and Baldwin counties. Rain fell on 9 to 17 days in the north and 6 to 10 days central and south. In general, the rain totals were between 4 and 6 inches and near normal, with a few local areas recording over 8 inches. The main exception was along the extreme eastern counties where rain totals were under 4 inches and slightly below normal. In the extreme southeast, the annual totals were near 90 percent of normal, while in the rest of Alabama they remained at 100 to 130 percent.

Most reporting stations had average monthly temperatures 1 to 2 degrees above normal during June. Extreme highs reached the upper 90's, with 100 reported at Pinson and Brewton. The coolest lows for the month were around 50 degrees in the Tennessee Valley and ranged to the mid-60s near the coast. June rain totals varied over a wide range, with rain recorded on only 5 to 7 days during the month. A majority of locations recorded 1 to 2 inches for the month, which was 1 to 4 inches below normal, while local areas had totals

between 5 and 7 inches which ranged up to 3 inches above normal. The area in the southeast with annual totals below 100 percent of normal became larger during the month, with not much change in annual figures elsewhere.

Average temperatures for July were around normal. However, extreme highs reached 100 to 102 degrees over all but the coastal areas where highs in the upper 90's were recorded. The extreme lows for July ranged from middle 50's in the Tennessee Valley to upper 60's in the extreme southwest. Seven to 13 days during the month had rain. Monthly totals between 3 and 4 inches were typical, with some local areas reporting over 5 inches. Most monthly totals were 1 to 2 inches below normal. The percent of normal for the annual totals remained unchanged.

August was noted for the above normal temperatures and below normal rainfall. The warmest highs reached the century mark over all of the State except for upper 90s near the coast and extreme northeast. Lows reached the upper 50's in the north and central areas during the month with middle 60's south. The average monthly temperatures were 1 to 3 degrees above normal. Rain was reported on 5 to 8 days except for the extreme southeast where rain was reported on 10 days. The 1- to 3-inch totals over the State were 1 to 4 inches below normal for the month. The annual totals in the southeast stood at 74 to 94 percent of normal and slid down to near 100 percent of normal in the remainder of Alabama.

The warm weather continued in September and it was particularly dry. Afternoon highs reached the century mark over the northern half of the State with upper 90's elsewhere. Lows cooled to the upper 30's north and colder locations of the central and south, with only 50 degrees recorded near the coast. The average monthly tempeatures were 1 to 4 degrees above normal. Precipitation was recorded on 5 to 7 days at most reporting stations. The totals between 1 and 3 inches were 2 to 3 inches below normal. As the growing season was reaching an end, the southeast had recorded annual rain totals of only 69 to 85 percent of normal and local areas through the central portion of the State were below the annual normal. Only the extreme western and northern counties had large areas with annual totals at or above 100 percent.

Not much change in the temperature and rain pattern occurred in October. Average temperatures were 1 to 2 degrees above normal. Extreme highs reached the upper 80's north to mid-90's central and south, with lows in the upper 20's north to upper 30's near the coast. The 4 to 7 days of rain provided totals between 1 and 3 inches, which were generally 1 to 2 inches below normal. The percent of annual rain received did not change much over the State.

Average temperatures for November were 3 to 6 degrees above normal. Highs ranged from low 80's north and near the coast to middle 80's

elsewhere. Lows only cooled to generally middle 20's north, with low 20's in colder locations, to upper 30's near the coast. Rain on 5 to 8 days provided rain totals between 2 and 4 inches, which was 1 to 2 inches below normal. As a result, more areas in the central and south fell below 100 percent of normal annual precipitation. Only the extreme northwest and northern counties were still near 100 percent of the annual normal.

December provided little change except for the Tennessee Valley where flooding occurred. Across most of the State, rain was reported on 9 to 12 days with totals of 3 to 5 inches, which were 1 to 2 inches below normal. In the Tennessee Valley, rain was reported on 17 to 19 days, with totals of 15 to 18 inches being common. These totals were 10 to 13 inches above normal. Temperatures averaged 4 to 7 degrees above normal. Afternoon highs reached the middle 70's north to around 80 central and south. Overnight lows did reach the teens over the northern half of the State to middle 20's near the coast. At the end of the year, annual rain totals were 100 to 135 percent of normal over most of the northern half of the State. South of Montgomery annual totals were under 100 percent, with the lowest in the southeast at 69 to 83 percent.

HISTORY OF THE AUBURN, ALABAMA, WEATHER STATION

The first official weather records for Auburn, Alabama, began in May 1884. There is no record of the exact location of the station. Weather data taken from May 1884 through March 1906 were destroyed in a fire. Dr. J. T. Anderson established a new station about one-half mile southwest of the Auburn Post Office on April 1, 1906.

On April 13, 1947, the station was moved to the home of Mrs. Martha I. Moore. This location was about 1.3 miles west-southwest of the Auburn Post Office. Mrs. Moore moved on January 2, 1952, to a location 3 miles southwest of the Post Office. The station remained there until January 1971.

The U. S. Weather Bureau (now the National Weather Service) created an Advisory Agricultural Meteorologist (AAM) position at Auburn in the fall of 1963. Paul Mott established a micrometeorological weather station on the south end of the Auburn University Agronomy Farm on September 1, 1963. In July 1973, the National Weather Service replaced the AAM position by establishing the Environmental Studies Service Center and the staff of that office started taking observations at the same weather station. In 1981, the office was renamed the Southeast Agricultural Weather Service Center.

Auburn's weather observations continue to be taken at the Auburn University Agronomy Farm location by the staff of the Southeast Agricultural Weather Service Center.

ADDITIONAL DATA AVAILABLE FROM AUBURN, ALABAMA

Agricultural data other than that published here is available from the Southeast Agricultural Weather Service Center, Auburn University, Alabama, and includes:

1. MAXIMUM/MINIMUM 2-inch air temperature over grass
2. MAXIMUM/MINIMUM 2-inch air temperature over fallow soil
3. MAXIMUM/MINIMUM soil temperatures (2- and 8-inch level)
4. Open pan evaporation maximum/minimum/mean water temperature
5. Miles of wind across the open evaporation pan
6. Relative humidity at 1 a.m., 7 a.m., 1 p.m., 7 p.m.
7. Average wind direction and speed and maximum gust from 6 p.m. to 6 a.m. and 6 a.m. to 6 p.m.
8. Minutes of sunshine and percent of possible
9. Maximum/minimum/mean barometric pressure during 24-hour period.

UNITS USED IN THIS PUBLICATION

1. "NA" means an observation is missing or not reported. Observations are taken at 7 a.m. CST daily and are for the previous 24 hours.

2. Temperatures are in degrees fahrenheit. PRECIPitation in inches. A trace of precipitation is less than 0.01 inch.

3. MAX is MAXimum. MIN is MINimum.

4. AVG is AVeraGe and MEAN is MEAN computed by (MAX + MIN) / 2.

5. DFN is the Departure From Normals based on 1951-1980 data.

6. GDD is Growing Degree Days. The value is computed daily when the average daily temperature is greater than the threshold temperature. For B60 and B50, the threshold temperatures are 60 and 50 degrees, respectively. A cumulative total beginning on the first of each month is provided each day. The formula used is:

GDD = AVE DAILY AIR TEMPERATURE - THRESHOLD TEMPERATURE

7. EVAP is open pan EVAPoration in inches.

8. VEG WET is VEGetative WETting in hours from noon on the previous day to noon on the day of observation.

9. SOLAR ENERGY is in watts per square meter for the previous 24 hours ending at 7 a.m. CST daily.

10. PET is Potential EvapoTranspiration. It is based on the Baier Robertson Model. Ref: Soil Moisture Estimator Program System, Tech. Bull. 78, January 1972, Plant Res. Inst., Can. Dept. of Agr. and Estimation of Latent Evaporation From Simple Weather Observations. Baier, W. and Geo. W. Robertson, 1965, Can. J. Plant Sci. 45:276-284.

DISCLAIMER

The data contained in this publication may differ from that published in the Alabama Climatological Data by the National Climatic Data Center (NCDC), Asheville, N.C. The NCDC data are not collected or quality controlled in real-time as are the data in this publication.

1990 Daily Auburn Weather Data with Monthly Summaries and
Daily Normal and Temperature Extremes

Daily Weather Observations: Auburn

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
1/ 1	65	31	48	3	0	0	.47	60	46	53	NA	20	555	.02
1/ 2	47	31	39	-6	0	0	.00	54	41	48	NA	0	3412	.02
1/ 3	51	34	43	-2	0	0	.00	50	41	46	.08	0	2310	.01
1/ 4	60	41	51	6	0	1	Trace	54	44	49	.08	4	1820	.02
1/ 5	57	53	55	10	0	6	.39	54	51	53	.03	24	580	.00
1/ 6	60	54	57	12	0	13	1.06	57	54	56	.02	22	566	.00
1/ 7	58	48	53	8	0	16	.15	58	53	56	.05	12	1309	.00
1/ 8	53	46	50	5	0	16	.47	55	51	53	NA	24	600	.00
1/ 9	48	33	41	-4	0	16	Trace	52	45	49	.05	24	836	.00
1/10	55	36	46	1	0	16	.01	55	44	50	.06	9	2334	.02
1/11	61	38	50	5	0	16	.00	57	44	51	.09	0	3502	.06
1/12	71	38	55	10	0	21	.00	57	44	51	.19	0	3494	.09
1/13	51	26	39	-6	0	21	.00	52	38	45	NA	0	3674	.04
1/14	51	26	39	-6	0	21	.00	50	38	44	NA	0	3651	.04
1/15	55	29	42	-3	0	21	.00	52	38	45	NA	0	3130	.04
1/16	66	35	51	7	0	22	.00	58	41	50	.11	0	3441	.08
1/17	72	46	59	15	0	31	.00	61	46	54	.11	5	3367	.09
1/18	72	55	64	20	4	45	.10	62	53	58	.10	12	2201	.05
1/19	63	55	59	15	4	54	.08	61	55	58	.01	22	947	.01
1/20	73	54	64	20	8	68	.00	66	56	61	.10	5	2514	.07
1/21	74	53	64	20	12	82	1.25	65	57	61	.09	12	1563	.05
1/22	58	31	45	0	12	82	.00	63	46	55	.09	4	2953	.05
1/23	61	31	46	1	12	82	.00	59	45	52	.11	6	3873	.08
1/24	66	34	50	5	12	82	.00	59	45	52	.13	2	3376	.08
1/25	60	50	55	10	12	87	1.64	56	52	54	NA	24	456	.01
1/26	59	27	43	-2	12	87	.25	58	42	50	NA	2	560	.01
1/27	51	27	39	-6	12	87	.00	54	41	48	.13	0	3973	.05
1/28	59	32	46	1	12	87	.00	57	41	49	.15	0	3997	.07
1/29	67	38	53	8	12	90	.00	59	42	51	.19	3	3836	.09
1/30	62	28	45	0	12	90	.19	57	42	50	NA	16	1323	.03
1/31	55	28	42	-4	12	90	.00	53	42	48	NA	12	2772	.04

AIR TEMPERATURES (in degrees F):
Mean Maximum= 60.0 Mean Minimum= 38.3 Average= 49.2
DFN= +4.5 DFN= +4.6 DFN= +4.6
Highest= 74 Lowest= 26

PRECIPITATION STATISTICS (inches):
Total= 6.06 DFN= +.92 Greatest Daily= 1.64 Rain Days= 12

SOIL TEMPERATURES (in degrees F):
Highest= 66 Lowest= 38 Average= 51

AVERAGE DAILY VALUES:
Pan Evaporation= .09 (in) Hours of Wet Vegetation= 8.5
Solar Energy= 2352.4 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .04 (in)

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
JANUARY

DAY	DAILY NORMAL			RECORD TEMPERATURES			
	MAXIMUM	MINIMUM	DAY MEAN	HIGH	YEAR	LOW	YEAR
1	56	34	45	74	1985	15	1984
2	56	34	45	79	1952	8	1928
3	56	34	45	77	1952	11	1919
4	56	34	45	76	1917	6	1919
5	55	34	45	76	1950	15	1959
6	55	34	45	76	1950	6	1924
7	55	34	45	77	1913	12	1970
8	55	34	45	75	1946	10	1970
9	55	34	45	76	1930	5	1970
10	55	34	45	77	1957	12	1970
11	55	34	45	79	1949	1	1982
12	55	34	45	81	1949	1	1982
13	55	34	45	75	1937	6	1918
14	55	34	45	78	1932	15	1981
15	55	34	45	75	1952	10	1948
16	55	33	44	79	1943	10	1972
17	55	33	44	79	1952	6	1977
18	55	33	44	77	1929	7	1977
19	55	33	44	78	1952	3	1977
20	55	33	44	79	1927	5	1977
21	55	33	44	81	1923	-7	1985
22	56	33	45	78	1927	-6	1985
23	56	33	45	78	1937	8	1961
24	56	33	45	78	1920	0	1963
25	56	34	45	78	1943	1	1963
26	56	34	45	79	1950	9	1940
27	56	34	45	78	1950	7	1940
28	56	34	45	78	1916	9	1986
29	56	34	45	79	1947	5	1966
30	56	34	45	80	1975	1	1966
31	57	34	46	82	1975	13	1909

All temperatures are in degrees Fahrenheit. Normals are based on the period 1951-80. Records begin with 1906 data.

Daily Weather Observations: Auburn

DATE	AIR TEMPERATURE MAX	MIN	AVG	DFN	GDD B60	B50	PRECIP	4 INCH SOIL MAX	MIN	MEAN	EVAP	VEG WET	SOLAR ENERGY	PET
2/ 1	67	38	53	7	0	3	.00	60	44	52	.05	0	4095	.09
2/ 2	69	46	58	12	0	11	Trace	60	47	54	.09	8	2417	.06
2/ 3	73	61	67	21	7	28	.01	65	58	62	.03	17	1326	.04
2/ 4	75	62	69	23	16	47	.26	67	62	65	.03	18	1269	.04
2/ 5	62	35	49	3	16	47	.00	66	48	57	.17	1	3337	.07
2/ 6	63	36	50	4	16	47	.00	64	47	56	.13	0	4323	.09
2/ 7	63	41	52	6	16	49	.24	60	49	55	.14	14	2821	.05
2/ 8	65	43	54	8	16	53	.00	67	51	59	.08	11	3444	.07
2/ 9	65	49	57	11	16	60	.26	62	51	57	.11	14	2356	.04
2/10	69	52	61	15	17	71	.68	63	57	60	.15	17	848	.02
2/11	60	38	49	3	17	71	.36	63	49	56	.09	19	1526	.02
2/12	63	38	51	4	17	72	.00	64	48	56	.16	8	4519	.09
2/13	70	40	55	8	17	77	.00	66	48	57	.13	3	4501	.11
2/14	72	40	56	9	17	83	.00	65	49	57	.22	12	4469	.12
2/15	73	50	62	15	19	95	.06	66	53	60	.17	6	3214	.09
2/16	73	58	66	19	25	111	.04	66	58	62	.15	8	2392	.06
2/17	70	44	57	10	25	118	1.22	65	55	60	.13	16	592	.03
2/18	60	44	52	4	25	120	.00	64	52	58	NA	0	4028	.07
2/19	53	41	47	-1	25	120	1.29	54	49	52	NA	23	834	.01
2/20	57	42	50	2	25	120	.00	58	49	54	NA	16	1950	.02
2/21	69	44	57	9	25	127	.00	65	49	57	.18	0	4731	.11
2/22	64	46	55	6	25	132	.29	59	49	54	.11	15	2191	.04
2/23	64	50	57	8	25	139	.45	60	54	57	.08	20	688	.01
2/24	56	33	45	-4	25	139	.00	59	44	52	.11	8	2543	.03
2/25	63	30	47	-2	25	139	.00	59	42	51	NA	2	5159	.11
2/26	50	31	41	-8	25	139	.00	58	40	49	NA	0	5269	.07
2/27	57	33	45	-5	25	139	.00	60	40	50	.15	0	4767	.08
2/28	68	39	54	4	25	143	.00	65	44	55	.11	9	5023	.12

AIR TEMPERATURES (in degrees F):
Mean Maximum= 64.8 DFN= +5.6 Mean Minimum= 43.0 DFN= +7.7 Average= 53.9 DFN= +6.7
Highest= 75 Lowest= 30

PRECIPITATION STATISTICS (inches):
Total= 5.16 DFN= -.18 Greatest Daily= 1.29 Rain Days= 12

SOIL TEMPERATURES (in degrees F):
Highest= 67 Lowest= 40 Average= 56

AVERAGE DAILY VALUES:
Pan Evaporation= .12 (in) Hours of Wet Vegetation= 9.5
Solar Energy= 3022.6 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .06 (in)

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
FEBRUARY

DAY	DAILY NORMAL			RECORD TEMPERATURES			
	MAXIMUM	MINIMUM	DAY MEAN	HIGH	YEAR	LOW	YEAR
1	57	34	46	78	1957	17	1936
2	57	34	46	80	1957	10	1951
3	57	34	46	77	1990	9	1951
4	57	34	46	80	1927	10	1958
5	57	34	46	81	1957	19	1947
6	57	34	46	80	1957	17	1978
7	58	34	46	78	1957	16	1988
8	58	34	46	80	1957	18	1988
9	58	34	46	80	1957	11	1933
10	58	34	46	79	1939	15	1947
11	58	34	46	79	1932	17	1973
12	59	35	47	79	1922	12	1981
13	59	35	47	79	1922	13	1981
14	59	35	47	82	1962	15	1958
15	59	35	47	80	1959	13	1943
16	59	35	47	80	1921	16	1958
17	59	35	47	81	1927	8	1958
18	60	36	48	78	1956	8	1958
19	60	36	48	77	1956	12	1958
20	60	36	48	79	1956	18	1958
21	60	36	48	78	1986	17	1958
22	61	36	49	78	1976	12	1963
23	61	37	49	79	1927	14	1963
24	61	37	49	78	1980	16	1990
25	61	37	49	81	1918	16	1967
26	61	37	49	80	1944	17	1967
27	62	38	50	81	1945	12	1963
28	62	38	50	82	1962	18	1963

All temperatures are in degrees Fahrenheit. Normals are based on the period 1951-80. Records begin with 1906 data.

Daily Weather Observations: Auburn

DATE	AIR TEMPERATURE MAX	MIN	AVG	DFN	GDD B60	B50	PRECIP	4 INCH SOIL MAX	MIN	MEAN	EVAP	VEG WET	SOLAR ENERGY	PET
3/ 1	69	45	57	7	0	7	.00	65	49	57	.10	6	3764	.09
3/ 2	69	50	60	10	0	17	.06	65	52	59	.12	7	3016	.07
3/ 3	62	45	54	3	0	21	.25	59	52	56	.01	24	651	.01
3/ 4	63	40	52	1	0	23	.00	63	46	55	.13	0	3448	.07
3/ 5	66	40	53	2	0	26	.00	67	46	57	.15	2	5570	.12
3/ 6	69	46	58	6	0	34	.00	69	48	59	.15	4	5456	.13
3/ 7	73	49	61	9	1	45	.00	70	51	61	.19	10	5159	.13
3/ 8	72	49	61	9	2	56	.00	69	54	62	.21	24	4805	.12
3/ 9	52	45	49	-3	2	56	.10	60	52	56	.06	24	1507	.01
3/10	72	46	59	6	2	65	.00	69	52	61	.10	14	3987	.11
3/11	81	53	67	14	9	82	.00	78	57	68	.18	2	5226	.15
3/12	82	52	67	14	16	99	.00	80	59	70	.20	4	5120	.16
3/13	80	55	68	14	24	117	.00	80	61	71	.14	0	4534	.14
3/14	82	55	69	15	33	136	.00	81	62	72	.19	4	4581	.14
3/15	79	59	69	15	42	155	.00	79	63	71	.24	0	4516	.13
3/16	79	61	70	16	52	175	3.68	77	64	71	.08	19	2912	.09
3/17	64	51	58	3	52	183	4.86	64	59	62	NA	24	119	.07
3/18	65	40	53	-2	52	186	Trace	69	53	61	.09	0	4180	.09
3/19	69	46	58	3	52	194	.00	71	53	62	.17	0	6017	.14
3/20	70	30	50	-6	52	194	.00	69	46	58	.20	0	4714	.13
3/21	55	31	43	-13	52	194	.00	64	45	55	.19	0	6438	.12
3/22	66	35	51	-5	52	195	.00	68	45	57	.16	0	6385	.15
3/23	72	40	56	0	52	201	.00	70	49	60	.20	4	6165	.16
3/24	76	49	63	6	55	214	.00	74	54	64	.16	4	5498	.15
3/25	75	50	63	6	58	227	.00	76	57	67	.18	4	5671	.15
3/26	76	48	62	5	60	239	.00	76	58	67	.18	0	5185	.14
3/27	67	39	53	-5	60	242	.00	73	52	63	.18	0	4342	.11
3/28	66	42	54	-4	60	246	.00	75	52	64	.21	0	6241	.14
3/29	61	50	56	-2	60	252	.06	65	57	61	.06	9	2308	.04
3/30	57	51	54	-5	60	256	.06	62	57	60	.04	18	1195	.04
3/31	62	52	57	-2	60	263	.28	62	57	60	.14	12	881	.01

AIR TEMPERATURES (in degrees F):
Mean Maximum= 69.4 DFN= +3.0 Mean Minimum= 46.6 DFN= +4.3 Average= 58.0 DFN= +3.6
Highest= 82 Lowest= 30

PRECIPITATION STATISTICS (inches):
Total= 9.35 DFN= +2.50 Greatest Daily= 4.86 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 81 Lowest= 45 Average= 62

AVERAGE DAILY VALUES:
Pan Evaporation= .15 (in) Hours of Wet Vegetation= 7.1
Solar Energy= 4180.4 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .11 (in)

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
MARCH

DAY	DAILY NORMAL			RECORD TEMPERATURES			
	MAXIMUM	MINIMUM	DAY MEAN	HIGH	YEAR	LOW	YEAR
1	62	38	50	81	1932	20	1941
2	62	38	50	82	1932	18	1980
3	63	39	51	82	1918	12	1980
4	63	39	51	81	1910	13	1943
5	63	39	51	84	1976	17	1960
6	63	40	52	82	1961	16	1960
7	64	40	52	83	1911	23	1920
8	64	40	52	84	1925	20	1920
9	64	40	52	86	1925	26	1932
10	65	41	53	87	1974	17	1932
11	65	41	53	86	1925	22	1934
12	65	41	53	85	1967	26	1969
13	65	42	54	89	1923	23	1932
14	66	42	54	84	1963	18	1926
15	66	42	54	82	1955	23	1988
16	66	42	54	84	1945	25	1916
17	67	43	55	89	1945	27	1924
18	67	43	55	87	1945	25	1941
19	67	43	55	86	1982	26	1960
20	68	43	56	89	1938	22	1923
21	68	44	56	87	1927	24	1960
22	68	44	56	85	1921	21	1960
23	68	44	56	84	1939	26	1955
24	69	44	57	89	1929	25	1968
25	69	45	57	86	1954	26	1983
26	69	45	57	87	1910	29	1979
27	70	45	58	89	1910	17	1955
28	70	46	58	84	1910	24	1955
29	70	46	58	85	1945	26	1955
30	71	46	59	86	1946	27	1964
31	71	46	59	84	1929	26	1950

All temperatures are in degrees Fahrenheit. Normals are based on the period 1951-80. Records begin with 1906 data.

Daily Weather Observations: Auburn

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
4/ 1	75	54	65	6	5	15	.01	76	60	68	.11	12	3852	.11
4/ 2	78	55	67	7	12	32	.23	79	60	70	.19	19	4966	.14
4/ 3	68	41	55	-5	12	37	.00	72	53	63	.12	2	3237	.09
4/ 4	58	37	48	-12	12	37	.00	71	50	61	.20	2	6729	.13
4/ 5	65	40	53	-8	12	40	.00	73	50	62	.20	NA	6876	.15
4/ 6	77	50	64	3	16	54	.00	79	55	67	.22	NA	6327	.17
4/ 7	70	34	52	-9	16	56	.30	69	50	60	.06	19	2629	.09
4/ 8	59	36	48	-13	16	56	.00	70	48	59	.25	0	7213	.14
4/ 9	67	42	55	-7	16	61	.00	75	48	62	.17	0	6847	.16
4/10	73	53	63	1	19	74	.00	80	55	68	.28	8	6617	.16
4/11	76	53	65	3	24	89	.88	76	61	69	.21	16	3009	.10
4/12	62	40	51	-11	24	90	.00	72	52	62	.26	0	6563	.14
4/13	62	41	52	-11	24	92	.00	73	51	62	.24	0	7116	.15
4/14	68	47	58	-5	24	100	.00	75	51	63	.21	0	7027	.16
4/15	76	52	64	1	28	114	.92	78	57	68	.27	14	6047	.16
4/16	73	52	63	-1	31	127	.00	78	59	69	.22	7	6186	.15
4/17	77	52	65	1	36	142	.00	78	59	69	.20	11	6837	.18
4/18	81	46	64	0	40	156	.00	81	60	71	.29	0	6981	.20
4/19	69	47	58	-6	40	164	.00	75	58	67	.20	0	5920	.14
4/20	62	53	58	-7	40	172	.00	67	58	63	.20	3	2984	.05
4/21	76	59	68	3	48	190	.00	79	59	69	.18	11	5952	.15
4/22	78	58	68	3	56	208	.00	82	63	73	.23	11	5912	.16
4/23	80	58	69	4	65	227	.00	84	65	75	.19	12	5270	.15
4/24	78	59	69	3	74	246	.00	89	66	78	.23	13	6853	.18
4/25	82	56	69	3	83	265	.00	91	67	79	.23	11	6620	.19
4/26	83	54	69	3	92	284	.00	94	68	81	.23	9	6886	.20
4/27	83	54	69	3	101	303	.00	96	65	81	.27	7	7115	.20
4/28	83	63	73	6	114	326	1.64	92	70	81	.33	9	5776	.17
4/29	74	49	62	-5	116	338	.10	78	62	70	.27	12	4331	.12
4/30	83	59	71	4	127	359	.00	82	63	73	.29	9	7156	.20

AIR TEMPERATURES (in degrees F):
Mean Maximum= 73.2 Mean Minimum= 49.8 Average= 61.5
DFN= -2.6 DFN= -.6 DFN= -1.6
Highest= 83 Lowest= 34

PRECIPITATION STATISTICS (inches):
Total= 4.08 DFN= -1.23 Greatest Daily= 1.64 Rain Days= 7

SOIL TEMPERATURES (in degrees F):
Highest= 96 Lowest= 48 Average= 68

AVERAGE DAILY VALUES:
Pan Evaporation= .22 (in) Hours of Wet Vegetation= 7.8
Solar Energy= 5861.1 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .15 (in)

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
APRIL

DAY	DAILY NORMAL			RECORD TEMPERATURES			
	MAXIMUM	MINIMUM	DAY MEAN	HIGH	YEAR	LOW	YEAR
1	71	47	59	86	1974	25	1987
2	72	47	60	85	1986	30	1961
3	72	47	60	86	1945	32	1987
4	73	47	60	87	1934	27	1987
5	73	48	61	87	1934	28	1987
6	73	48	61	86	1988	29	1952
7	73	48	61	87	1967	29	1950
8	74	48	61	89	1919	33	1950
9	74	49	62	92	1927	35	1985
10	74	49	62	86	1978	32	1938
11	75	49	62	86	1930	28	1960
12	75	49	62	86	1930	33	1918
13	75	50	63	86	1945	27	1940
14	76	50	63	88	1945	30	1962
15	76	50	63	88	1972	31	1943
16	76	51	64	91	1925	29	1962
17	76	51	64	89	1914	31	1949
18	77	51	64	91	1955	34	1962
19	77	51	64	89	1955	28	1983
20	77	52	65	88	1927	32	1953
21	77	52	65	89	1946	32	1953
22	78	52	65	90	1987	38	1953
23	78	52	65	92	1987	33	1986
24	78	53	66	92	1925	38	1959
25	78	53	66	88	1960	34	1910
26	79	53	66	90	1924	36	1910
27	79	53	66	90	1986	38	1978
28	79	54	67	91	1986	40	1928
29	79	54	67	90	1943	40	1928
30	80	54	67	94	1942	43	1925

All temperatures are in degrees Fahrenheit. Normals are based on the period 1951-80. Records begin with 1906 data.

Daily Weather Observations: Auburn

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
5/ 1	85	63	74	6	14	24	.00	85	67	76	.22	13	6363	.19
5/ 2	80	61	71	3	25	45	.00	79	68	74	.12	16	3014	.11
5/ 3	88	67	78	10	43	73	.00	87	69	78	.28	9	7120	.21
5/ 4	90	64	77	9	60	100	.00	89	71	80	.28	6	6183	.20
5/ 5	80	68	74	5	74	124	.02	80	72	76	.14	13	3562	.11
5/ 6	77	49	63	-6	77	137	.00	81	62	72	.25	0	4783	.14
5/ 7	66	48	57	-12	77	144	.00	77	60	69	.16	7	4913	.11
5/ 8	75	51	63	-6	80	157	.00	89	60	75	.19	10	7805	.19
5/ 9	74	59	67	-2	87	174	.42	83	65	74	.18	11	4996	.13
5/10	69	61	65	-5	92	189	.65	70	67	69	.05	20	1065	.03
5/11	72	47	60	-10	92	199	.00	80	59	70	.37	3	7827	.19
5/12	74	58	66	-4	98	215	.00	77	60	69	.24	0	6465	.16
5/13	80	62	71	1	109	236	.75	79	63	71	NA	15	5822	.16
5/14	71	60	66	-5	115	252	.01	74	67	71	NA	13	2407	.07
5/15	84	62	73	2	128	275	.00	87	67	77	.28	10	7355	.21
5/16	87	63	75	4	143	300	.00	88	71	80	.26	8	6570	.20
5/17	86	71	79	8	162	329	.00	88	72	80	.29	9	7045	.20
5/18	80	53	67	-4	169	346	.13	84	66	75	.23	7	4685	.15
5/19	79	57	68	-4	177	364	.00	85	67	76	.24	6	6805	.18
5/20	83	67	75	3	192	389	.00	85	67	76	.22	7	5886	.17
5/21	86	64	75	3	207	414	.51	90	72	81	.33	15	6426	.19
5/22	77	62	70	-2	217	434	1.12	81	68	75	.22	20	2133	.08
5/23	74	52	63	-10	220	447	.00	83	63	73	.28	9	7202	.18
5/24	74	59	67	-6	227	464	.00	80	64	72	.19	5	5712	.14
5/25	80	61	71	-2	238	485	.00	85	66	76	.24	2	6402	.17
5/26	84	67	76	3	254	511	.00	88	68	78	.25	1	6933	.19
5/27	86	65	76	3	270	537	.00	91	72	82	.20	12	6071	.18
5/28	87	66	77	3	287	564	Trace	92	74	83	.23	11	6393	.19
5/29	84	57	71	-3	298	585	.00	91	69	80	.29	2	6524	.19
5/30	80	59	70	-4	308	605	.00	91	69	80	.28	0	7498	.20
5/31	82	62	72	-2	320	627	.05	96	70	83	.21	3	7616	.20

AIR TEMPERATURES (in degrees F):
Mean Maximum= 79.8 DFN= -3.2 Mean Minimum= 60.2 DFN= +1.8 Average= 70.0 DFN= -.7
Highest= 90 Lowest= 47

PRECIPITATION STATISTICS (inches):
Total= 3.66 DFN= -.57 Greatest Daily= 1.12 Rain Days= 9

SOIL TEMPERATURES (in degrees F):
Highest= 96 Lowest= 59 Average= 76

AVERAGE DAILY VALUES:
Pan Evaporation= .23 (in) Hours of Wet Vegetation= 8.5
Solar Energy= 5792.9 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .16 (in)

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES

MAY

DAY	DAILY NORMAL			RECORD TEMPERATURES			
	MAXIMUM	MINIMUM	DAY MEAN	HIGH	YEAR	LOW	YEAR
1	80	55	68	91	1942	38	1908
2	80	55	68	93	1927	38	1909
3	80	55	68	92	1948	42	1925
4	80	55	68	92	1930	40	1971
5	81	56	69	95	1930	43	1945
6	81	56	69	92	1952	43	1944
7	81	56	69	93	1952	37	1944
8	81	56	69	94	1952	38	1958
9	81	57	69	94	1922	37	1960
10	82	57	70	95	1922	39	1923
11	82	57	70	96	1916	46	1909
12	82	57	70	96	1916	42	1952
13	82	58	70	95	1962	35	1960
14	83	58	71	92	1962	40	1960
15	83	58	71	92	1944	44	1959
16	83	58	71	92	1963	44	1927
17	83	59	71	96	1962	41	1956
18	83	59	71	92	1963	47	1945
19	84	59	72	98	1962	48	1976
20	84	59	72	98	1962	48	1976
21	84	60	72	97	1962	43	1954
22	84	60	72	97	1962	45	1954
23	85	60	73	97	1908	52	1991
24	85	60	73	96	1941	47	1931
25	85	61	73	95	1956	47	1931
26	85	61	73	97	1941	43	1979
27	85	61	73	97	1916	43	1961
28	86	61	74	97	1941	44	1961
29	86	62	74	97	1941	46	1961
30	86	62	74	98	1937	43	1984
31	86	62	74	98	1911	42	1984

All temperatures are in degrees Fahrenheit. Normals are based on the period 1951-80. Records begin with 1906 data.

Daily Weather Observations: Auburn

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
6/ 1	81	62	72	-3	12	22	.00	91	73	82	.20	0	5149	.15
6/ 2	81	68	75	0	27	47	.00	88	73	81	.15	10	3536	.11
6/ 3	89	69	79	4	46	76	.00	97	75	86	.21	10	5890	.19
6/ 4	84	70	77	2	63	103	.03	92	77	85	.20	12	4600	.14
6/ 5	86	61	74	-2	77	127	.00	94	73	84	.29	7	6415	.20
6/ 6	86	60	73	-3	90	150	.00	102	76	89	.28	8	8015	.23
6/ 7	91	70	81	5	111	181	.00	101	77	89	.23	6	6620	.21
6/ 8	93	69	81	5	132	212	.00	104	82	93	.26	6	6736	.22
6/ 9	94	70	82	6	154	244	.03	106	81	94	.29	15	6802	.22
6/10	88	68	78	1	172	272	.02	96	80	88	.18	NA	5366	.17
6/11	96	66	81	4	193	303	.00	NA	NA	NA	.34	0	6774	.23
6/12	87	66	77	0	210	330	.00	101	78	90	.31	0	7286	.21
6/13	89	66	78	1	228	358	.00	104	79	92	.31	0	7438	.22
6/14	89	64	77	0	245	385	.00	103	81	92	.27	7	6750	.21
6/15	91	71	81	4	266	416	.00	104	82	93	.30	4	6888	.21
6/16	91	70	81	4	287	447	.02	100	80	90	.19	15	4737	.17
6/17	91	73	82	4	309	479	.07	100	80	90	.20	12	5026	.17
6/18	88	72	80	2	329	509	.00	96	80	88	.17	8	4226	.15
6/19	94	74	84	6	353	543	.00	104	81	93	.29	7	6335	.21
6/20	96	65	81	3	374	574	.00	107	83	95	.45	2	7536	.25
6/21	97	73	85	7	399	609	.00	108	84	96	.32	5	7481	.24
6/22	95	74	85	7	424	644	.00	105	85	95	.26	4	5641	.20
6/23	92	67	80	1	444	674	.65	104	78	91	.38	16	5967	.20
6/24	85	63	74	-5	458	698	.00	89	73	81	.28	3	5058	.16
6/25	86	64	75	-4	473	723	.00	95	74	85	.31	0	7037	.20
6/26	87	67	77	-2	490	750	.00	98	74	86	.36	0	6749	.20
6/27	92	69	81	2	511	781	.00	104	77	91	.32	2	7481	.23
6/28	93	67	80	1	531	811	.00	100	80	90	.21	9	5173	.19
6/29	95	68	82	3	553	843	.00	104	81	93	.26	7	6208	.21
6/30	94	71	83	4	576	876	.00	106	83	95	.30	5	6822	.22

AIR TEMPERATURES (in degrees F):
Mean Maximum= 90.0 Mean Minimum= 67.9 Average= 79.0
DFN= +1.0 DFN= +2.7 DFN= +1.9
Highest= 97 Lowest= 60

PRECIPITATION STATISTICS (inches):
Total= .82 DFN= -3.03 Greatest Daily= .65 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 108 Lowest= 73 Average= 89

AVERAGE DAILY VALUES:
Pan Evaporation= .27 (in) Hours of Wet Vegetation= 6.2
Solar Energy= 6191.4 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .20 (in)

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
JUNE

DAY	DAILY NORMAL			RECORD TEMPERATURES			
	MAXIMUM	MINIMUM	DAY MEAN	HIGH	YEAR	LOW	YEAR
1	87	62	75	97	1953	46	1972
2	87	63	75	98	1953	51	1931
3	87	63	75	99	1911	39	1956
4	87	63	75	99	1936	54	1954
5	88	63	76	101	1936	47	1954
6	88	64	76	100	1985	53	1954
7	88	64	76	102	1933	54	1926
8	88	64	76	99	1933	51	1955
9	88	64	76	99	1963	54	1977
10	89	64	77	99	1954	52	1913
11	89	65	77	100	1920	52	1913
12	89	65	77	101	1963	54	1960
13	89	65	77	98	1958	54	1985
14	89	65	77	101	1963	53	1985
15	89	65	77	102	1963	56	1983
16	89	65	77	103	1963	57	1960
17	89	66	78	100	1944	57	1961
18	90	66	78	104	1944	57	1961
19	90	66	78	107	1933	58	1961
20	90	66	78	106	1933	57	1965
21	90	66	78	106	1933	56	1985
22	90	66	78	102	1930	58	1976
23	90	67	79	102	1944	54	1972
24	90	67	79	104	1930	55	1972
25	90	67	79	102	1914	55	1972
26	90	67	79	103	1914	57	1940
27	90	67	79	102	1954	59	1974
28	90	67	79	104	1954	56	1958
29	90	67	79	105	1954	58	1961
30	90	67	79	101	1978	55	1923

All temperatures are in degrees Fahrenheit. Normals are based on the period 1951-80. Records begin with 1906 data.

Daily Weather Observations: Auburn

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
7/ 1	95	71	83	4	23	33	.00	107	85	96	.37	5	7292	.23
7/ 2	96	74	85	6	48	68	.00	106	86	96	.38	4	6643	.22
7/ 3	96	67	82	3	70	100	.00	105	83	94	.26	2	5265	.20
7/ 4	89	67	78	-1	88	128	.00	102	82	92	.24	0	6017	.19
7/ 5	91	70	81	2	109	159	.00	104	82	93	.27	0	6430	.20
7/ 6	92	72	82	3	131	191	.00	104	85	95	.30	NA	6455	.21
7/ 7	94	76	85	6	156	226	.00	106	86	96	.37	NA	6944	.22
7/ 8	98	76	87	8	183	263	.14	105	82	94	.29	NA	5442	.20
7/ 9	100	69	85	6	208	298	1.26	106	80	93	.19	NA	6302	.23
7/10	92	72	82	3	230	330	.00	96	80	88	.30	NA	7129	.22
7/11	93	73	83	4	253	363	.00	96	80	88	.30	NA	6920	.22
7/12	93	68	81	2	274	394	.36	96	77	87	.23	17	4540	.17
7/13	90	72	81	1	295	425	.16	93	77	85	.28	15	6502	.20
7/14	83	70	77	-3	312	452	.06	89	77	83	.17	15	4760	.14
7/15	85	64	75	-5	327	477	Trace	89	73	81	.20	12	4485	.15
7/16	85	68	77	-3	344	504	.00	93	74	84	.28	5	6433	.19
7/17	87	72	80	0	364	534	.00	94	75	85	.23	0	5592	.17
7/18	84	72	78	-2	382	562	.00	90	78	84	.18	4	4034	.13
7/19	89	70	80	0	402	592	.06	96	78	87	.23	10	4991	.17
7/20	77	69	73	-7	415	615	.66	83	74	79	.06	20	2107	.07
7/21	86	69	78	-2	433	643	.00	90	75	83	.17	13	5053	.16
7/22	89	71	80	0	453	673	.00	94	77	86	.22	13	5827	.18
7/23	89	72	81	1	474	704	.05	92	77	85	.20	12	5408	.17
7/24	91	70	81	1	495	735	.35	97	77	87	.21	17	5876	.19
7/25	87	69	78	-2	513	763	.35	92	75	84	.23	17	5186	.17
7/26	88	68	78	-2	531	791	.00	93	75	84	.27	4	6584	.20
7/27	88	70	79	-1	550	820	.00	92	76	84	.21	2	5329	.17
7/28	89	69	79	-1	569	849	.00	96	76	86	.22	3	6629	.20
7/29	90	70	80	0	589	879	.00	99	77	88	.29	3	6656	.20
7/30	91	70	81	1	610	910	.00	102	80	91	.30	7	6541	.20
7/31	94	69	82	2	632	942	.00	103	83	93	.30	4	6402	.21

AIR TEMPERATURES (in degrees F):
Mean Maximum= 90.0 Mean Minimum= 70.3 Average= 80.2
DFN= -.6 DFN= +1.8 DFN= +.6
Highest= 100 Lowest= 64

PRECIPITATION STATISTICS (inches):
Total= 3.45 DFN= -2.29 Greatest Daily= 1.26 Rain Days= 10

SOIL TEMPERATURES (in degrees F):
Highest= 107 Lowest= 73 Average= 88

AVERAGE DAILY VALUES:
Pan Evaporation= .25 (in) Hours of Wet Vegetation= 8.2
Solar Energy= 5799.2 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .19 (in)

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
JULY

DAY	DAILY NORMAL			RECORD TEMPERATURES			
	MAXIMUM	MINIMUM	DAY MEAN	HIGH	YEAR	LOW	YEAR
1	90	67	79	102	1954	56	1958
2	90	68	79	102	1954	59	1924
3	90	68	79	101	1925	61	1924
4	90	68	79	99	1954	63	1947
5	90	68	79	100	1930	59	1922
6	90	68	79	101	1930	60	1972
7	90	68	79	103	1930	62	1955
8	90	68	79	105	1930	62	1988
9	90	68	79	105	1930	58	1983
10	90	68	79	107	1930	57	1947
11	90	68	79	108	1930	56	1963
12	90	68	79	107	1930	60	1953
13	91	68	80	103	1930	61	1947
14	91	68	80	102	1939	59	1967
15	91	69	80	103	1980	54	1967
16	91	69	80	102	1932	57	1926
17	91	69	80	100	1980	61	1926
18	91	69	80	103	1939	61	1926
19	91	69	80	104	1939	59	1923
20	91	69	80	99	1942	63	1987
21	91	69	80	101	1934	62	1923
22	91	69	80	101	1986	57	1947
23	91	69	80	100	1930	59	1947
24	91	69	80	105	1952	64	1963
25	91	69	80	106	1952	63	1947
26	91	69	80	105	1952	63	1911
27	91	69	80	99	1944	62	1911
28	91	69	80	100	1952	63	1911
29	91	69	80	103	1952	62	1924
30	91	69	80	103	1952	62	1924
31	91	69	80	99	1921	61	1936

All temperatures are in degrees Fahrenheit. Normals are based on the period 1951-80. Records begin with 1906 data.

Daily Weather Observations: Auburn

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
8/ 1	95	72	84	4	24	34	.00	105	84	95	.30	3	6548	.22
8/ 2	93	68	81	1	45	65	.18	102	80	91	.35	16	5421	.19
8/ 3	88	67	78	-2	63	93	.02	94	77	86	.16	15	4464	.16
8/ 4	89	70	80	0	83	123	.00	99	78	89	.24	10	5981	.19
8/ 5	93	72	83	3	106	156	.00	100	82	91	.25	10	5383	.19
8/ 6	95	70	83	3	129	189	.00	103	84	94	.32	6	6271	.21
8/ 7	91	67	79	-1	148	218	.00	103	83	93	.34	0	6467	.21
8/ 8	90	69	80	0	168	248	.00	102	83	93	.30	0	6108	.19
8/ 9	90	66	78	-2	186	276	.00	102	83	93	.27	8	5986	.19
8/10	90	65	78	-2	204	304	.00	98	82	90	.23	0	4607	.17
8/11	92	69	81	1	225	335	.00	102	82	92	.31	0	6377	.20
8/12	93	68	81	1	246	366	Trace	100	83	92	.31	2	5763	.20
8/13	94	68	81	1	267	397	Trace	101	84	93	.30	5	5743	.20
8/14	94	68	81	1	288	428	.00	102	85	94	.28	5	5791	.20
8/15	95	68	82	2	310	460	.00	101	85	93	.28	5	5609	.20
8/16	96	71	84	4	334	494	.00	102	85	94	.27	5	5533	.20
8/17	97	71	84	4	358	528	.00	103	86	95	.29	0	5579	.20
8/18	97	70	84	4	382	562	.00	102	86	94	.30	4	5128	.19
8/19	98	71	85	6	407	597	.00	103	86	95	.24	10	4629	.19
8/20	97	70	84	5	431	631	.11	102	81	92	.24	16	4494	.18
8/21	95	70	83	4	454	664	Trace	98	81	90	.24	7	4567	.18
8/22	96	70	83	4	477	697	Trace	105	83	94	.31	17	5936	.21
8/23	82	68	75	-4	492	722	.26	87	77	82	NA	17	1907	.08
8/24	90	69	80	1	512	752	.00	96	77	87	.23	8	5149	.17
8/25	92	73	83	4	535	785	.00	97	79	88	.23	4	4686	.17
8/26	91	71	81	2	556	816	.00	96	82	89	.20	9	3992	.15
8/27	96	72	84	5	580	850	.00	103	82	93	.27	8	5826	.20
8/28	93	74	84	5	604	884	.03	98	83	91	.14	13	4942	.17
8/29	98	73	86	7	630	920	.00	104	83	94	.33	5	6035	.21
8/30	99	72	86	8	656	956	.00	103	86	95	.36	4	5637	.21
8/31	83	66	75	-3	671	981	.02	89	80	85	.08	9	2072	.09

AIR TEMPERATURES (in degrees F):
Mean Maximum= 93.0 Mean Minimum= 69.6 Average= 81.3
DFN= +2.5 DFN= +1.7 DFN= +2.1
Highest= 99 Lowest= 65

PRECIPITATION STATISTICS (inches):
Total= .62 DFN= -2.97 Greatest Daily= .26 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 105 Lowest= 77 Average= 91

AVERAGE DAILY VALUES:
Pan Evaporation= .27 (in) Hours of Wet Vegetation= 7.1
Solar Energy= 5246.2 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .18 (in)

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
AUGUST

DAY	DAILY NORMAL			RECORD TEMPERATURES			
	MAXIMUM	MINIMUM	DAY MEAN	HIGH	YEAR	LOW	YEAR
1	91	69	80	100	1986	62	1936
2	91	69	80	101	1987	59	1925
3	91	69	80	99	1987	63	1965
4	91	69	80	100	1935	60	1923
5	91	69	80	103	1935	59	1950
6	91	68	80	101	1947	57	1948
7	91	68	80	100	1980	60	1948
8	91	68	80	99	1956	61	1948
9	91	68	80	99	1937	60	1976
10	91	68	80	103	1980	60	1908
11	91	68	80	100	1956	61	1954
12	91	68	80	100	1956	61	1931
13	91	68	80	102	1954	59	1979
14	91	68	80	103	1954	59	1979
15	91	68	80	102	1954	58	1963
16	91	68	80	99	1954	61	1983
17	91	68	80	102	1954	62	1979
18	91	68	80	101	1954	60	1948
19	90	68	79	103	1925	63	1976
20	90	68	79	106	1925	60	1961
21	90	68	79	99	1983	58	1927
22	90	68	79	100	1983	58	1961
23	90	68	79	99	1938	59	1931
24	90	67	79	103	1938	58	1953
25	90	67	79	104	1938	58	1953
26	90	67	79	103	1943	59	1952
27	90	67	79	103	1938	56	1952
28	90	67	79	101	1954	56	1952
29	90	67	79	101	1954	57	1968
30	89	67	78	99	1991	56	1986
31	89	67	78	100	1954	56	1946

All temperatures are in degrees Fahrenheit. Normals are based on the period 1951-80. Records begin with 1906 data.

Daily Weather Observations: Auburn

DATE	AIR TEMPERATURE MAX	MIN	AVG	DFN	GDD B60	B50	PRECIP	4 INCH SOIL MAX	MIN	MEAN	EVAP	VEG WET	SOLAR ENERGY	PET
9/ 1	86	72	79	1	19	29	.05	94	80	87	.18	12	4234	.14
9/ 2	92	72	82	4	41	61	.00	96	80	88	.24	5	4619	.16
9/ 3	95	71	83	5	64	94	.00	103	82	93	.24	10	5750	.20
9/ 4	97	74	86	8	90	130	.00	101	84	93	.31	0	5265	.19
9/ 5	96	69	83	5	113	163	.00	102	83	93	.23	4	5370	.19
9/ 6	91	68	80	3	133	193	.00	99	83	91	.22	4	4698	.17
9/ 7	96	71	84	7	157	227	.00	100	83	92	.27	3	4867	.18
9/ 8	97	72	85	8	182	262	Trace	102	85	94	.30	2	5319	.19
9/ 9	97	68	83	6	205	295	Trace	102	85	94	.29	14	5385	.20
9/10	95	67	81	4	226	326	.00	102	85	94	.26	3	5062	.19
9/11	95	68	82	6	248	358	.00	103	85	94	.23	4	5612	.20
9/12	92	68	80	4	268	388	.73	102	78	90	.38	0	4972	.17
9/13	90	70	80	4	288	418	1.08	92	76	84	.29	12	4978	.17
9/14	89	72	81	5	309	449	Trace	90	77	84	.23	13	4923	.16
9/15	85	71	78	2	327	477	.00	88	77	83	.14	NA	3400	.12
9/16	91	66	79	4	346	506	.00	90	75	83	.24	NA	4819	.17
9/17	89	58	74	-1	360	530	.00	92	71	82	.30	2	5827	.19
9/18	88	64	76	1	376	556	.00	93	71	82	.33	3	5993	.18
9/19	87	64	76	2	392	582	.00	93	72	83	.24	6	5243	.17
9/20	89	65	77	3	409	609	.00	96	74	85	.21	NA	5336	.17
9/21	90	70	80	6	429	639	.10	94	77	86	.16	17	4123	.15
9/22	93	69	81	7	450	670	.00	96	77	87	.22	8	4848	.17
9/23	91	57	74	1	464	694	.50	93	69	81	.19	9	3747	.16
9/24	75	41	58	-15	464	702	.00	84	62	73	.30	6	5963	.16
9/25	72	46	59	-14	464	711	.00	84	62	73	.17	11	6046	.15
9/26	78	49	64	-8	468	725	.00	87	63	75	.19	4	5806	.16
9/27	84	54	69	-3	477	744	.00	90	65	78	.21	3	5772	.17
9/28	88	64	76	4	493	770	.00	93	68	81	.26	0	5533	.17
9/29	87	66	77	6	510	797	.00	93	73	83	.18	0	4727	.15
9/30	85	63	74	3	524	821	.03	88	73	81	.15	14	3221	.12

AIR TEMPERATURES (in degrees F):
Mean Maximum= 89.3 Mean Minimum= 65.0 Average= 77.1
DFN= +3.2 DFN= +1.3 DFN= +2.3
Highest= 97 Lowest= 41

PRECIPITATION STATISTICS (inches):
Total= 2.49 DFN= -1.83 Greatest Daily= 1.08 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 103 Lowest= 62 Average= 85

AVERAGE DAILY VALUES:
Pan Evaporation= .24 (in) Hours of Wet Vegetation= 6.3
Solar Energy= 5048.6 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .17 (in)

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
SEPTEMBER

DAY	DAILY NORMAL			RECORD TEMPERATURES			
	MAXIMUM	MINIMUM	DAY MEAN	HIGH	YEAR	LOW	YEAR
1	89	67	78	97	1957	57	1954
2	89	67	78	100	1957	56	1967
3	89	67	78	100	1957	56	1952
4	89	67	78	104	1925	54	1952
5	89	66	78	108	1925	55	1934
6	88	66	77	103	1925	57	1984
7	88	66	77	103	1925	55	1952
8	88	66	77	103	1925	57	1934
9	88	66	77	104	1925	58	1958
10	88	66	77	100	1954	50	1924
11	87	65	76	98	1954	50	1924
12	87	65	76	101	1927	44	1940
13	87	65	76	98	1962	50	1917
14	87	65	76	99	1927	52	1953
15	87	64	76	102	1927	51	1985
16	86	64	75	103	1927	49	1961
17	86	64	75	103	1927	49	1961
18	86	63	75	100	1931	48	1981
19	85	63	74	99	1931	45	1981
20	85	63	74	101	1925	48	1981
21	85	62	74	97	1925	45	1918
22	85	62	74	98	1955	44	1983
23	84	62	73	98	1940	45	1983
24	84	61	73	98	1921	41	1991
25	84	61	73	97	1979	46	1991
26	83	60	72	96	1923	49	1991
27	83	60	72	96	1933	44	1940
28	83	60	72	95	1954	40	1967
29	82	59	71	96	1954	39	1967
30	82	59	71	94	1933	38	1967

All temperatures are in degrees Fahrenheit. Normals are based on the period 1951-80. Records begin with 1906 data.

Daily Weather Observations: Auburn

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
10/ 1	79	60	70	0	10	20	.06	85	70	78	.06	16	2862	.09
10/ 2	87	65	76	7	26	46	.00	89	70	80	.21	0	4106	.14
10/ 3	89	66	78	9	44	74	.00	93	72	83	.23	2	4712	.16
10/ 4	86	70	78	9	62	102	.00	90	75	83	.20	6	3788	.13
10/ 5	83	57	70	2	72	122	.13	82	66	74	.08	18	2085	.09
10/ 6	85	61	73	5	85	145	.00	89	66	78	.26	1	5490	.16
10/ 7	85	65	75	7	100	170	.00	90	69	80	.25	3	4574	.14
10/ 8	88	69	79	12	119	199	.00	93	74	84	.18	13	4294	.14
10/ 9	89	65	77	10	136	226	.00	97	76	87	.23	4	4899	.16
10/10	88	68	78	11	154	254	.00	95	76	86	.14	8	4907	.16
10/11	79	55	67	1	161	271	.08	84	68	76	.11	6	1602	.07
10/12	76	58	67	1	168	288	.05	85	68	77	.13	19	3708	.10
10/13	82	59	71	6	179	309	.00	83	69	76	.11	13	2907	.10
10/14	79	51	65	0	184	324	.00	85	67	76	.15	11	3715	.12
10/15	83	52	68	3	192	342	.00	88	67	78	.21	3	4915	.15
10/16	87	58	73	9	205	365	.00	89	67	78	.23	0	4841	.16
10/17	87	63	75	11	220	390	.00	89	70	80	.22	4	4705	.15
10/18	82	64	73	10	233	413	.35	84	72	78	.15	19	3050	.10
10/19	76	41	59	-4	233	422	.00	79	57	68	.18	0	3167	.11
10/20	70	47	59	-4	233	431	.00	78	57	68	NA	0	5285	.12
10/21	73	53	63	1	236	444	.00	80	58	69	.22	5	4824	.12
10/22	80	62	71	9	247	465	.01	83	65	74	.16	16	4097	.12
10/23	71	57	64	2	251	479	1.11	73	65	69	.09	14	624	.02
10/24	66	46	56	-5	251	485	.00	71	57	64	.06	16	2138	.05
10/25	70	44	57	-4	251	492	.00	72	55	64	.17	4	4755	.11
10/26	55	34	45	-16	251	492	.00	59	47	53	.09	4	2065	.02
10/27	64	38	51	-9	251	493	.00	65	47	56	.20	0	4687	.10
10/28	68	43	56	-4	251	499	.00	69	49	59	.13	9	4521	.10
10/29	75	42	59	-1	251	508	.00	71	50	61	.23	0	4434	.13
10/30	69	45	57	-2	251	515	.00	71	50	61	.20	0	4560	.10
10/31	72	42	57	-2	251	522	.00	74	53	64	.13	4	4321	.11

AIR TEMPERATURES (in degrees F):
Mean Maximum= 78.2 Mean Minimum= 54.8 Average= 66.5
DFN= +1.5 DFN= +3.3 DFN= +2.4
Highest= 89 Lowest= 34

PRECIPITATION STATISTICS (inches):
Total= 1.79 DFN= -1.04 Greatest Daily= 1.11 Rain Days= 7

SOIL TEMPERATURES (in degrees F):
Highest= 97 Lowest= 47 Average= 73

AVERAGE DAILY VALUES:
Pan Evaporation= .17 (in) Hours of Wet Vegetation= 7.0
Solar Energy= 3891.5 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .11 (in)

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
OCTOBER

DAY	DAILY NORMAL			RECORD TEMPERATURES			
	MAXIMUM	MINIMUM	DAY MEAN	HIGH	YEAR	LOW	YEAR
1	82	58	70	94	1954	42	1920
2	81	57	69	93	1954	39	1920
3	81	57	69	93	1911	40	1974
4	81	57	69	94	1941	41	1987
5	80	56	68	95	1954	41	1987
6	80	56	68	98	1954	42	1932
7	80	55	68	97	1954	38	1932
8	79	55	67	94	1941	39	1987
9	79	54	67	97	1916	40	1951
10	79	54	67	90	1938	40	1915
11	78	53	66	94	1923	36	1906
12	78	53	66	90	1954	38	1906
13	78	52	65	89	1919	38	1977
14	77	52	65	91	1916	36	1977
15	77	52	65	90	1954	34	1978
16	77	51	64	89	1941	34	1954
17	76	51	64	88	1962	33	1954
18	76	50	63	88	1962	33	1948
19	76	50	63	90	1938	34	1948
20	75	50	63	90	1943	31	1990
21	75	49	62	89	1941	29	1990
22	75	49	62	92	1941	34	1961
23	74	49	62	92	1941	36	1924
24	74	48	61	90	1927	29	1917
25	74	48	61	90	1931	30	1962
26	73	48	61	90	1940	29	1962
27	73	47	60	91	1940	30	1957
28	72	47	60	88	1940	27	1957
29	72	47	60	88	1940	29	1952
30	72	46	59	87	1940	25	1952
31	71	46	59	88	1940	28	1954

All temperatures are in degrees Fahrenheit. Normals are based on the period 1951-80. Records begin with 1906 data.

Daily Weather Observations: Auburn

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
11/ 1	75	43	59	0	0	9	.00	75	53	64	.14	10	4223	.12
11/ 2	76	47	62	4	2	21	.00	76	55	66	.18	0	4273	.12
11/ 3	77	54	66	8	8	37	.00	77	56	67	.18	0	4251	.12
11/ 4	78	57	68	10	16	55	.00	80	61	71	.17	4	4093	.11
11/ 5	79	55	67	9	23	72	.00	80	62	71	.14	12	3812	.11
11/ 6	71	42	57	0	23	79	.25	69	52	61	.08	8	1449	.05
11/ 7	67	43	55	-2	23	84	.00	70	52	61	.10	12	4166	.09
11/ 8	72	44	58	1	23	92	.00	72	52	62	.16	0	4063	.10
11/ 9	68	47	58	2	23	100	.00	68	53	61	.13	6	5303	.11
11/10	55	46	51	-5	23	101	1.74	58	54	56	NA	24	316	.00
11/11	56	38	47	-9	23	101	.00	60	47	54	.07	6	2314	.02
11/12	69	43	56	0	23	107	.00	64	47	56	.13	4	3940	.09
11/13	75	48	62	7	25	119	.00	65	50	58	.19	0	3856	.11
11/14	74	47	61	6	26	130	.00	67	51	59	.18	0	3864	.10
11/15	74	48	61	6	27	141	.00	67	52	60	.15	0	3787	.10
11/16	72	48	60	6	27	151	.00	68	53	61	.11	0	3690	.09
11/17	73	46	60	6	27	161	Trace	67	54	61	.08	5	2894	.08
11/18	63	37	50	-4	27	161	.00	65	47	56	.17	1	3877	.08
11/19	64	35	50	-3	27	161	.00	63	47	55	.09	11	3679	.08
11/20	66	38	52	-1	27	163	.00	64	47	56	.12	11	3592	.08
11/21	73	46	60	7	27	173	.00	67	51	59	.11	6	3027	.08
11/22	72	48	60	8	27	183	.00	68	54	61	.08	11	5203	.12
11/23	73	50	62	10	29	195	.04	68	54	61	.11	11	3150	.08
11/24	63	37	50	-2	29	195	.01	62	50	56	.02	19	1064	.02
11/25	71	39	55	3	29	200	.00	66	50	58	.12	6	3623	.10
11/26	73	42	58	7	29	208	.00	67	50	59	.11	9	3527	.10
11/27	72	51	62	11	31	220	.00	65	55	60	.04	8	1687	.05
11/28	80	58	69	18	40	239	.00	71	58	65	.09	7	2826	.09
11/29	77	43	60	10	40	249	.06	70	56	63	.06	10	1487	.07
11/30	53	32	43	-7	40	249	.00	63	44	54	.16	0	3260	.03

AIR TEMPERATURES (in degrees F):
Mean Maximum= 70.4 Mean Minimum= 45.1 Average= 57.7
DFN= +3.9 DFN= +3.3 DFN= +3.6
Highest= 80 Lowest= 32

PRECIPITATION STATISTICS (inches):
Total= 2.10 DFN= -1.32 Greatest Daily= 1.74 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 80 Lowest= 44 Average= 60

AVERAGE DAILY VALUES:
Pan Evaporation= .12 (in) Hours of Wet Vegetation= 6.7
Solar Energy= 3343.2 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .08 (in)

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
NOVEMBER

DAY	DAILY NORMAL			RECORD TEMPERATURES			
	MAXIMUM	MINIMUM	DAY MEAN	HIGH	YEAR	LOW	YEAR
1	71	46	59	90	1935	31	1930
2	71	45	58	90	1935	28	1963
3	70	45	58	88	1935	19	1954
4	70	45	58	84	1961	26	1954
5	70	45	58	84	1946	25	1982
6	69	44	57	89	1920	28	1962
7	69	44	57	90	1920	27	1959
8	69	44	57	85	1934	28	1951
9	69	43	56	84	1934	27	1951
10	68	43	56	83	1934	24	1956
11	68	43	56	82	1945	26	1926
12	68	43	56	83	1938	26	1968
13	67	42	55	82	1938	25	1963
14	67	42	55	84	1924	24	1963
15	67	42	55	82	1955	18	1969
16	66	42	54	81	1951	18	1940
17	66	41	54	83	1921	26	1943
18	66	41	54	83	1958	21	1951
19	65	41	53	83	1942	22	1951
20	65	41	53	82	1942	16	1914
21	65	40	53	80	1943	21	1937
22	64	40	52	80	1913	22	1937
23	64	40	52	78	1963	18	1956
24	64	40	52	79	1931	16	1970
25	64	39	52	80	1921	9	1950
26	63	39	51	80	1973	9	1950
27	63	39	51	78	1973	21	1950
28	63	39	51	80	1991	21	1938
29	62	38	50	78	1960	17	1955
30	62	38	50	79	1970	16	1959

All temperatures are in degrees Fahrenheit. Normals are based on the period 1951-80. Records begin with 1906 data.

Daily Weather Observations: Auburn

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
12/ 1	59	34	47	-3	0	0	.00	61	44	53	.15	0	3638	.06
12/ 2	64	42	53	3	0	3	.00	62	46	54	.12	1	2777	.05
12/ 3	73	55	64	14	4	17	Trace	67	54	61	.12	6	2444	.06
12/ 4	63	34	49	0	4	17	1.45	61	49	55	.07	18	340	.01
12/ 5	48	26	37	-12	4	17	.00	56	40	48	NA	0	3530	.03
12/ 6	51	27	39	-10	4	17	.00	54	40	47	NA	1	3517	.04
12/ 7	55	27	41	-8	4	17	.00	55	40	48	NA	5	3360	.05
12/ 8	45	38	42	-7	4	17	.37	48	45	47	.08	21	443	.00
12/ 9	53	35	44	-5	4	17	.00	55	41	48	.11	0	3315	.03
12/10	61	34	48	0	4	17	.00	56	41	49	.10	0	3341	.06
12/11	64	34	49	1	4	17	.00	57	42	50	.13	0	3353	.07
12/12	67	38	53	5	4	20	.00	59	43	51	.10	0	3293	.08
12/13	62	38	50	2	4	20	.00	57	45	51	.08	12	2655	.05
12/14	71	51	61	13	5	31	Trace	61	50	56	.05	14	2120	.05
12/15	66	52	59	12	5	40	Trace	61	55	58	.03	19	841	.01
12/16	70	52	61	14	6	51	.00	63	55	59	.05	14	1698	.04
12/17	67	55	61	14	7	62	.00	64	55	60	.02	19	1407	.02
12/18	74	57	66	19	13	78	.00	65	56	61	.07	14	1599	.05
12/19	74	49	62	15	15	90	.57	66	55	61	.08	20	1126	.04
12/20	64	49	57	11	15	97	.25	64	55	60	.07	8	2355	.04
12/21	57	48	53	7	15	100	.02	59	53	56	.01	24	572	.00
12/22	63	49	56	10	15	106	.00	60	53	57	.02	24	841	.00
12/23	74	63	69	23	24	125	.00	65	60	63	.06	10	943	.03
12/24	76	27	52	6	24	127	.83	67	47	57	NA	20	819	.07
12/25	37	18	28	-18	24	127	.00	52	39	46	NA	16	2752	.00
12/26	38	18	28	-17	24	127	.00	46	39	43	NA	15	2021	.00
12/27	45	36	41	-4	24	127	.00	48	44	46	.10	4	1208	.00
12/28	42	38	40	-5	24	127	Trace	47	44	46	.02	23	723	.00
12/29	59	42	51	6	24	128	.10	57	46	52	.04	21	2062	.02
12/30	62	51	57	12	24	135	Trace	58	52	55	NA	24	863	.01
12/31	73	41	57	12	24	142	.26	64	55	60	.07	24	1040	.05

AIR TEMPERATURES (in degrees F):
Mean Maximum= 60.5 Mean Minimum= 40.6 Average= 50.6
DFN= +2.2 DFN= +4.9 DFN= +3.5
Highest= 76 Lowest= 18

PRECIPITATION STATISTICS (inches):
Total= 3.85 DFN= -1.63 Greatest Daily= 1.45 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 67 Lowest= 39 Average= 53

AVERAGE DAILY VALUES:
Pan Evaporation= .07 (in) Hours of Wet Vegetation= 12.2
Solar Energy= 1967.6 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .03 (in)

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
DECEMBER

DAY	DAILY NORMAL			RECORD TEMPERATURES			
	MAXIMUM	MINIMUM	DAY MEAN	HIGH	YEAR	LOW	YEAR
1	62	38	50	80	1933	19	1957
2	62	38	50	79	1982	23	1944
3	61	38	50	78	1982	17	1960
4	61	37	49	78	1933	20	1929
5	61	37	49	76	1961	21	1990
6	60	37	49	81	1924	20	1937
7	60	37	49	77	1951	13	1937
8	60	37	49	78	1978	19	1984
9	60	37	49	77	1956	11	1917
10	59	36	48	78	1972	18	1917
11	59	36	48	79	1918	20	1934
12	59	36	48	80	1971	11	1962
13	59	36	48	81	1926	-1	1962
14	59	36	48	76	1925	0	1962
15	58	36	47	76	1984	15	1962
16	58	36	47	81	1971	14	1951
17	58	35	47	78	1933	14	1960
18	58	35	47	80	1924	15	1953
19	58	35	47	84	1924	12	1963
20	57	35	46	74	1931	12	1963
21	57	35	46	75	1971	17	1981
22	57	35	46	76	1923	12	1990
23	57	35	46	75	1922	8	1990
24	57	35	46	77	1964	3	1990
25	57	35	46	75	1926	3	1990
26	56	34	45	77	1911	5	1983
27	56	34	45	76	1987	7	1983
28	56	34	45	74	1937	9	1925
29	56	34	45	77	1984	15	1925
30	56	34	45	75	1923	12	1983
31	56	34	45	77	1923	12	1983

All temperatures are in degrees Fahrenheit. Normals are based on the period 1951-80. Records begin with 1906 data.

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

TEMPERATURE AND PRECIPITATION
NORMALS, MEANS AND EXTREMES

MONTH	TEMPERATURE							MEAN NO OF DEGREE DAYS	MEAN NUMBER OF DAYS				RAINFALL						
	NORMALS			EXTREMES					MAXIMUM TEMP.	MINIMUM TEMP.			NORMAL	MAXIMUM		MINIMUM		24 HOUR	
	MAX	MIN	MEAN	HIGH	YEAR	LOW	YEAR	BASE-65 DEGREES	90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW	TOTAL	TOTAL	YEAR	TOTAL	YEAR	MAX	YEAR
JAN	55.5	33.7	44.6	82	1975	0	1963	641	0	0	11	0	5.14	12.09	1936	.49	1927	5.23	1912
FEB	59.1	35.3	47.2	82	1962	8	1958	505	0	0	8	0	5.34	17.61	1961	1.50	1943	7.83	1961
MAR	66.4	42.3	54.4	89	1923	12	1980	344	0	0	4	0	6.85	17.47	1929	.30	1918	5.06	1944
APR	75.8	50.4	63.1	94	1942	27	1940	118	0	0	0	0	5.31	18.07	1964	.50	1915	5.60	1981
MAY	83.0	58.4	70.7	98	1962	35	1960	15	5	0	0	0	4.23	10.33	1915	.36	1914	4.53	1915
JUN	89.0	65.2	77.1	107	1933	39	1956	0	15	0	0	0	3.85	8.64	1909	.57	1931	3.64	1928
JUL	90.6	68.5	79.6	108	1930	54	1967	0	18	0	0	0	5.74	15.73	1916	1.39	1914	7.00	1948
AUG	90.5	67.9	79.2	106	1925	56	1952	0	18	0	0	0	3.59	11.03	1944	.01	1925	3.73	1939
SEP	86.1	63.7	74.9	108	1925	38	1967	0	11	0	0	0	4.32	13.13	1965	.36	1919	7.27	1965
OCT	76.6	51.5	64.1	98	1954	25	1952	102	1	0	0	0	2.83	8.41	1970	.00	1963	3.55	1906
NOV	66.5	41.8	54.2	90	1935	9	1950	331	0	0	4	0	3.42	17.77	1948	.23	1924	7.05	1948
DEC	.0	.0	.0	0	0	0	0	0	0	0	0	0	5.48	14.27	1953	.82	1955	6.22	1953
YEAR	74.8	51.2	63.0	108	1930	-7	1985	2611	68	0	37	0	56.10	82.95	1975	28.44	1954	7.83	1961

TEMPERATURE IN DEG. F; RAINFALL IN INCHES
NORMALS BASED ON 1951-80 DATA. MEANS AND EXTREMES BEGIN WITH 1906 DATA

MONTHLY AND ANNUAL SUMMARY

MONTH	5 FOOT SHELTER TEMPERATURES (DEG F)				MAXIMUM AND MINIMUM TEMPERATURES				DEGREE DAYS BELOW 65		PRECIPITATION TOTAL		OPEN PAN EVAPORATION	SUNSHINE AND RADIATION	
					90 OR ABOVE		32 OR BELOW				WATER EQUIVALENT		TOTAL	MINS. OF	LANGLEYS**
	MAX	MIN	MEAN	DFN*	DAYS	DFN*	DAYS	DFN*	DAYS	DFN*	(IN.)	DFN*	(IN.)	SUNSHINE	SOLAR RAD.
JAN	60.0	38.3	49.2	4.6	0	0	12	1	482	-159	6.06	.92	1.94	7435	6575
FEB	64.8	43.0	53.9	6.7	0	0	2	-6	311	-194	5.16	-.18	2.75	7799	7251
MAR	69.4	46.6	58.0	3.6	0	0	2	-2	230	-114	9.35	2.50	4.41	11705	11149
APR	73.2	49.8	61.5	-1.6	0	0	0	0	137	19	4.08	-1.23	6.52	15662	15334
MAY	79.8	60.2	70.0	-.7	1	-4	0	0	19	4	3.66	-.57	6.67	14349	15339
JUN	90.0	67.9	79.0	1.9	16	1	0	0	0	0	.82	-3.03	8.13	15597	16155
JUL	90.0	70.3	80.2	.6	16	-2	0	0	0	0	3.45	-2.29	7.73	12857	15393
AUG	93.0	69.6	81.3	2.1	27	9	0	0	0	0	.62	-2.97	7.94	12603	13785
SEP	89.3	65.0	77.1	2.3	16	5	0	0	14	14	2.49	-1.83	7.11	14685	12905
OCT	78.2	54.8	66.5	2.4	0	-1	0	0	97	-5	1.79	-1.04	4.98	12046	10490
NOV	70.4	45.1	57.7	3.5	0	0	1	-3	221	-110	2.10	-1.32	3.41	12254	8573
DEC	60.5	40.6	50.6	3.5	0	0	6	6	445	445	3.85	-1.63	1.72	5293	5139
YEAR	76.6	54.3	65.4	2.4	76	8	23	-14	1956	-655	43.43	-12.67	63.32	142285	138088

* DEPARTURE FROM 1951-80 NORMAL.
** ONE LANGLEY = ONE GRAM-CALORIE PER SQUARE CENTIMETER.
{{{{ NOTE }}}} EVAPORATION, SUNSHINE AND RADIATION DATA ARE NOT ADJUSTED FOR MISSING VALUES

DAILY NORMALS OF AIR TEMPERATURE AND PRECIPITATION
BASED ON 1951-80 DATA

Station: AUBURN State: ALABAMA Number:01-0430-9

DAY	January MAX	MIN	AVG	PRECIP	DAY	February MAX	MIN	AVG	PRECIP	DAY	March MAX	MIN	AVG	PRECIP
1	56	34	45	.18	1	57	34	46	.17	1	62	38	50	.21
2	56	34	45	.17	2	57	34	46	.17	2	62	38	50	.22
3	56	34	45	.17	3	57	34	46	.17	3	63	39	51	.22
4	56	34	45	.17	4	57	34	46	.18	4	63	39	51	.22
5	55	34	45	.17	5	57	34	46	.18	5	63	39	51	.22
6	55	34	45	.17	6	57	34	46	.18	6	63	40	52	.22
7	55	34	45	.17	7	58	34	46	.18	7	64	40	52	.22
8	55	34	45	.17	8	58	34	46	.18	8	64	40	52	.22
9	55	34	45	.17	9	58	34	46	.18	9	64	40	52	.22
10	55	34	45	.17	10	58	34	46	.18	10	65	41	53	.23
11	55	34	45	.17	11	58	34	46	.18	11	65	41	53	.23
12	55	34	45	.16	12	59	35	47	.19	12	65	41	53	.23
13	55	34	45	.16	13	59	35	47	.19	13	65	42	54	.23
14	55	34	45	.16	14	59	35	47	.19	14	66	42	54	.23
15	55	34	45	.16	15	59	35	47	.19	15	66	42	54	.23
16	55	33	44	.16	16	59	35	47	.19	16	66	42	54	.23
17	55	33	44	.16	17	59	35	47	.19	17	67	43	55	.23
18	55	33	44	.16	18	60	36	48	.20	18	67	43	55	.23
19	55	33	44	.16	19	60	36	48	.20	19	67	43	55	.22
20	55	33	44	.16	20	60	36	48	.20	20	68	43	56	.22
21	55	33	44	.16	21	60	36	48	.20	21	68	44	56	.22
22	56	33	45	.16	22	61	36	49	.20	22	68	44	56	.22
23	56	33	45	.16	23	61	37	49	.20	23	68	44	56	.22
24	56	33	45	.16	24	61	37	49	.21	24	69	44	57	.22
25	56	34	45	.16	25	61	37	49	.21	25	69	45	57	.22
26	56	34	45	.17	26	61	37	49	.21	26	69	45	57	.22
27	56	34	45	.17	27	62	38	50	.21	27	70	45	58	.21
28	56	34	45	.17	28	62	38	50	.21	28	70	46	58	.21
29	56	34	45	.17	29	**	**	**	***	29	70	46	58	.21
30	56	34	45	.17	30	**	**	**	***	30	71	46	59	.21
31	57	34	46	.17	31	**	**	**	***	31	71	46	59	.21

Normal Monthly Values:

55.5 33.7 44.6 5.14

Normal Monthly Values:

59.1 35.3 47.2 5.34

Normal Monthly Values:

66.4 42.3 54.3 6.85

Normal annual values:

74.8 51.2 63.0 56.10

The daily values listed in these tables are not simple means of observed daily values. They have been interpolated from the monthly normals by use of the natural spline function. The average temperature was computed by adding the maximum to the minimum, dividing by two, and rounding to the nearest degree. The daily precipitation values do not exhibit the typical daily random patterns. However, they may be used to compute normal precipitation accumulations over time intervals. In leap years use the February 28th values for the 29th. Temperatures are in degrees Fahrenheit. Precipitation is in inches.

DAILY NORMALS OF AIR TEMPERATURE AND PRECIPITATION
BASED ON 1951-80 DATA

Station: AUBURN State: ALABAMA Number:01-0430-9

	April					May					June				
DAY	MAX	MIN	AVG	PRECIP		DAY	MAX	MIN	AVG	PRECIP		DAY	MAX	MIN	AVG	PRECIP
1	71	47	59	.20		1	80	55	68	.15		1	87	62	75	.12
2	72	47	60	.20		2	80	55	68	.15		2	87	63	75	.12
3	72	47	60	.20		3	80	55	68	.15		3	87	63	75	.12
4	73	47	60	.20		4	80	55	68	.15		4	87	63	75	.11
5	73	48	61	.20		5	81	56	69	.15		5	88	63	76	.11
6	73	48	61	.19		6	81	56	69	.15		6	88	64	76	.11
7	73	48	61	.19		7	81	56	69	.15		7	88	64	76	.11
8	74	48	61	.19		8	81	56	69	.15		8	88	64	76	.11
9	74	49	62	.19		9	81	57	69	.14		9	88	64	76	.11
10	74	49	62	.19		10	82	57	70	.14		10	89	64	77	.12
11	75	49	62	.18		11	82	57	70	.14		11	89	65	77	.12
12	75	49	62	.18		12	82	57	70	.14		12	89	65	77	.12
13	75	50	63	.18		13	82	58	70	.14		13	89	65	77	.12
14	76	50	63	.18		14	83	58	71	.14		14	89	65	77	.12
15	76	50	63	.18		15	83	58	71	.14		15	89	65	77	.12
16	76	51	64	.17		16	83	58	71	.14		16	89	65	77	.12
17	76	51	64	.17		17	83	59	71	.14		17	89	66	78	.12
18	77	51	64	.17		18	83	59	71	.13		18	90	66	78	.13
19	77	51	64	.17		19	84	59	72	.13		19	90	66	78	.13
20	77	52	65	.17		20	84	59	72	.13		20	90	66	78	.13
21	77	52	65	.17		21	84	60	72	.13		21	90	66	78	.13
22	78	52	65	.17		22	84	60	72	.13		22	90	66	78	.14
23	78	52	65	.16		23	85	60	73	.13		23	90	67	79	.14
24	78	53	66	.16		24	85	60	73	.13		24	90	67	79	.14
25	78	53	66	.16		25	85	61	73	.13		25	90	67	79	.15
26	79	53	66	.16		26	85	61	73	.13		26	90	67	79	.15
27	79	53	66	.16		27	85	61	73	.12		27	90	67	79	.15
28	79	54	67	.16		28	86	61	74	.12		28	90	67	79	.16
29	79	54	67	.16		29	86	62	74	.12		29	90	67	79	.16
30	80	54	67	.15		30	86	62	74	.12		30	90	67	79	.16
31	**	**	**	***		31	86	62	74	.12		31	**	**	**	***
Normal Monthly Values:						Normal Monthly Values:						Normal Monthly Values:				
	75.8	50.4	63.1	5.31			83.0	58.4	70.7	4.23			89.0	65.2	77.1	3.85

Normal annual values:
74.8 51.2 63.0 56.10

The daily values listed in these tables are not simple means of observed daily values. They have been interpolated from the monthly normals by use of the natural spline function. The average temperature was computed by adding the maximum to the minimum, dividing by two, and rounding to the nearest degree. The daily precipitation values do not exhibit the typical daily random patterns. However, they may be used to compute normal precipitation accumulations over time intervals. In leap years use the February 28th values for the 29th. Temperatures are in degrees Fahrenheit. Precipitation is in inches.

DAILY NORMALS OF AIR TEMPERATURE AND PRECIPITATION
BASED ON 1951-80 DATA

Station: AUBURN State: ALABAMA Number:01-0430-9

	July				August				September			
DAY	MAX	MIN	AVG	PRECIP	MAX	MIN	AVG	PRECIP	MAX	MIN	AVG	PRECIP
1	90	67	79	.17	91	69	80	.15	89	67	78	.13
2	90	68	79	.17	91	69	80	.15	89	67	78	.13
3	90	68	79	.18	91	69	80	.14	89	67	78	.14
4	90	68	79	.18	91	69	80	.14	89	67	78	.14
5	90	68	79	.18	91	69	80	.13	89	66	78	.14
6	90	68	79	.19	91	68	80	.13	88	66	77	.14
7	90	68	79	.19	91	68	80	.12	88	66	77	.15
8	90	68	79	.19	91	68	80	.12	88	66	77	.15
9	90	68	79	.19	91	68	80	.12	88	66	77	.15
10	90	68	79	.19	91	68	80	.11	88	66	77	.15
11	90	68	79	.20	91	68	80	.11	87	65	76	.15
12	90	68	79	.20	91	68	80	.11	87	65	76	.15
13	91	68	80	.20	91	68	80	.11	87	65	76	.15
14	91	68	80	.20	91	68	80	.11	87	65	76	.15
15	91	69	80	.20	91	68	80	.11	87	64	76	.15
16	91	69	80	.20	91	68	80	.10	86	64	75	.15
17	91	69	80	.20	91	68	80	.10	86	64	75	.15
18	91	69	80	.20	91	68	80	.10	86	63	75	.15
19	91	69	80	.19	90	68	79	.10	85	63	74	.15
20	91	69	80	.19	90	68	79	.10	85	63	74	.15
21	91	69	80	.19	90	68	79	.10	85	62	74	.15
22	91	69	80	.19	90	68	79	.10	85	62	74	.15
23	91	69	80	.19	90	68	79	.11	84	62	73	.15
24	91	69	80	.18	90	67	79	.11	84	61	73	.14
25	91	69	80	.18	90	67	79	.11	84	61	73	.14
26	91	69	80	.18	90	67	79	.11	83	60	72	.14
27	91	69	80	.17	90	67	79	.11	83	60	72	.14
28	91	69	80	.17	90	67	79	.12	83	60	72	.13
29	91	69	80	.16	90	67	79	.12	82	59	71	.13
30	91	69	80	.16	89	67	78	.12	82	59	71	.13
31	91	69	80	.16	89	67	78	.12	**	**	**	***

Normal Monthly Values:

90.6 68.5 79.6 5.74

Normal Monthly Values:

90.5 67.9 79.2 3.59

Normal Monthly Values:

86.1 63.7 74.9 4.32

Normal annual values:

74.8 51.2 63.0 56.10

The daily values listed in these tables are not simple means of observed daily values. They have been interpolated from the monthly normals by use of the natural spline function. The average temperature was computed by adding the maximum to the minimum, dividing by two, and rounding to the nearest degree. The daily precipitation values do not exhibit the typical daily random patterns. However, they may be used to compute normal precipitation accumulations over time intervals. In leap years use the February 28th values for the 29th. Temperatures are in degrees Fahrenheit. Precipitation is in inches.

DAILY NORMALS OF AIR TEMPERATURE AND PRECIPITATION
BASED ON 1951-80 DATA

Station: AUBURN State: ALABAMA Number:01-0430-9

	October				November					December				
DAY	MAX	MIN	AVG	PRECIP	DAY	MAX	MIN	AVG	PRECIP	DAY	MAX	MIN	AVG	PRECIP
1	82	58	70	.12	1	71	46	59	.09	1	62	38	50	.15
2	81	57	69	.12	2	71	45	58	.09	2	62	38	50	.16
3	81	57	69	.12	3	70	45	58	.09	3	61	38	50	.16
4	81	57	69	.11	4	70	45	58	.09	4	61	37	49	.16
5	80	56	68	.11	5	70	45	58	.09	5	61	37	49	.17
6	80	56	68	.11	6	69	44	57	.09	6	60	37	49	.17
7	80	55	68	.10	7	69	44	57	.09	7	60	37	49	.17
8	79	55	67	.10	8	69	44	57	.10	8	60	37	49	.17
9	79	54	67	.10	9	69	43	56	.10	9	60	37	49	.17
10	79	54	67	.10	10	68	43	56	.10	10	59	36	48	.18
11	78	53	66	.09	11	68	43	56	.10	11	59	36	48	.18
12	78	53	66	.09	12	68	43	56	.10	12	59	36	48	.18
13	78	52	65	.09	13	67	42	55	.11	13	59	36	48	.18
14	77	52	65	.09	14	67	42	55	.11	14	59	36	48	.18
15	77	52	65	.09	15	67	42	55	.11	15	58	36	47	.18
16	77	51	64	.09	16	66	42	54	.11	16	58	36	47	.18
17	76	51	64	.08	17	66	41	54	.12	17	58	35	47	.18
18	76	50	63	.08	18	66	41	54	.12	18	58	35	47	.18
19	76	50	63	.08	19	65	41	53	.12	19	58	35	47	.19
20	75	50	63	.08	20	65	41	53	.12	20	57	35	46	.19
21	75	49	62	.08	21	65	40	53	.12	21	57	35	46	.19
22	75	49	62	.08	22	64	40	52	.13	22	57	35	46	.19
23	74	49	62	.08	23	64	40	52	.13	23	57	35	46	.18
24	74	48	61	.08	24	64	40	52	.13	24	57	35	46	.18
25	74	48	61	.08	25	64	39	52	.14	25	57	35	46	.18
26	73	48	61	.08	26	63	39	51	.14	26	56	34	45	.18
27	73	47	60	.08	27	63	39	51	.14	27	56	34	45	.18
28	72	47	60	.08	28	63	39	51	.14	28	56	34	45	.18
29	72	47	60	.08	29	62	38	50	.15	29	56	34	45	.18
30	72	46	59	.08	30	62	38	50	.15	30	56	34	45	.18
31	71	46	59	.08	31	**	**	**	***	31	56	34	45	.18

Normal Monthly Values: Normal Monthly Values: Normal Monthly Values:

76.6 51.5 64.1 2.83 66.5 41.8 54.1 3.42 58.4 35.7 47.0 5.48

Normal annual values:
74.8 51.2 63.0 56.10

The daily values listed in these tables are not simple means of observed daily values. They have been interpolated from the monthly normals by use of the natural spline function. The average temperature was computed by adding the maximum to the minimum, dividing by two, and rounding to the nearest degree. The daily precipitation values do not exhibit the typical daily random patterns. However, they may be used to compute normal precipitation accumulations over time intervals. In leap years use the February 28th values for the 29th. Temperatures are in degrees Fahrenheit. Precipitation is in inches.

Estimated daylength, sunrise and sunset times for: AUBURN, ALABAMA Latitude 32 35 N., Longitude 85 29 W.
All sunrise and sunset calculations are for Central Standard Time.

JANUARY

DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.
1	10:05	6:43	4:48	2	10:05	6:43	4:48	3	10:06	6:43	4:49	4	10:06	6:43	4:50	5	10:07	6:44	4:51
6	10:08	6:44	4:51	7	10:08	6:44	4:52	8	10:09	6:44	4:53	9	10:10	6:44	4:54	10	10:10	6:44	4:54
11	10:11	6:44	4:55	12	10:12	6:44	4:56	13	10:13	6:44	4:57	14	10:14	6:44	4:58	15	10:15	6:44	4:58
16	10:16	6:44	4:59	17	10:17	6:43	5:00	18	10:18	6:43	5:01	19	10:19	6:43	5:02	20	10:20	6:43	5:03
21	10:21	6:42	5:03	22	10:22	6:42	5:04	23	10:23	6:42	5:05	24	10:25	6:41	5:06	25	10:26	6:41	5:07
26	10:27	6:41	5:08	27	10:28	6:40	5:09	28	10:30	6:40	5:10	29	10:31	6:39	5:10	30	10:33	6:39	5:11
31	10:34	6:38	5:12																

FEBRUARY

DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.
1	10:35	6:38	5:13	2	10:37	6:37	5:14	3	10:39	6:36	5:15	4	10:40	6:36	5:16	5	10:42	6:35	5:17
6	10:43	6:34	5:18	7	10:45	6:34	5:19	8	10:47	6:33	5:19	9	10:48	6:32	5:20	10	10:50	6:31	5:21
11	10:52	6:31	5:22	12	10:53	6:30	5:23	13	10:55	6:29	5:24	14	10:57	6:28	5:25	15	10:59	6:27	5:26
16	11:01	6:26	5:27	17	11:03	6:25	5:28	18	11:04	6:24	5:28	19	11:06	6:23	5:29	20	11:08	6:22	5:30
21	11:10	6:21	5:31	22	11:12	6:20	5:32	23	11:14	6:19	5:33	24	11:16	6:18	5:34	25	11:18	6:16	5:35
26	11:20	6:15	5:35	27	11:22	6:14	5:36	28	11:24	6:13	5:37	29	11:26	6:12	5:38				

MARCH

DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.
1	11:28	6:11	5:39	2	11:30	6:09	5:40	3	11:33	6:08	5:41	4	11:35	6:07	5:41	5	11:37	6:06	5:42
6	11:39	6:04	5:43	7	11:41	6:03	5:44	8	11:43	6:02	5:45	9	11:45	6:00	5:46	10	11:47	5:59	5:46
11	11:50	5:58	5:47	12	11:52	5:56	5:48	13	11:54	5:55	5:49	14	11:56	5:54	5:50	15	11:58	5:52	5:50
16	12:00	5:51	5:51	17	12:03	5:49	5:52	18	12:05	5:48	5:53	19	12:07	5:47	5:54	20	12:09	5:45	5:54
21	12:11	5:44	5:55	22	12:13	5:42	5:56	23	12:16	5:41	5:57	24	12:18	5:40	5:57	25	12:20	5:38	5:58
26	12:22	5:37	5:59	27	12:24	5:35	6:00	28	12:26	5:34	6:00	29	12:29	5:33	6:01	30	12:31	5:31	6:02
31	12:33	5:30	6:03																

APRIL

DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.
1	12:35	5:29	6:03	2	12:37	5:27	6:04	3	12:39	5:26	6:05	4	12:41	5:24	6:06	5	12:43	5:23	6:06
6	12:45	5:22	6:07	7	12:48	5:20	6:08	8	12:50	5:19	6:09	9	12:52	5:18	6:09	10	12:54	5:16	6:10
11	12:56	5:15	6:11	12	12:58	5:14	6:12	13	13:00	5:13	6:12	14	13:02	5:11	6:13	15	13:04	5:10	6:14
16	13:05	5:09	6:14	17	13:07	5:08	6:15	18	13:09	5:07	6:16	19	13:11	5:05	6:17	20	13:13	5:04	6:17
21	13:15	5:03	6:18	22	13:17	5:02	6:19	23	13:18	5:01	6:19	24	13:20	5:00	6:20	25	13:22	4:59	6:21
26	13:24	4:58	6:22	27	13:25	4:57	6:22	28	13:27	4:56	6:23	29	13:29	4:55	6:24	30	13:30	4:54	6:24

MAY

DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.
1	13:32	4:53	6:25	2	13:34	4:52	6:26	3	13:35	4:51	6:26	4	13:37	4:50	6:27	5	13:38	4:49	6:28
6	13:40	4:49	6:28	7	13:41	4:48	6:29	8	13:43	4:47	6:30	9	13:44	4:46	6:30	10	13:46	4:46	6:31
11	13:47	4:45	6:32	12	13:48	4:44	6:32	13	13:50	4:43	6:33	14	13:51	4:43	6:34	15	13:52	4:42	6:34
16	13:53	4:42	6:35	17	13:54	4:41	6:36	18	13:56	4:41	6:36	19	13:57	4:40	6:37	20	13:58	4:40	6:37
21	13:59	4:39	6:38	22	14:00	4:39	6:39	23	14:01	4:38	6:39	24	14:02	4:38	6:40	25	14:03	4:38	6:40
26	14:04	4:37	6:41	27	14:05	4:37	6:41	28	14:05	4:37	6:42	29	14:06	4:36	6:42	30	14:07	4:36	6:43
31	14:08	4:36	6:43																

JUNE

DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.
1	14:08	4:36	6:44	2	14:09	4:35	6:44	3	14:10	4:35	6:45	4	14:10	4:35	6:45	5	14:11	4:35	6:46
6	14:11	4:35	6:46	7	14:12	4:35	6:47	8	14:12	4:35	6:47	9	14:13	4:35	6:48	10	14:13	4:35	6:48
11	14:13	4:35	6:48	12	14:14	4:35	6:49	13	14:14	4:35	6:49	14	14:14	4:35	6:49	15	14:14	4:35	6:50
16	14:15	4:35	6:50	17	14:15	4:36	6:50	18	14:15	4:36	6:51	19	14:15	4:36	6:51	20	14:15	4:36	6:51
21	14:15	4:36	6:51	22	14:15	4:36	6:51	23	14:15	4:37	6:52	24	14:15	4:37	6:52	25	14:15	4:37	6:52
26	14:14	4:38	6:52	27	14:14	4:38	6:52	28	14:14	4:38	6:52	29	14:14	4:39	6:52	30	14:13	4:39	6:52

JULY

DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.
1	14:13	4:39	6:52	2	14:13	4:40	6:52	3	14:12	4:40	6:52	4	14:12	4:41	6:52	5	14:11	4:41	6:52
6	14:11	4:41	6:52	7	14:10	4:42	6:52	8	14:10	4:42	6:52	9	14:09	4:43	6:52	10	14:08	4:43	6:51
11	14:08	4:44	6:51	12	14:07	4:44	6:51	13	14:06	4:45	6:51	14	14:05	4:45	6:50	15	14:04	4:46	6:50
16	14:04	4:46	6:50	17	14:03	4:47	6:49	18	14:02	4:47	6:49	19	14:01	4:48	6:49	20	14:00	4:48	6:48
21	13:59	4:49	6:48	22	13:58	4:50	6:47	23	13:57	4:50	6:47	24	13:55	4:51	6:46	25	13:54	4:51	6:46
26	13:53	4:52	6:45	27	13:52	4:53	6:44	28	13:51	4:53	6:44	29	13:49	4:54	6:43	30	13:48	4:54	6:42
31	13:47	4:55	6:42																

AUGUST

DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.
1	13:45	4:56	6:41	2	13:44	4:56	6:40	3	13:43	4:57	6:39	4	13:41	4:57	6:39	5	13:40	4:58	6:38
6	13:38	4:59	6:37	7	13:37	4:59	6:36	8	13:35	5:00	6:35	9	13:34	5:01	6:34	10	13:32	5:01	6:33
11	13:30	5:02	6:32	12	13:29	5:03	6:31	13	13:27	5:03	6:30	14	13:25	5:04	6:29	15	13:24	5:05	6:28
16	13:22	5:05	6:27	17	13:20	5:06	6:26	18	13:18	5:06	6:25	19	13:17	5:07	6:24	20	13:15	5:08	6:23
21	13:13	5:08	6:21	22	13:11	5:09	6:20	23	13:09	5:10	6:19	24	13:07	5:10	6:18	25	13:06	5:11	6:17
26	13:04	5:12	6:15	27	13:02	5:12	6:14	28	13:00	5:13	6:13	29	12:58	5:14	6:11	30	12:56	5:14	6:10
31	12:54	5:15	6:09																

SEPTEMBER

DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.
1	12:52	5:16	6:07	2	12:50	5:16	6:06	3	12:48	5:17	6:05	4	12:46	5:18	6:03	5	12:44	5:18	6:02
6	12:42	5:19	6:01	7	12:39	5:20	5:59	8	12:37	5:20	5:58	9	12:35	5:21	5:56	10	12:33	5:22	5:55
11	12:31	5:22	5:54	12	12:29	5:23	5:52	13	12:27	5:24	5:51	14	12:25	5:25	5:49	15	12:23	5:25	5:48
16	12:20	5:26	5:46	17	12:18	5:27	5:45	18	12:16	5:27	5:43	19	12:14	5:28	5:42	20	12:12	5:29	5:41
21	12:10	5:29	5:39	22	12:07	5:30	5:38	23	12:05	5:31	5:36	24	12:03	5:32	5:35	25	12:01	5:32	5:33
26	11:59	5:33	5:32	27	11:57	5:34	5:30	28	11:54	5:35	5:29	29	11:52	5:35	5:28	30	11:50	5:36	5:26

OCTOBER

DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.
1	11:48	5:37	5:25	2	11:46	5:38	5:23	3	11:44	5:38	5:22	4	11:42	5:39	5:21	5	11:40	5:40	5:19
6	11:37	5:41	5:18	7	11:35	5:41	5:17	8	11:33	5:42	5:15	9	11:31	5:43	5:14	10	11:29	5:44	5:13
11	11:27	5:45	5:12	12	11:25	5:45	5:10	13	11:23	5:46	5:09	14	11:21	5:47	5:08	15	11:19	5:48	5:07
16	11:17	5:49	5:05	17	11:15	5:49	5:04	18	11:13	5:50	5:03	19	11:11	5:51	5:02	20	11:09	5:52	5:01
21	11:07	5:53	5:00	22	11:05	5:53	4:59	23	11:03	5:54	4:58	24	11:01	5:55	4:57	25	11:00	5:56	4:56
26	10:58	5:57	4:55	27	10:56	5:58	4:54	28	10:54	5:59	4:53	29	10:52	5:59	4:52	30	10:51	6:00	4:51
31	10:49	6:01	4:50																

NOVEMBER

DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.
1	10:47	6:02	4:49	2	10:46	6:03	4:48	3	10:44	6:04	4:48	4	10:42	6:05	4:47	5	10:41	6:05	4:46
6	10:39	6:06	4:46	7	10:38	6:07	4:45	8	10:36	6:08	4:44	9	10:35	6:09	4:44	10	10:33	6:10	4:43
11	10:32	6:11	4:42	12	10:30	6:11	4:42	13	10:29	6:12	4:41	14	10:28	6:13	4:41	15	10:26	6:14	4:40
16	10:25	6:15	4:40	17	10:24	6:16	4:40	18	10:23	6:17	4:39	19	10:22	6:17	4:39	20	10:20	6:18	4:39
21	10:19	6:19	4:38	22	10:18	6:20	4:38	23	10:17	6:21	4:38	24	10:16	6:22	4:38	25	10:15	6:22	4:37
26	10:14	6:23	4:37	27	10:13	6:24	4:37	28	10:12	6:25	4:37	29	10:12	6:25	4:37	30	10:11	6:26	4:37

DECEMBER

DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.	DATE	DAY LENGTH	RISE A.M.	SET P.M.
1	10:10	6:27	4:37	2	10:09	6:28	4:37	3	10:09	6:29	4:37	4	10:08	6:29	4:37	5	10:07	6:30	4:37
6	10:07	6:31	4:37	7	10:06	6:31	4:37	8	10:06	6:32	4:38	9	10:05	6:33	4:38	10	10:05	6:33	4:38
11	10:04	6:34	4:38	12	10:04	6:35	4:39	13	10:04	6:35	4:39	14	10:03	6:36	4:39	15	10:03	6:36	4:40
16	10:03	6:37	4:40	17	10:03	6:38	4:40	18	10:03	6:38	4:41	19	10:03	6:39	4:41	20	10:02	6:39	4:42
21	10:02	6:40	4:42	22	10:02	6:40	4:42	23	10:03	6:40	4:43	24	10:03	6:41	4:43	25	10:03	6:41	4:44
26	10:03	6:42	4:45	27	10:03	6:42	4:45	28	10:03	6:42	4:46	29	10:04	6:43	4:46	30	10:04	6:43	4:47
31	10:04	6:43	4:48																

**** Add 1 hour to the above sunrise and sunset values for Daylight Savings Time if and when used.

NOTE: The above times are only estimates and should NOT be considered official. However, comparisons with major cities in the Southeasern United States have shown that the above values are generally within 5 minutes of officially published tables. An additional error of less than 1 minute for each 9 miles from the above latitude and longitude exists. The above estimates may be used in any year of the twentieth century. These daylength, sunrise and sunset estimates are provided by the National Weather Service at Auburn, Alabama.

1990

PRECIPITATION SUMMARY FOR AAES SUBSTATIONS

FOR THE PERIOD: THURSDAY, JANUARY 1, 1990, THROUGH THURSDAY, DECEMBER 31, 1990

STATION	ACTUAL TOTAL	NORMAL	DIFF	% OF NORMAL
AUBURN	43.43	56.10	-12.67	77
BELLE MINA	68.76	53.09	+15.67	130
BREWTON	60.10	62.37	-2.27	96
CLANTON	52.58	57.39	-4.81	92
CAMDEN	51.68	57.73	-6.05	90
CAMP HILL	50.24	56.63	-6.39	89
CROSSVILLE	67.31	54.65	+12.66	123
FAIRHOPE	59.79	64.11	-4.32	93
HEADLAND	37.57	54.65	-17.08	69
MARION JUNCTION	53.79	53.10	+.69	101
SHORTER	54.36	52.67	-1.31	98
WINFIELD	69.20	56.51	+12.69	122

1990 DAILY WEATHER FOR AAES SUBSTATIONS, WITH MONTHLY SUMMARIES

Daily Weather Observations: Tennessee Valley Substation, Belle Mina

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
1/ 1	58	31	45	4	0	0	.00	53	41	47	NA	NA	NA	.04
1/ 2	45	29	37	-4	0	0	.00	44	38	41	NA	NA	NA	.00
1/ 3	50	30	40	-1	0	0	.00	44	38	41	NA	NA	NA	.00
1/ 4	60	35	48	7	0	0	.77	48	39	44	NA	NA	NA	.04
1/ 5	60	39	50	9	0	0	.28	53	47	50	NA	NA	NA	.03
1/ 6	46	39	43	2	0	0	.86	47	46	47	NA	NA	NA	.00
1/ 7	50	39	45	5	0	0	.00	47	46	47	NA	NA	NA	.00
1/ 8	45	38	42	2	0	0	1.10	44	44	44	NA	NA	NA	.00
1/ 9	50	32	41	1	0	0	.00	49	40	45	NA	NA	NA	.00
1/10	62	35	49	9	0	0	.00	49	38	44	NA	NA	NA	.06
1/11	57	34	46	6	0	0	.00	51	41	46	NA	NA	NA	.03
1/12	65	34	50	10	0	0	.00	53	40	47	NA	NA	NA	.08
1/13	43	22	33	-7	0	0	.00	45	36	41	NA	NA	NA	.00
1/14	45	22	34	-6	0	0	.00	43	36	40	NA	NA	NA	.00
1/15	56	32	44	4	0	0	.00	46	37	42	NA	NA	NA	.03
1/16	60	45	53	13	0	3	.00	49	43	46	NA	NA	NA	.01
1/17	72	45	59	19	0	12	.00	56	46	51	NA	NA	NA	.09
1/18	70	54	62	22	2	24	.94	57	51	54	NA	NA	NA	.05
1/19	61	43	52	12	2	26	.00	57	50	54	NA	NA	NA	.03
1/20	65	44	55	15	2	31	.00	56	50	53	NA	NA	NA	.05
1/21	62	45	54	14	2	35	1.61	57	52	55	NA	NA	NA	.03
1/22	48	30	39	-1	2	35	.00	53	42	48	NA	NA	NA	.00
1/23	61	30	46	6	2	35	.00	53	41	47	NA	NA	NA	.07
1/24	60	35	48	7	2	35	.01	49	42	46	NA	NA	NA	.05
1/25	57	52	55	14	2	40	.62	50	48	49	NA	NA	NA	.00
1/26	57	27	42	1	2	40	.00	51	39	45	NA	NA	NA	.06
1/27	53	27	40	-1	2	40	.00	50	39	45	NA	NA	NA	.03
1/28	61	33	47	6	2	40	.00	52	40	46	NA	NA	NA	.07
1/29	61	41	51	10	2	41	.81	51	43	47	NA	NA	NA	.04
1/30	58	28	43	1	2	41	.31	50	39	45	NA	NA	NA	.06
1/31	49	28	39	-3	2	41	.00	51	38	45	NA	NA	NA	.01

AIR TEMPERATURES (in degrees F):
Mean Maximum= 56.4 Mean Minimum= 35.4 Average= 45.9
DFN= +6.0 DFN= +5.1 DFN= +5.5
Highest= 72 Lowest= 22

PRECIPITATION STATISTICS (inches):
Total= 7.31 DFN= +2.10 Greatest Daily= 1.61 Rain Days= 10

SOIL TEMPERATURES (in degrees F):
Highest= 57 Lowest= 36 Average= 46

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .03 (in)

Daily Weather Observations: Tennessee Valley Substation, Belle Mina

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
2/ 1	61	30	46	4	0	0	.00	53	38	46	NA	NA	NA	.08
2/ 2	71	43	57	15	0	7	.07	55	43	49	NA	NA	NA	.10
2/ 3	72	58	65	23	5	22	.59	64	55	60	NA	NA	NA	.06
2/ 4	70	49	60	18	5	32	1.98	61	57	59	NA	NA	NA	.08
2/ 5	50	33	42	0	5	32	.00	57	43	50	NA	NA	NA	.00
2/ 6	58	32	45	3	5	32	.00	58	42	50	NA	NA	NA	.06
2/ 7	56	40	48	6	5	32	.05	50	45	48	NA	NA	NA	.02
2/ 8	65	39	52	10	5	34	.00	62	47	55	NA	NA	NA	.08
2/ 9	65	41	53	10	5	37	.01	57	47	52	NA	NA	NA	.07
2/10	68	45	57	14	5	44	2.09	57	54	56	NA	NA	NA	.08
2/11	56	29	43	0	5	44	.00	57	45	51	NA	NA	NA	.06
2/12	63	34	49	6	5	44	.00	57	43	50	NA	NA	NA	.09
2/13	71	36	54	10	5	48	.00	62	45	54	NA	NA	NA	.13
2/14	70	50	60	16	5	58	.00	59	48	54	NA	NA	NA	.08
2/15	71	58	65	21	10	73	.30	61	54	58	NA	NA	NA	.06
2/16	66	61	64	20	14	87	2.20	60	59	60	NA	NA	NA	.02
2/17	65	35	50	5	14	87	.21	63	46	55	NA	NA	NA	.10
2/18	46	35	41	-4	14	87	.00	52	44	48	NA	NA	NA	.00
2/19	55	36	46	1	14	87	.24	49	44	47	NA	NA	NA	.03
2/20	61	32	47	2	14	87	.00	58	42	50	NA	NA	NA	.09
2/21	61	32	47	2	14	87	.00	57	42	50	NA	NA	NA	.09
2/22	62	44	53	7	14	90	.39	54	43	49	NA	NA	NA	.06
2/23	66	47	57	11	14	97	.02	58	50	54	NA	NA	NA	.07
2/24	48	35	42	-4	14	97	.01	50	42	46	NA	NA	NA	.00
2/25	57	23	40	-6	14	97	.00	56	38	47	NA	NA	NA	.09
2/26	42	23	33	-14	14	97	.00	49	37	43	NA	NA	NA	.00
2/27	61	27	44	-3	14	97	.00	55	37	46	NA	NA	NA	.11
2/28	69	36	53	6	14	100	.00	60	42	51	NA	NA	NA	.13

AIR TEMPERATURES (in degrees F):
Mean Maximum= 61.6 Mean Minimum= 38.7 Average= 50.2
DFN= +6.6 DFN= +6.2 DFN= +6.4
Highest= 72 Lowest= 23

PRECIPITATION STATISTICS (inches):
Total= 8.16 DFN= +3.52 Greatest Daily= 2.20 Rain Days= 13

SOIL TEMPERATURES (in degrees F):
Highest= 64 Lowest= 37 Average= 51

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .07 (in)

Daily Weather Observations: Tennessee Valley Substation, Belle Mina

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
3/ 1	65	41	53	6	0	3	.00	59	47	53	NA	NA	NA	.09
3/ 2	50	40	45	-3	0	3	.99	49	47	48	NA	NA	NA	.00
3/ 3	52	37	45	-3	0	3	1.04	51	45	48	NA	NA	NA	.02
3/ 4	63	32	48	0	0	3	.00	61	43	52	NA	NA	NA	.11
3/ 5	59	32	46	-3	0	3	.00	60	41	51	NA	NA	NA	.09
3/ 6	69	33	51	2	0	4	.00	63	42	53	NA	NA	NA	.15
3/ 7	73	42	58	9	0	12	.00	62	46	54	NA	NA	NA	.14
3/ 8	67	45	56	7	0	18	.25	58	52	55	NA	NA	NA	.10
3/ 9	51	42	47	-3	0	18	1.52	51	51	51	NA	NA	NA	.01
3/10	64	50	57	7	0	25	.00	59	50	55	NA	NA	NA	.06
3/11	75	53	64	14	4	39	.00	68	50	59	NA	NA	NA	.13
3/12	80	54	67	17	11	56	.00	70	55	63	NA	NA	NA	.15
3/13	78	55	67	16	18	73	.00	71	57	64	NA	NA	NA	.14
3/14	82	55	69	18	27	92	.00	71	59	65	NA	NA	NA	.17
3/15	80	58	69	18	36	111	.00	72	57	65	NA	NA	NA	.14
3/16	71	52	62	10	38	123	2.68	64	58	61	NA	NA	NA	.11
3/17	56	46	51	-1	38	124	.44	59	53	56	NA	NA	NA	.03
3/18	61	40	51	-1	38	125	.00	67	50	59	NA	NA	NA	.08
3/19	66	40	53	0	38	128	.00	70	48	59	NA	NA	NA	.12
3/20	50	27	39	-14	38	128	Trace	54	39	47	NA	NA	NA	.06
3/21	51	28	40	-13	38	128	.00	60	39	50	NA	NA	NA	.06
3/22	65	30	48	-5	38	128	.00	66	40	53	NA	NA	NA	.14
3/23	74	42	58	4	38	136	.00	69	46	58	NA	NA	NA	.16
3/24	74	46	60	6	38	146	.00	75	51	63	NA	NA	NA	.15
3/25	66	40	53	-1	38	149	.00	70	51	61	NA	NA	NA	.12
3/26	57	41	49	-6	38	149	Trace	67	50	59	NA	NA	NA	.06
3/27	48	33	41	-14	38	149	.08	54	43	49	NA	NA	NA	.03
3/28	63	36	50	-5	38	149	.00	65	43	54	NA	NA	NA	.12
3/29	65	47	56	0	38	155	.22	62	50	56	NA	NA	NA	.10
3/30	58	51	55	-1	38	160	.20	58	54	56	NA	NA	NA	.04
3/31	64	51	58	1	38	168	.60	59	54	57	NA	NA	NA	.08

AIR TEMPERATURES (in degrees F):
Mean Maximum= 64.4 Mean Minimum= 42.5 Average= 53.5
DFN= +1.2 DFN= +2.8 DFN= +2.0
Highest= 82 Lowest= 27

PRECIPITATION STATISTICS (inches):
Total= 8.02 DFN= +1.52 Greatest Daily= 2.68 Rain Days= 10

SOIL TEMPERATURES (in degrees F):
Highest= 75 Lowest= 39 Average= 56

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .10 (in)

Daily Weather Observations: Tennessee Valley Substation, Belle Mina

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
4/ 1	72	52	62	5	2	12	.00	73	57	65	NA	NA	NA	.13
4/ 2	73	50	62	4	4	24	.00	70	57	64	NA	NA	NA	.14
4/ 3	67	39	53	-5	4	27	Trace	70	50	60	NA	NA	NA	.14
4/ 4	59	33	46	-12	4	27	.00	65	46	56	NA	NA	NA	.11
4/ 5	66	33	50	-9	4	27	.00	71	46	59	NA	NA	NA	.15
4/ 6	73	47	60	1	4	37	.00	76	53	65	NA	NA	NA	.15
4/ 7	49	30	40	-20	4	37	.45	58	43	51	NA	NA	NA	.06
4/ 8	55	30	43	-17	4	37	.00	65	42	54	NA	NA	NA	.09
4/ 9	65	30	48	-12	4	37	.00	68	43	56	NA	NA	NA	.16
4/10	75	44	60	0	4	47	.00	71	50	61	NA	NA	NA	.18
4/11	71	45	58	-3	4	55	.35	63	54	59	NA	NA	NA	.15
4/12	63	35	49	-12	4	55	.00	67	47	57	NA	NA	NA	.13
4/13	59	35	47	-14	4	55	.00	71	47	59	NA	NA	NA	.11
4/14	69	35	52	-10	4	57	.00	73	48	61	NA	NA	NA	.17
4/15	67	49	58	-4	4	65	.13	62	55	59	NA	NA	NA	.12
4/16	70	51	61	-1	5	76	.00	73	55	64	NA	NA	NA	.13
4/17	75	53	64	2	9	90	.00	75	58	67	NA	NA	NA	.15
4/18	78	39	59	-4	9	99	.21	74	47	61	NA	NA	NA	.22
4/19	67	39	53	-10	9	102	.00	69	47	58	NA	NA	NA	.15
4/20	70	53	62	-1	11	114	.00	70	53	62	NA	NA	NA	.12
4/21	76	57	67	4	18	131	.84	72	60	66	NA	NA	NA	.15
4/22	70	55	63	-1	21	144	1.76	68	62	65	NA	NA	NA	.12
4/23	78	53	66	2	27	160	.00	80	61	71	NA	NA	NA	.18
4/24	83	55	69	5	36	179	.00	83	61	72	NA	NA	NA	.20
4/25	85	59	72	7	48	201	.00	86	64	75	NA	NA	NA	.20
4/26	85	57	71	6	59	222	.00	86	65	76	NA	NA	NA	.21
4/27	85	58	72	7	71	244	.00	88	65	77	NA	NA	NA	.21
4/28	83	60	72	7	83	266	.63	84	66	75	NA	NA	NA	.19
4/29	70	52	61	-4	84	277	.08	73	61	67	NA	NA	NA	.13
4/30	84	52	68	2	92	295	.00	82	59	71	NA	NA	NA	.22

AIR TEMPERATURES (in degrees F):
Mean Maximum= 71.4 Mean Minimum= 46.0 Average= 58.7
DFN= -2.8 DFN= -2.9 DFN= -2.8
Highest= 85 Lowest= 30

PRECIPITATION STATISTICS (inches):
Total= 4.45 DFN= -.37 Greatest Daily= 1.76 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 88 Lowest= 42 Average= 63

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .15 (in)

Daily Weather Observations: Tennessee Valley Substation, Belle Mina

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
5/ 1	77	63	70	4	10	20	.00	74	67	71	NA	NA	NA	.14
5/ 2	84	59	72	6	22	42	.52	80	65	73	NA	NA	NA	.20
5/ 3	74	59	67	1	29	59	.00	77	65	71	NA	NA	NA	.14
5/ 4	87	66	77	10	46	86	.00	79	67	73	NA	NA	NA	.20
5/ 5	80	58	69	2	55	105	1.06	79	67	73	NA	NA	NA	.18
5/ 6	63	42	53	-14	55	108	.00	70	56	63	NA	NA	NA	.12
5/ 7	69	43	56	-11	55	114	.00	76	54	65	NA	NA	NA	.16
5/ 8	75	46	61	-6	56	125	.00	83	55	69	NA	NA	NA	.19
5/ 9	78	51	65	-3	61	140	.08	80	58	69	NA	NA	NA	.19
5/10	68	51	60	-8	61	150	.94	73	63	68	NA	NA	NA	.13
5/11	65	43	54	-14	61	154	.00	72	54	63	NA	NA	NA	.14
5/12	67	46	57	-11	61	161	.03	68	54	61	NA	NA	NA	.14
5/13	77	56	67	-2	68	178	.23	73	59	66	NA	NA	NA	.17
5/14	80	55	68	-1	76	196	.00	80	63	72	NA	NA	NA	.19
5/15	84	56	70	1	86	216	.00	82	63	73	NA	NA	NA	.22
5/16	88	63	76	7	102	242	.00	85	67	76	NA	NA	NA	.22
5/17	87	67	77	8	119	269	.01	90	70	80	NA	NA	NA	.20
5/18	79	53	66	-4	125	285	.00	80	64	72	NA	NA	NA	.20
5/19	81	54	68	-2	133	303	.00	89	65	77	NA	NA	NA	.21
5/20	85	61	73	3	146	326	1.01	89	70	80	NA	NA	NA	.21
5/21	74	59	67	-3	153	343	.67	74	66	70	NA	NA	NA	.15
5/22	75	55	65	-6	158	358	.48	73	64	69	NA	NA	NA	.17
5/23	62	54	58	-13	158	366	.00	66	60	63	NA	NA	NA	.09
5/24	70	53	62	-9	160	378	.00	71	60	66	NA	NA	NA	.14
5/25	79	54	67	-4	167	395	.00	82	60	71	NA	NA	NA	.19
5/26	85	63	74	3	181	419	.00	82	65	74	NA	NA	NA	.20
5/27	86	66	76	4	197	445	.00	87	69	78	NA	NA	NA	.20
5/28	84	66	75	3	212	470	.00	87	70	79	NA	NA	NA	.19
5/29	78	53	66	-6	218	486	.00	83	63	73	NA	NA	NA	.19
5/30	80	54	67	-6	225	503	.00	86	63	75	NA	NA	NA	.20
5/31	83	56	70	-3	235	523	.00	89	65	77	NA	NA	NA	.22

AIR TEMPERATURES (in degrees F):
Mean Maximum= 77.5 Mean Minimum= 55.6 Average= 66.6
DFN= -3.7 DFN= -1.0 DFN= -2.4
Highest= 88 Lowest= 42

PRECIPITATION STATISTICS (inches):
Total= 5.03 DFN= +.67 Greatest Daily= 1.06 Rain Days= 10

SOIL TEMPERATURES (in degrees F):
Highest= 90 Lowest= 54 Average= 71

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .18 (in)

Daily Weather Observations: Tennessee Valley Substation, Belle Mina

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
6/ 1	85	61	73	0	13	23	.00	91	68	80	NA	NA	NA	.21
6/ 2	83	68	76	3	29	49	.00	85	73	79	NA	NA	NA	.18
6/ 3	89	65	77	3	46	76	1.65	90	73	82	NA	NA	NA	.23
6/ 4	78	66	72	-2	58	98	.60	78	71	75	NA	NA	NA	.15
6/ 5	79	51	65	-9	63	113	.00	85	63	74	NA	NA	NA	.21
6/ 6	81	54	68	-6	71	131	.00	88	63	76	NA	NA	NA	.21
6/ 7	91	62	77	3	88	158	.00	92	67	80	NA	NA	NA	.25
6/ 8	91	69	80	5	108	188	.00	96	73	85	NA	NA	NA	.23
6/ 9	92	69	81	6	129	219	.00	96	76	86	NA	NA	NA	.23
6/10	92	69	81	6	150	250	.00	99	76	88	NA	NA	NA	.23
6/11	87	63	75	0	165	275	.00	95	73	84	NA	NA	NA	.22
6/12	87	58	73	-3	178	298	.00	95	71	83	NA	NA	NA	.24
6/13	88	60	74	-2	192	322	.00	95	71	83	NA	NA	NA	.24
6/14	90	65	78	2	210	350	.00	93	73	83	NA	NA	NA	.23
6/15	92	67	80	4	230	380	.20	95	75	85	NA	NA	NA	.24
6/16	91	70	81	5	251	411	.00	93	78	86	NA	NA	NA	.22
6/17	91	71	81	5	272	442	.00	97	78	88	NA	NA	NA	.22
6/18	89	70	80	3	292	472	.00	90	77	84	NA	NA	NA	.21
6/19	87	66	77	0	309	499	1.32	87	74	81	NA	NA	NA	.21
6/20	90	65	78	1	327	527	.00	91	73	82	NA	NA	NA	.23
6/21	94	65	80	3	347	557	.00	75	73	74	NA	NA	NA	.26
6/22	88	67	78	1	365	585	.02	88	75	82	NA	NA	NA	.21
6/23	88	65	77	0	382	612	.10	93	74	84	NA	NA	NA	.22
6/24	83	60	72	-6	394	634	.00	93	72	83	NA	NA	NA	.20
6/25	84	60	72	-6	406	656	.00	92	71	82	NA	NA	NA	.21
6/26	86	58	72	-6	418	678	.00	94	72	83	NA	NA	NA	.23
6/27	90	60	75	-3	433	703	.00	97	72	85	NA	NA	NA	.25
6/28	93	62	78	0	451	731	.00	97	73	85	NA	NA	NA	.26
6/29	95	66	81	3	472	762	.00	100	77	89	NA	NA	NA	.26
6/30	95	68	82	4	494	794	.00	99	78	89	NA	NA	NA	.25

AIR TEMPERATURES (in degrees F):
Mean Maximum= 88.3 Mean Minimum= 64.0 Average= 76.1
DFN= +.4 DFN= +.1 DFN= +.3
Highest= 95 Lowest= 51

PRECIPITATION STATISTICS (inches):
Total= 3.89 DFN= +.51 Greatest Daily= 1.65 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 100 Lowest= 63 Average= 82

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .22 (in)

Daily Weather Observations: Tennessee Valley Substation, Belle Mina

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
7/ 1	93	70	82	4	22	32	.00	100	79	90	NA	NA	NA	.24
7/ 2	94	71	83	4	45	65	.00	100	80	90	NA	NA	NA	.24
7/ 3	97	64	81	2	66	96	.00	78	NA	NA	NA	NA	NA	.28
7/ 4	95	68	82	3	88	128	.00	98	78	88	NA	NA	NA	.25
7/ 5	95	66	81	2	109	159	.00	101	79	90	NA	NA	NA	.26
7/ 6	95	67	81	2	130	190	.00	101	79	90	NA	NA	NA	.26
7/ 7	96	71	84	5	154	224	.00	103	81	92	NA	NA	NA	.25
7/ 8	97	71	84	5	178	258	.00	102	82	92	NA	NA	NA	.26
7/ 9	101	71	86	7	204	294	.00	103	83	93	NA	NA	NA	.28
7/10	89	69	79	0	223	323	.12	94	79	87	NA	NA	NA	.21
7/11	93	71	82	3	245	355	.00	98	79	89	NA	NA	NA	.23
7/12	93	69	81	2	266	386	1.08	99	78	89	NA	NA	NA	.24
7/13	86	66	76	-3	282	412	.83	89	75	82	NA	NA	NA	.20
7/14	76	63	70	-9	292	432	.04	80	75	78	NA	NA	NA	.15
7/15	78	58	68	-12	300	450	.00	86	71	79	NA	NA	NA	.18
7/16	80	60	70	-10	310	470	.00	88	70	79	NA	NA	NA	.18
7/17	85	61	73	-7	323	493	.00	93	70	82	NA	NA	NA	.21
7/18	87	64	76	-4	339	519	.00	90	73	82	NA	NA	NA	.21
7/19	89	67	78	-2	357	547	.00	94	76	85	NA	NA	NA	.22
7/20	89	68	79	-1	376	576	.05	96	76	86	NA	NA	NA	.21
7/21	89	70	80	0	396	606	.00	97	76	87	NA	NA	NA	.21
7/22	91	68	80	0	416	636	.71	97	77	87	NA	NA	NA	.22
7/23	90	69	80	0	436	666	.52	90	72	81	NA	NA	NA	.22
7/24	84	66	75	-5	451	691	.48	88	76	82	NA	NA	NA	.19
7/25	87	63	75	-5	466	716	.00	90	73	82	NA	NA	NA	.21
7/26	89	63	76	-4	482	742	.00	91	73	82	NA	NA	NA	.23
7/27	90	65	78	-2	500	770	.00	95	74	85	NA	NA	NA	.23
7/28	90	67	79	0	519	799	.00	97	77	87	NA	NA	NA	.22
7/29	91	64	78	-1	537	827	.00	99	77	88	NA	NA	NA	.24
7/30	92	65	79	0	556	856	.00	100	77	89	NA	NA	NA	.24
7/31	92	66	79	0	575	885	.00	99	78	89	NA	NA	NA	.23

AIR TEMPERATURES (in degrees F):
Mean Maximum= 90.1 Mean Minimum= 66.5 Average= 78.3
DFN= -.5 DFN= -.9 DFN= -.7
Highest= 101 Lowest= 58

PRECIPITATION STATISTICS (inches):
Total= 3.83 DFN= -.71 Greatest Daily= 1.08 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 103 Lowest= 70 Average= 86

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .23 (in)

Daily Weather Observations: Tennessee Valley Substation, Belle Mina

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
8/ 1	91	67	79	0	19	29	.03	97	78	88	NA	NA	NA	.22
8/ 2	91	68	80	1	39	59	.00	99	78	89	NA	NA	NA	.22
8/ 3	86	66	76	-3	55	85	.05	88	76	82	NA	NA	NA	.20
8/ 4	90	66	78	-1	73	113	.00	98	76	87	NA	NA	NA	.22
8/ 5	95	68	82	3	95	145	.22	98	80	89	NA	NA	NA	.24
8/ 6	90	63	77	-2	112	172	.00	94	76	85	NA	NA	NA	.23
8/ 7	89	57	73	-6	125	195	.00	92	74	83	NA	NA	NA	.24
8/ 8	83	57	70	-9	135	215	.00	92	74	83	NA	NA	NA	.20
8/ 9	86	60	73	-6	148	238	.00	92	74	83	NA	NA	NA	.21
8/10	89	62	76	-3	164	264	.00	92	75	84	NA	NA	NA	.22
8/11	89	63	76	-3	180	290	.00	93	76	85	NA	NA	NA	.22
8/12	91	64	78	-1	198	318	.00	93	78	86	NA	NA	NA	.23
8/13	95	63	79	0	217	347	.00	98	77	88	NA	NA	NA	.26
8/14	91	64	78	-1	235	375	.00	96	77	87	NA	NA	NA	.23
8/15	93	68	81	2	256	406	.00	100	79	90	NA	NA	NA	.23
8/16	93	64	79	0	275	435	.00	98	77	88	NA	NA	NA	.24
8/17	94	64	79	0	294	464	.00	98	77	88	NA	NA	NA	.25
8/18	98	65	82	3	316	496	.00	101	78	90	NA	NA	NA	.27
8/19	100	70	85	6	341	531	.00	102	80	91	NA	NA	NA	.26
8/20	100	70	85	6	366	566	.00	102	81	92	NA	NA	NA	.26
8/21	99	65	82	4	388	598	.54	101	79	90	NA	NA	NA	.27
8/22	94	67	81	3	409	629	.01	92	76	84	NA	NA	NA	.23
8/23	90	66	78	0	427	657	.00	91	75	83	NA	NA	NA	.21
8/24	89	65	77	-1	444	684	.00	93	75	84	NA	NA	NA	.21
8/25	91	63	77	-1	461	711	.00	96	75	86	NA	NA	NA	.22
8/26	95	63	79	1	480	740	.00	99	75	87	NA	NA	NA	.25
8/27	97	69	83	5	503	773	.00	99	77	88	NA	NA	NA	.24
8/28	99	69	84	7	527	807	.00	99	80	90	NA	NA	NA	.25
8/29	101	68	85	8	552	842	.00	99	80	90	NA	NA	NA	.27
8/30	102	67	85	8	577	877	.37	98	77	88	NA	NA	NA	.28
8/31	92	63	78	1	595	905	.00	92	73	83	NA	NA	NA	.23

AIR TEMPERATURES (in degrees F):
Mean Maximum= 93.0 Mean Minimum= 65.0 Average= 79.0
DFN= +2.5 DFN= -1.0 DFN= +.7
Highest= 102 Lowest= 57

PRECIPITATION STATISTICS (inches):
Total= 1.22 DFN= -2.01 Greatest Daily= .54 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 102 Lowest= 73 Average= 87

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .24 (in)

Daily Weather Observations: Tennessee Valley Substation, Belle Mina

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
9/ 1	90	63	77	1	17	27	.00	94	77	86	NA	NA	NA	.21
9/ 2	91	68	80	4	37	57	.00	91	76	84	NA	NA	NA	.20
9/ 3	92	68	80	4	57	87	.00	99	78	89	NA	NA	NA	.21
9/ 4	100	68	84	8	81	121	.00	98	80	89	NA	NA	NA	.26
9/ 5	98	68	83	7	104	154	.00	98	80	89	NA	NA	NA	.25
9/ 6	98	68	83	8	127	187	.00	98	79	89	NA	NA	NA	.24
9/ 7	101	68	85	10	152	222	.00	99	79	89	NA	NA	NA	.26
9/ 8	101	68	85	10	177	257	.00	99	79	89	NA	NA	NA	.26
9/ 9	100	69	85	10	202	292	.00	100	81	91	NA	NA	NA	.25
9/10	96	66	81	7	223	323	.00	98	80	89	NA	NA	NA	.24
9/11	96	65	81	7	244	354	.20	95	75	85	NA	NA	NA	.24
9/12	91	65	78	4	262	382	.02	92	75	84	NA	NA	NA	.21
9/13	91	67	79	5	281	411	.74	90	75	83	NA	NA	NA	.20
9/14	82	67	75	2	296	436	.21	83	75	79	NA	NA	NA	.14
9/15	87	66	77	4	313	463	.22	85	75	80	NA	NA	NA	.17
9/16	86	56	71	-2	324	484	.00	89	70	80	NA	NA	NA	.20
9/17	88	54	71	-1	335	505	.00	88	67	78	NA	NA	NA	.22
9/18	81	50	66	-6	341	521	.00	87	66	77	NA	NA	NA	.19
9/19	87	50	69	-3	350	540	.00	88	66	77	NA	NA	NA	.22
9/20	88	62	75	4	365	565	.02	87	72	80	NA	NA	NA	.19
9/21	87	65	76	5	381	591	.00	88	74	81	NA	NA	NA	.17
9/22	95	65	80	9	401	621	.05	92	74	83	NA	NA	NA	.22
9/23	79	54	67	-4	408	638	.00	84	69	77	NA	NA	NA	.16
9/24	69	39	54	-16	408	642	.00	83	62	73	NA	NA	NA	.14
9/25	72	39	56	-14	408	648	.00	82	62	72	NA	NA	NA	.16
9/26	79	42	61	-8	409	659	.00	83	62	73	NA	NA	NA	.19
9/27	85	46	66	-3	415	675	.00	86	64	75	NA	NA	NA	.22
9/28	89	54	72	4	427	697	.00	85	68	77	NA	NA	NA	.21
9/29	90	58	74	6	441	721	.00	85	70	78	NA	NA	NA	.21
9/30	89	59	74	7	455	745	.00	87	71	79	NA	NA	NA	.20

AIR TEMPERATURES (in degrees F):
Mean Maximum= 89.3 Mean Minimum= 59.9 Average= 74.6
DFN= +4.7 DFN= -.3 DFN= +2.2
Highest= 101 Lowest= 39

PRECIPITATION STATISTICS (inches):
Total= 1.46 DFN= -2.25 Greatest Daily= .74 Rain Days= 7

SOIL TEMPERATURES (in degrees F):
Highest= 100 Lowest= 62 Average= 82

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .21 (in)

Daily Weather Observations: Tennessee Valley Substation, Belle Mina

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
10/ 1	83	59	71	4	11	21	.00	83	71	77	NA	NA	NA	.16
10/ 2	84	49	67	0	18	38	.00	87	67	77	NA	NA	NA	.20
10/ 3	87	49	68	2	26	56	.00	87	67	77	NA	NA	NA	.21
10/ 4	88	63	76	10	42	82	.05	83	71	77	NA	NA	NA	.17
10/ 5	78	50	64	-2	46	96	.97	82	64	73	NA	NA	NA	.15
10/ 6	83	50	67	2	53	113	.00	83	65	74	NA	NA	NA	.18
10/ 7	85	51	68	3	61	131	.00	82	64	73	NA	NA	NA	.19
10/ 8	89	60	75	11	76	156	.21	83	68	76	NA	NA	NA	.19
10/ 9	83	66	75	11	91	181	.00	78	71	75	NA	NA	NA	.13
10/10	87	54	71	7	102	202	.00	83	69	76	NA	NA	NA	.19
10/11	58	45	52	-11	102	204	.00	70	59	65	NA	NA	NA	.04
10/12	66	45	56	-7	102	210	.08	72	59	66	NA	NA	NA	.09
10/13	63	50	57	-5	102	217	.07	66	63	65	NA	NA	NA	.05
10/14	69	41	55	-7	102	222	.00	71	60	66	NA	NA	NA	.12
10/15	78	42	60	-1	102	232	.00	77	60	69	NA	NA	NA	.17
10/16	81	47	64	3	106	246	.00	78	61	70	NA	NA	NA	.17
10/17	84	50	67	6	113	263	.00	80	63	72	NA	NA	NA	.18
10/18	81	57	69	9	122	282	.37	77	67	72	NA	NA	NA	.14
10/19	65	36	51	-9	122	283	.00	74	56	65	NA	NA	NA	.10
10/20	68	35	52	-7	122	285	.00	71	55	63	NA	NA	NA	.12
10/21	73	42	58	-1	122	293	.00	72	55	64	NA	NA	NA	.13
10/22	77	54	66	7	128	309	.49	72	60	66	NA	NA	NA	.12
10/23	66	51	59	1	128	318	.50	67	60	64	NA	NA	NA	.06
10/24	65	41	53	-5	128	321	.00	68	55	62	NA	NA	NA	.08
10/25	67	39	53	-5	128	324	.03	68	55	62	NA	NA	NA	.10
10/26	58	33	46	-11	128	324	.00	61	51	56	NA	NA	NA	.06
10/27	62	32	47	-10	128	324	.00	62	51	57	NA	NA	NA	.09
10/28	70	32	51	-6	128	325	.00	64	51	58	NA	NA	NA	.14
10/29	69	29	49	-7	128	325	.00	64	51	58	NA	NA	NA	.14
10/30	70	30	50	-6	128	325	.00	64	51	58	NA	NA	NA	.14
10/31	74	33	54	-2	128	329	.00	66	51	59	NA	NA	NA	.16

AIR TEMPERATURES (in degrees F):
Mean Maximum= 74.5 Mean Minimum= 45.6 Average= 60.1
DFN= +.0 DFN= -1.6 DFN= -.8
Highest= 89 Lowest= 29

PRECIPITATION STATISTICS (inches):
Total= 2.77 DFN= -.17 Greatest Daily= .97 Rain Days= 9

SOIL TEMPERATURES (in degrees F):
Highest= 87 Lowest= 51 Average= 67

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .13 (in)

Daily Weather Observations: Tennessee Valley Substation, Belle Mina

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
11/ 1	78	36	57	2	0	7	.00	68	53	61	NA	NA	NA	.17
11/ 2	79	38	59	4	0	16	.00	68	54	61	NA	NA	NA	.17
11/ 3	80	40	60	6	0	26	.00	68	55	62	NA	NA	NA	.17
11/ 4	81	43	62	8	2	38	.00	69	56	63	NA	NA	NA	.17
11/ 5	80	51	66	12	8	54	.00	69	59	64	NA	NA	NA	.14
11/ 6	67	39	53	0	8	57	.31	63	53	58	NA	NA	NA	.09
11/ 7	63	34	49	-4	8	57	.00	63	52	58	NA	NA	NA	.08
11/ 8	62	35	49	-4	8	57	.00	60	51	56	NA	NA	NA	.07
11/ 9	58	37	48	-5	8	57	.48	57	51	54	NA	NA	NA	.04
11/10	58	38	48	-4	8	57	1.35	54	50	52	NA	NA	NA	.03
11/11	57	32	45	-7	8	57	.00	57	48	53	NA	NA	NA	.05
11/12	67	34	51	-1	8	58	.00	60	48	54	NA	NA	NA	.10
11/13	72	35	54	2	8	62	.00	62	50	56	NA	NA	NA	.13
11/14	70	36	53	2	8	65	.00	61	50	56	NA	NA	NA	.11
11/15	75	37	56	5	8	71	.00	62	51	57	NA	NA	NA	.14
11/16	74	40	57	6	8	78	.00	63	52	58	NA	NA	NA	.12
11/17	73	37	55	5	8	83	.09	63	52	58	NA	NA	NA	.13
11/18	60	31	46	-4	8	83	.00	58	50	54	NA	NA	NA	.06
11/19	64	31	48	-1	8	83	.00	58	49	54	NA	NA	NA	.09
11/20	62	35	49	NA	8	83	.00	55	49	52	NA	NA	NA	.06
11/21	73	43	58	9	8	91	.00	62	54	58	NA	NA	NA	.11
11/22	75	43	59	10	8	100	.00	62	54	58	NA	NA	NA	.12
11/23	73	48	61	12	9	111	.19	61	55	58	NA	NA	NA	.09
11/24	66	34	50	2	9	111	.00	62	53	58	NA	NA	NA	.09
11/25	70	35	53	5	9	114	.00	59	52	56	NA	NA	NA	.11
11/26	73	38	56	8	9	120	.00	59	52	56	NA	NA	NA	.12
11/27	73	58	66	18	15	136	.00	60	56	58	NA	NA	NA	.06
11/28	81	54	68	21	23	154	.96	65	60	63	NA	NA	NA	.12
11/29	59	31	45	-2	23	154	.32	62	52	57	NA	NA	NA	.05
11/30	53	25	39	-8	23	154	.00	53	48	51	NA	NA	NA	.03

AIR TEMPERATURES (in degrees F):
Mean Maximum= 69.2 Mean Minimum= 38.3 Average= 53.7
DFN= +6.4 DFN= +.1 DFN= +3.2
Highest= 81 Lowest= 25

PRECIPITATION STATISTICS (inches):
Total= 3.70 DFN= -.69 Greatest Daily= 1.35 Rain Days= 7

SOIL TEMPERATURES (in degrees F):
Highest= 69 Lowest= 48 Average= 57

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .10 (in)

Daily Weather Observations: Tennessee Valley Substation, Belle Mina

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
12/ 1	55	25	40	-7	0	0	.00	53	48	51	NA	NA	NA	.04
12/ 2	62	33	48	2	0	0	.09	53	48	51	NA	NA	NA	.06
12/ 3	62	50	56	10	0	6	1.70	56	52	54	NA	NA	NA	.01
12/ 4	63	30	47	1	0	6	1.18	57	49	53	NA	NA	NA	.08
12/ 5	45	23	34	-11	0	6	.00	55	44	50	NA	NA	NA	.00
12/ 6	49	23	36	-9	0	6	.00	49	41	45	NA	NA	NA	.01
12/ 7	55	27	41	-4	0	6	.00	50	41	46	NA	NA	NA	.04
12/ 8	48	24	36	-9	0	6	.00	48	41	45	NA	NA	NA	.00
12/ 9	52	24	38	-7	0	6	.00	50	41	46	NA	NA	NA	.03
12/10	59	26	43	-1	0	6	.00	52	41	47	NA	NA	NA	.06
12/11	64	28	46	2	0	6	.00	53	42	48	NA	NA	NA	.09
12/12	66	29	48	4	0	6	.00	54	43	49	NA	NA	NA	.10
12/13	67	33	50	6	0	6	.00	53	44	49	NA	NA	NA	.09
12/14	62	35	49	5	0	6	.29	55	51	53	NA	NA	NA	.05
12/15	61	41	51	7	0	7	.00	57	48	53	NA	NA	NA	.03
12/16	67	41	54	11	0	11	.15	59	53	56	NA	NA	NA	.07
12/17	53	41	47	4	0	11	.15	53	52	53	NA	NA	NA	.00
12/18	66	51	59	16	0	20	.63	60	52	56	NA	NA	NA	.03
12/19	72	37	55	12	0	25	.50	61	51	56	NA	NA	NA	.11
12/20	57	36	47	4	0	25	.00	56	50	53	NA	NA	NA	.02
12/21	57	48	53	10	0	28	.23	54	53	54	NA	NA	NA	.00
12/22	64	52	58	16	0	36	4.66	58	53	56	NA	NA	NA	.01
12/23	65	36	51	9	0	37	7.38	61	53	57	NA	NA	NA	.07
12/24	38	16	27	-15	0	37	.13	53	40	47	NA	NA	NA	.00
12/25	32	15	24	-18	0	37	Trace	43	37	40	NA	NA	NA	.00
12/26	34	18	26	-16	0	37	.00	42	37	40	NA	NA	NA	.00
12/27	39	26	33	-8	0	37	.03	42	37	40	NA	NA	NA	.00
12/28	43	35	39	-2	0	37	.86	43	40	42	NA	NA	NA	.00
12/29	54	42	48	7	0	37	.05	50	43	47	NA	NA	NA	.00
12/30	66	51	59	18	0	46	.09	59	49	54	NA	NA	NA	.03
12/31	73	25	49	8	0	46	.80	63	44	54	NA	NA	NA	.15

AIR TEMPERATURES (in degrees F):
Mean Maximum= 56.5 Mean Minimum= 32.9 Average= 44.7
DFN= +2.6 DFN= +.3 DFN= +1.5
Highest= 73 Lowest= 15

PRECIPITATION STATISTICS (inches):
Total= 18.92 DFN= +13.55 Greatest Daily= 7.38 Rain Days= 17

SOIL TEMPERATURES (in degrees F):
Highest= 63 Lowest= 37 Average= 50

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .04 (in)

Daily Weather Observations: Brewton Experiment Field, Brewton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
1/ 1	70	31	51	1	0	1	.37	63	50	57	NA	NA	NA	.13
1/ 2	55	28	42	-8	0	1	.00	56	47	52	NA	NA	NA	.04
1/ 3	57	34	46	-4	0	1	.00	55	47	51	NA	NA	NA	.03
1/ 4	62	42	52	2	0	3	.00	55	50	53	NA	NA	NA	.04
1/ 5	66	53	60	10	0	13	1.35	58	55	57	NA	NA	NA	.03
1/ 6	70	53	62	12	2	25	1.68	60	58	59	NA	NA	NA	.06
1/ 7	64	49	57	7	2	32	.37	60	60	60	NA	NA	NA	.03
1/ 8	58	43	51	1	2	33	.42	60	55	58	NA	NA	NA	.01
1/ 9	50	31	41	-9	2	33	.00	54	50	52	NA	NA	NA	.00
1/10	63	35	49	-1	2	33	.00	56	49	53	NA	NA	NA	.07
1/11	69	30	50	0	2	33	.00	59	48	54	NA	NA	NA	.13
1/12	76	31	54	5	2	37	.00	59	48	54	NA	NA	NA	.17
1/13	60	22	41	-8	2	37	.00	57	44	51	NA	NA	NA	.09
1/14	54	23	39	-10	2	37	.00	56	42	49	NA	NA	NA	.05
1/15	64	23	44	-6	2	37	.00	56	42	49	NA	NA	NA	.12
1/16	72	35	54	4	2	41	.00	52	49	51	NA	NA	NA	.13
1/17	76	36	56	6	2	47	.00	61	49	55	NA	NA	NA	.15
1/18	78	49	64	14	6	61	.00	65	55	60	NA	NA	NA	.12
1/19	63	51	57	7	6	68	1.16	60	60	60	NA	NA	NA	.02
1/20	79	51	65	15	11	83	.00	66	59	63	NA	NA	NA	.13
1/21	76	51	64	14	15	97	.91	66	64	65	NA	NA	NA	.11
1/22	66	32	49	-1	15	97	.00	66	52	59	NA	NA	NA	.10
1/23	66	26	46	-4	15	97	.00	63	48	56	NA	NA	NA	.12
1/24	68	27	48	-2	15	97	.00	60	48	54	NA	NA	NA	.13
1/25	75	54	65	15	20	112	.62	64	57	61	NA	NA	NA	.09
1/26	63	25	44	-6	20	112	.46	64	47	56	NA	NA	NA	.11
1/27	60	25	43	-7	20	112	.00	59	47	53	NA	NA	NA	.09
1/28	66	28	47	-3	20	112	.00	59	47	53	NA	NA	NA	.12
1/29	73	39	56	6	20	118	.00	61	50	56	NA	NA	NA	.13
1/30	68	27	48	-2	20	118	.42	60	48	54	NA	NA	NA	.14
1/31	54	28	41	-10	20	118	.10	53	49	51	NA	NA	NA	.05

AIR TEMPERATURES (in degrees F):
Mean Maximum= 65.8 Mean Minimum= 35.9 Average= 50.9
DFN= +3.5 DFN= -1.0 DFN= +1.3
Highest= 79 Lowest= 22

PRECIPITATION STATISTICS (inches):
Total= 7.86 DFN= +3.10 Greatest Daily= 1.68 Rain Days= 11

SOIL TEMPERATURES (in degrees F):
Highest= 66 Lowest= 42 Average= 55

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .09 (in)

Daily Weather Observations: Brewton Experiment Field, Brewton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
2/ 1	71	38	55	4	0	5	.00	63	43	53	NA	NA	NA	.12
2/ 2	67	47	57	6	0	12	.00	62	43	53	NA	NA	NA	.07
2/ 3	79	60	70	19	10	32	.00	67	62	65	NA	NA	NA	.11
2/ 4	79	58	69	18	19	51	.05	68	66	67	NA	NA	NA	.11
2/ 5	63	31	47	-4	19	51	.00	67	52	60	NA	NA	NA	.10
2/ 6	62	32	47	-4	19	51	.00	62	52	57	NA	NA	NA	.09
2/ 7	64	40	52	0	19	53	.22	59	53	56	NA	NA	NA	.08
2/ 8	72	41	57	5	19	60	.00	66	56	61	NA	NA	NA	.13
2/ 9	65	41	53	1	19	63	.40	61	56	59	NA	NA	NA	.08
2/10	76	54	65	13	24	78	.78	66	61	64	NA	NA	NA	.11
2/11	71	38	55	3	24	83	.74	67	56	62	NA	NA	NA	.13
2/12	67	32	50	-2	24	83	.00	64	52	58	NA	NA	NA	.13
2/13	76	32	54	2	24	87	.00	66	52	59	NA	NA	NA	.18
2/14	75	38	57	5	24	94	.00	65	53	59	NA	NA	NA	.16
2/15	75	54	65	13	29	109	.30	65	59	62	NA	NA	NA	.11
2/16	75	64	70	17	39	129	.13	67	65	66	NA	NA	NA	.08
2/17	75	46	61	8	40	140	1.28	70	59	65	NA	NA	NA	.14
2/18	60	46	53	0	40	143	.00	59	57	58	NA	NA	NA	.04
2/19	57	45	51	-2	40	144	2.72	57	57	57	NA	NA	NA	.03
2/20	57	43	50	-3	40	144	.17	58	54	56	NA	NA	NA	.03
2/21	72	43	58	4	40	152	.00	65	54	60	NA	NA	NA	.13
2/22	69	50	60	6	40	162	.83	62	55	59	NA	NA	NA	.09
2/23	70	50	60	6	40	172	.00	63	58	61	NA	NA	NA	.10
2/24	60	30	45	-9	40	172	.00	62	49	56	NA	NA	NA	.10
2/25	70	33	52	-2	40	174	.00	64	49	57	NA	NA	NA	.15
2/26	60	29	45	-10	40	174	.00	62	48	55	NA	NA	NA	.10
2/27	67	33	50	-5	40	174	.00	64	48	56	NA	NA	NA	.13
2/28	73	37	55	0	40	179	.00	66	52	59	NA	NA	NA	.16

AIR TEMPERATURES (in degrees F):
Mean Maximum= 68.8 Mean Minimum= 42.3 Average= 55.6
DFN= +2.5 DFN= +3.7 DFN= +3.1
Highest= 79 Lowest= 29

PRECIPITATION STATISTICS (inches):
Total= 7.62 DFN= +2.05 Greatest Daily= 2.72 Rain Days= 11

SOIL TEMPERATURES (in degrees F):
Highest= 70 Lowest= 43 Average= 59

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .11 (in)

Daily Weather Observations: Brewton Experiment Field, Brewton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
3/ 1	75	39	57	2	0	7	.00	69	54	62	NA	NA	NA	.17
3/ 2	76	47	62	6	2	19	.14	68	56	62	NA	NA	NA	.15
3/ 3	69	46	58	2	2	27	.55	63	57	60	NA	NA	NA	.11
3/ 4	65	33	49	-7	2	27	.00	62	50	56	NA	NA	NA	.13
3/ 5	70	35	53	-3	2	30	.00	65	50	58	NA	NA	NA	.15
3/ 6	75	37	56	-1	2	36	.00	68	51	60	NA	NA	NA	.18
3/ 7	78	45	62	5	4	48	.00	68	54	61	NA	NA	NA	.17
3/ 8	79	56	68	11	12	66	.00	73	58	66	NA	NA	NA	.14
3/ 9	71	55	63	6	15	79	.00	67	62	65	NA	NA	NA	.10
3/10	76	57	67	9	22	96	.00	68	61	65	NA	NA	NA	.12
3/11	81	53	67	9	29	113	.00	72	63	68	NA	NA	NA	.17
3/12	84	54	69	11	38	132	.00	77	63	70	NA	NA	NA	.19
3/13	83	56	70	12	48	152	.00	75	65	70	NA	NA	NA	.17
3/14	85	58	72	13	60	174	.00	79	65	72	NA	NA	NA	.18
3/15	83	61	72	13	72	196	.00	77	67	72	NA	NA	NA	.16
3/16	79	63	71	12	83	217	2.96	72	68	70	NA	NA	NA	.13
3/17	67	50	59	0	83	226	7.65	69	59	64	NA	NA	NA	.09
3/18	70	40	55	-5	83	231	.00	68	56	62	NA	NA	NA	.15
3/19	74	47	61	1	84	242	.00	69	56	63	NA	NA	NA	.15
3/20	75	33	54	-6	84	246	.00	66	51	59	NA	NA	NA	.20
3/21	59	29	44	-16	84	246	.00	64	50	57	NA	NA	NA	.11
3/22	72	34	53	-8	84	249	.00	70	50	60	NA	NA	NA	.18
3/23	72	41	57	-4	84	256	.00	72	53	63	NA	NA	NA	.16
3/24	80	48	64	3	88	270	.00	75	57	66	NA	NA	NA	.19
3/25	80	47	64	2	92	284	.00	78	60	69	NA	NA	NA	.19
3/26	83	51	67	5	99	301	.00	80	60	70	NA	NA	NA	.20
3/27	82	45	64	2	103	315	.00	79	60	70	NA	NA	NA	.21
3/28	72	48	60	-2	103	325	.00	76	60	68	NA	NA	NA	.14
3/29	74	57	66	3	109	341	.00	73	62	68	NA	NA	NA	.13
3/30	78	62	70	7	119	361	1.47	72	65	69	NA	NA	NA	.14
3/31	70	62	66	3	125	377	.11	68	65	67	NA	NA	NA	.09

AIR TEMPERATURES (in degrees F):
Mean Maximum= 75.4 DFN= +2.2 Mean Minimum= 48.0 DFN= +3.2 Average= 61.7 DFN= +2.7
Highest= 85 Lowest= 29

PRECIPITATION STATISTICS (inches):
Total= 12.88 DFN= +6.68 Greatest Daily= 7.65 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 80 Lowest= 50 Average= 65

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .15 (in)

Daily Weather Observations: Brewton Experiment Field, Brewton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
4/ 1	78	56	67	4	7	17	.00	75	65	70	NA	NA	NA	.16
4/ 2	84	57	71	7	18	38	.00	78	65	72	NA	NA	NA	.19
4/ 3	71	40	56	-8	18	44	.73	67	59	63	NA	NA	NA	.16
4/ 4	71	39	55	-9	18	49	.00	68	55	62	NA	NA	NA	.17
4/ 5	71	40	56	-8	18	55	.00	72	55	64	NA	NA	NA	.17
4/ 6	82	45	64	0	22	69	.00	78	58	68	NA	NA	NA	.22
4/ 7	79	39	59	-6	22	78	.22	73	55	64	NA	NA	NA	.22
4/ 8	63	33	48	-17	22	78	.00	67	53	60	NA	NA	NA	.14
4/ 9	70	36	53	-12	22	81	.00	72	53	63	NA	NA	NA	.17
4/10	80	44	62	-3	24	93	.00	77	56	67	NA	NA	NA	.21
4/11	80	53	67	1	31	110	.59	74	63	69	NA	NA	NA	.19
4/12	69	38	54	-12	31	114	.00	72	56	64	NA	NA	NA	.16
4/13	69	38	54	-12	31	118	.00	74	56	65	NA	NA	NA	.16
4/14	75	43	59	-7	31	127	.00	77	57	67	NA	NA	NA	.19
4/15	79	50	65	-1	36	142	.76	77	62	70	NA	NA	NA	.19
4/16	74	46	60	-7	36	152	.00	71	65	68	NA	NA	NA	.17
4/17	83	47	65	-2	41	167	.00	79	60	70	NA	NA	NA	.23
4/18	85	52	69	2	50	186	.00	82	64	73	NA	NA	NA	.22
4/19	79	55	67	0	57	203	.00	82	67	75	NA	NA	NA	.18
4/20	70	57	64	-3	61	217	.00	74	67	71	NA	NA	NA	.11
4/21	81	54	68	0	69	235	.00	79	66	73	NA	NA	NA	.19
4/22	84	57	71	3	80	256	.00	83	66	75	NA	NA	NA	.20
4/23	80	54	67	-1	87	273	.33	81	66	74	NA	NA	NA	.19
4/24	85	58	72	4	99	295	.00	82	66	74	NA	NA	NA	.21
4/25	84	59	72	3	111	317	.07	84	69	77	NA	NA	NA	.20
4/26	85	55	70	1	121	337	.32	84	68	76	NA	NA	NA	.22
4/27	84	55	70	1	131	357	.00	81	68	75	NA	NA	NA	.21
4/28	83	59	71	2	142	378	.77	80	67	74	NA	NA	NA	.19
4/29	82	50	66	-3	148	394	.04	79	65	72	NA	NA	NA	.22
4/30	84	53	69	-1	157	413	.00	81	65	73	NA	NA	NA	.22

AIR TEMPERATURES (in degrees F):
Mean Maximum= 78.1 Mean Minimum= 48.7 Average= 63.4
DFN= -3.1 DFN= -2.8 DFN= -2.9
Highest= 85 Lowest= 33

PRECIPITATION STATISTICS (inches):
Total= 3.83 DFN= -1.33 Greatest Daily= .77 Rain Days= 9

SOIL TEMPERATURES (in degrees F):
Highest= 84 Lowest= 53 Average= 69

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .19 (in)

Daily Weather Observations: Brewton Experiment Field, Brewton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
5/ 1	91	66	79	9	19	29	.00	89	72	81	NA	NA	NA	.22
5/ 2	91	66	79	9	38	58	.00	91	74	83	NA	NA	NA	.22
5/ 3	91	62	77	7	55	85	.00	92	74	83	NA	NA	NA	.24
5/ 4	93	65	79	8	74	114	.00	93	74	84	NA	NA	NA	.24
5/ 5	87	69	78	7	92	142	.15	86	76	81	NA	NA	NA	.19
5/ 6	84	53	69	-2	101	161	.00	83	68	76	NA	NA	NA	.22
5/ 7	76	46	61	-10	102	172	.00	83	66	75	NA	NA	NA	.20
5/ 8	81	51	66	-5	108	188	.00	89	66	78	NA	NA	NA	.21
5/ 9	80	55	68	-4	116	206	.55	82	70	76	NA	NA	NA	.19
5/10	79	63	71	-1	127	227	1.75	76	70	73	NA	NA	NA	.16
5/11	81	46	64	-8	131	241	.00	83	66	75	NA	NA	NA	.23
5/12	82	51	67	-5	138	258	.00	83	66	75	NA	NA	NA	.22
5/13	85	58	72	0	150	280	4.72	85	69	77	NA	NA	NA	.22
5/14	74	61	68	-5	158	298	.12	73	69	71	NA	NA	NA	.14
5/15	86	63	75	2	173	323	.00	81	69	75	NA	NA	NA	.21
5/16	90	63	77	4	190	350	.00	88	71	80	NA	NA	NA	.23
5/17	91	70	81	8	211	381	.00	92	75	84	NA	NA	NA	.22
5/18	88	55	72	-2	223	403	.12	83	70	77	NA	NA	NA	.25
5/19	83	58	71	-3	234	424	.00	83	69	76	NA	NA	NA	.21
5/20	88	63	76	2	250	450	.00	86	72	79	NA	NA	NA	.22
5/21	92	68	80	6	270	480	.60	91	76	84	NA	NA	NA	.23
5/22	92	65	79	5	289	509	.78	87	74	81	NA	NA	NA	.24
5/23	82	53	68	-7	297	527	.00	84	69	77	NA	NA	NA	.22
5/24	80	54	67	-8	304	544	.00	87	69	78	NA	NA	NA	.20
5/25	87	58	73	-2	317	567	.00	91	70	81	NA	NA	NA	.23
5/26	90	66	78	3	335	595	.00	91	74	83	NA	NA	NA	.23
5/27	92	68	80	5	355	625	.00	93	77	85	NA	NA	NA	.23
5/28	91	67	79	3	374	654	Trace	95	79	87	NA	NA	NA	.23
5/29	86	60	73	-3	387	677	.04	90	75	83	NA	NA	NA	.22
5/30	84	54	69	-7	396	696	.00	92	73	83	NA	NA	NA	.23
5/31	88	59	74	-2	410	720	.00	95	73	84	NA	NA	NA	.24

AIR TEMPERATURES (in degrees F):
Mean Maximum= 86.0 Mean Minimum= 59.9 Average= 72.9
DFN= -1.3 DFN= +1.7 DFN= +.2
Highest= 93 Lowest= 46

PRECIPITATION STATISTICS (inches):
Total= 8.83 DFN= +4.09 Greatest Daily= 4.72 Rain Days= 9

SOIL TEMPERATURES (in degrees F):
Highest= 95 Lowest= 66 Average= 79

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .22 (in)

Daily Weather Observations: Brewton Experiment Field, Brewton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
6/ 1	89	64	77	1	17	27	.00	92	76	84	NA	NA	NA	.23
6/ 2	90	68	79	3	36	56	.58	92	76	84	NA	NA	NA	.22
6/ 3	93	70	82	5	58	88	.00	90	76	83	NA	NA	NA	.23
6/ 4	91	69	80	3	78	118	.00	89	78	84	NA	NA	NA	.22
6/ 5	92	65	79	2	97	147	.04	92	78	85	NA	NA	NA	.24
6/ 6	92	69	81	4	118	178	.00	97	78	88	NA	NA	NA	.23
6/ 7	94	70	82	5	140	210	.00	98	81	90	NA	NA	NA	.24
6/ 8	96	68	82	5	162	242	.00	99	81	90	NA	NA	NA	.26
6/ 9	96	67	82	4	184	274	.00	100	82	91	NA	NA	NA	.26
6/10	91	67	79	1	203	303	.03	95	79	87	NA	NA	NA	.23
6/11	93	70	82	4	225	335	.00	95	79	87	NA	NA	NA	.23
6/12	92	58	75	-3	240	360	.00	99	78	89	NA	NA	NA	.27
6/13	94	64	79	1	259	389	.00	99	78	89	NA	NA	NA	.26
6/14	93	66	80	1	279	419	Trace	96	81	89	NA	NA	NA	.25
6/15	94	65	80	1	299	449	.00	102	81	92	NA	NA	NA	.26
6/16	96	70	83	4	322	482	.00	102	82	92	NA	NA	NA	.25
6/17	93	72	83	4	345	515	.00	97	85	91	NA	NA	NA	.23
6/18	93	71	82	3	367	547	.03	94	82	88	NA	NA	NA	.23
6/19	96	72	84	5	391	581	.00	101	82	92	NA	NA	NA	.25
6/20	98	68	83	3	414	614	.00	104	85	95	NA	NA	NA	.27
6/21	100	70	85	5	439	649	.02	101	84	93	NA	NA	NA	.28
6/22	98	71	85	5	464	684	.00	99	84	92	NA	NA	NA	.26
6/23	82	67	75	-5	479	709	.79	85	77	81	NA	NA	NA	.17
6/24	86	61	74	-6	493	733	.00	85	75	80	NA	NA	NA	.22
6/25	83	56	70	-10	503	753	.00	NA	NA	NA	NA	NA	NA	.22
6/26	91	60	76	-4	519	779	.00	94	75	85	NA	NA	NA	.25
6/27	93	62	78	-2	537	807	.00	96	77	87	NA	NA	NA	.26
6/28	96	67	82	2	559	839	.00	98	79	89	NA	NA	NA	.26
6/29	94	66	80	0	579	869	Trace	99	80	90	NA	NA	NA	.25
6/30	93	69	81	1	600	900	.00	99	80	90	NA	NA	NA	.24

AIR TEMPERATURES (in degrees F):
Mean Maximum= 92.7 Mean Minimum= 66.7 Average= 79.7
DFN= +.6 DFN= +2.0 DFN= +1.3
Highest= 100 Lowest= 56

PRECIPITATION STATISTICS (inches):
Total= 1.49 DFN= -4.41 Greatest Daily= .79 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 104 Lowest= 75 Average= 88

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .24 (in)

Daily Weather Observations: Brewton Experiment Field, Brewton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
7/ 1	96	71	84	4	24	34	.00	100	83	92	NA	NA	NA	.25
7/ 2	97	71	84	4	48	68	.00	101	85	93	NA	NA	NA	.26
7/ 3	99	68	84	4	72	102	.85	80	NA	NA	NA	NA	NA	.28
7/ 4	91	68	80	-1	92	132	.00	91	79	85	NA	NA	NA	.23
7/ 5	88	69	79	-2	111	161	.20	87	78	83	NA	NA	NA	.21
7/ 6	92	69	81	0	132	192	Trace	90	78	84	NA	NA	NA	.23
7/ 7	95	71	83	2	155	225	.00	96	80	88	NA	NA	NA	.24
7/ 8	99	72	86	5	181	261	.00	99	83	91	NA	NA	NA	.27
7/ 9	99	71	85	4	206	296	.86	97	80	89	NA	NA	NA	.27
7/10	96	69	83	2	229	329	.00	95	80	88	NA	NA	NA	.26
7/11	96	68	82	1	251	361	.00	95	81	88	NA	NA	NA	.26
7/12	93	69	81	0	272	392	.00	96	82	89	NA	NA	NA	.24
7/13	90	71	81	0	293	423	.64	89	81	85	NA	NA	NA	.21
7/14	88	69	79	-2	312	452	.19	89	79	84	NA	NA	NA	.20
7/15	87	63	75	-6	327	477	.00	90	77	84	NA	NA	NA	.22
7/16	90	62	76	-5	343	503	.00	90	77	84	NA	NA	NA	.24
7/17	92	64	78	-3	361	531	Trace	93	78	86	NA	NA	NA	.24
7/18	86	70	78	-3	379	559	.00	89	81	85	NA	NA	NA	.19
7/19	89	69	79	-2	398	588	.57	88	79	84	NA	NA	NA	.21
7/20	87	70	79	-2	417	617	.05	88	79	84	NA	NA	NA	.19
7/21	88	68	78	-3	435	645	.14	86	78	82	NA	NA	NA	.21
7/22	93	69	81	0	456	676	.00	92	78	85	NA	NA	NA	.23
7/23	92	70	81	0	477	707	.00	92	80	86	NA	NA	NA	.22
7/24	94	67	81	0	498	738	Trace	92	81	87	NA	NA	NA	.25
7/25	91	69	80	-1	518	768	.00	95	81	88	NA	NA	NA	.22
7/26	93	65	79	-2	537	797	.00	96	82	89	NA	NA	NA	.25
7/27	95	70	83	2	560	830	.00	98	82	90	NA	NA	NA	.24
7/28	95	65	80	-1	580	860	.00	97	84	91	NA	NA	NA	.26
7/29	94	66	80	-1	600	890	.00	96	84	90	NA	NA	NA	.25
7/30	97	70	84	3	624	924	.00	98	85	92	NA	NA	NA	.25
7/31	98	71	85	4	649	959	.00	99	85	92	NA	NA	NA	.26

AIR TEMPERATURES (in degrees F):
Mean Maximum= 92.9 Mean Minimum= 68.5 Average= 80.7
DFN= -.1 DFN= +.4 DFN= +.2
Highest= 99 Lowest= 62

PRECIPITATION STATISTICS (inches):
Total= 3.50 DFN= -3.44 Greatest Daily= .86 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 101 Lowest= 77 Average= 87

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .24 (in)

Daily Weather Observations: Brewton Experiment Field, Brewton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
8/ 1	97	68	83	2	23	33	.00	99	85	92	NA	NA	NA	.26
8/ 2	98	70	84	3	47	67	.04	102	85	94	NA	NA	NA	.26
8/ 3	97	69	83	2	70	100	1.06	96	82	89	NA	NA	NA	.26
8/ 4	93	69	81	0	91	131	.27	92	82	87	NA	NA	NA	.23
8/ 5	96	71	84	3	115	165	.00	92	82	87	NA	NA	NA	.24
8/ 6	96	69	83	2	138	198	.63	92	81	87	NA	NA	NA	.25
8/ 7	93	69	81	0	159	229	.00	92	80	86	NA	NA	NA	.23
8/ 8	91	64	78	-3	177	257	.00	90	79	85	NA	NA	NA	.23
8/ 9	91	62	77	-4	194	284	.00	90	79	85	NA	NA	NA	.24
8/10	91	60	76	-5	210	310	.00	91	78	85	NA	NA	NA	.24
8/11	93	61	77	-4	227	337	.00	95	78	87	NA	NA	NA	.25
8/12	94	63	79	-2	246	366	.00	95	79	87	NA	NA	NA	.25
8/13	97	65	81	1	267	397	.00	95	80	88	NA	NA	NA	.26
8/14	93	65	79	-1	286	426	.00	95	82	89	NA	NA	NA	.24
8/15	97	67	82	2	308	458	.00	97	82	90	NA	NA	NA	.26
8/16	99	69	84	4	332	492	.00	102	84	93	NA	NA	NA	.26
8/17	100	69	85	5	357	527	.00	101	85	93	NA	NA	NA	.27
8/18	100	71	86	6	383	563	.18	100	85	93	NA	NA	NA	.26
8/19	98	70	84	4	407	597	.00	97	83	90	NA	NA	NA	.25
8/20	100	68	84	4	431	631	.64	96	80	88	NA	NA	NA	.27
8/21	97	69	83	3	454	664	.00	92	80	86	NA	NA	NA	.25
8/22	98	71	85	5	479	699	.03	94	81	88	NA	NA	NA	.25
8/23	96	68	82	2	501	731	.60	92	79	86	NA	NA	NA	.24
8/24	97	69	83	3	524	764	Trace	91	79	85	NA	NA	NA	.25
8/25	96	69	83	3	547	797	.00	92	81	87	NA	NA	NA	.24
8/26	98	70	84	4	571	831	.00	94	81	88	NA	NA	NA	.25
8/27	97	70	84	4	595	865	.00	95	83	89	NA	NA	NA	.24
8/28	98	70	84	4	619	899	.00	97	84	91	NA	NA	NA	.25
8/29	98	71	85	6	644	934	Trace	100	85	93	NA	NA	NA	.24
8/30	99	72	86	7	670	970	.00	99	84	92	NA	NA	NA	.25
8/31	95	64	80	1	6901000		.14	94	78	86	NA	NA	NA	.25

AIR TEMPERATURES (in degrees F):
Mean Maximum= 96.2 Mean Minimum= 67.8 Average= 82.0
DFN= +3.7 DFN= +.4 DFN= +2.1
Highest= 100 Lowest= 60

PRECIPITATION STATISTICS (inches):
Total= 3.59 DFN= -1.92 Greatest Daily= 1.06 Rain Days= 9

SOIL TEMPERATURES (in degrees F):
Highest= 102 Lowest= 78 Average= 88

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .25 (in)

Daily Weather Observations: Brewton Experiment Field, Brewton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
9/ 1	93	65	79	0	19	29	.09	92	78	85	NA	NA	NA	.23
9/ 2	94	69	82	3	41	61	.42	92	79	86	NA	NA	NA	.22
9/ 3	93	68	81	2	62	92	.41	89	78	84	NA	NA	NA	.22
9/ 4	96	70	83	4	85	125	.00	91	78	85	NA	NA	NA	.23
9/ 5	99	68	84	6	109	159	.00	91	80	86	NA	NA	NA	.26
9/ 6	94	65	80	2	129	189	.00	92	80	86	NA	NA	NA	.23
9/ 7	96	66	81	3	150	220	.00	92	80	86	NA	NA	NA	.24
9/ 8	97	67	82	4	172	252	.00	92	80	86	NA	NA	NA	.24
9/ 9	97	66	82	4	194	284	.00	94	82	88	NA	NA	NA	.25
9/10	95	66	81	3	215	315	.00	93	82	88	NA	NA	NA	.23
9/11	96	66	81	4	236	346	.00	95	82	89	NA	NA	NA	.24
9/12	95	68	82	5	258	378	.04	91	80	86	NA	NA	NA	.23
9/13	94	68	81	4	279	409	.00	89	80	85	NA	NA	NA	.22
9/14	95	69	82	5	301	441	.00	91	82	87	NA	NA	NA	.22
9/15	90	69	80	3	321	471	.03	86	81	84	NA	NA	NA	.19
9/16	97	69	83	7	344	504	.00	92	81	87	NA	NA	NA	.23
9/17	98	57	78	2	362	532	.00	94	80	87	NA	NA	NA	.28
9/18	94	55	75	-1	377	557	.00	93	79	86	NA	NA	NA	.26
9/19	96	60	78	2	395	585	.00	94	79	87	NA	NA	NA	.25
9/20	95	65	80	5	415	615	.00	94	82	88	NA	NA	NA	.23
9/21	96	65	81	6	436	646	.00	94	82	88	NA	NA	NA	.23
9/22	97	65	81	6	457	677	.00	94	83	89	NA	NA	NA	.24
9/23	97	57	77	3	474	704	.02	93	80	87	NA	NA	NA	.27
9/24	85	46	66	-8	480	720	.00	88	75	82	NA	NA	NA	.22
9/25	78	39	59	-14	480	729	.00	86	72	79	NA	NA	NA	.20
9/26	82	41	62	-11	482	741	.00	82	71	77	NA	NA	NA	.22
9/27	89	42	66	-7	488	757	.00	85	71	78	NA	NA	NA	.26
9/28	93	46	70	-2	498	777	.00	87	73	80	NA	NA	NA	.27
9/29	92	56	74	2	512	801	.21	85	75	80	NA	NA	NA	.23
9/30	83	62	73	1	525	824	.32	77	73	75	NA	NA	NA	.16

AIR TEMPERATURES (in degrees F):
Mean Maximum= 93.2 Mean Minimum= 61.2 Average= 77.2
DFN= +4.9 DFN= -2.3 DFN= +1.3
Highest= 99 Lowest= 39

PRECIPITATION STATISTICS (inches):
Total= 1.54 DFN= -3.48 Greatest Daily= .42 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 95 Lowest= 71 Average= 84

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .23 (in)

Daily Weather Observations: Brewton Experiment Field, Brewton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
10/ 1	88	61	75	4	15	25	.00	77	73	75	NA	NA	NA	.19
10/ 2	92	61	77	6	32	52	.00	84	73	79	NA	NA	NA	.21
10/ 3	93	61	77	7	49	79	.00	86	75	81	NA	NA	NA	.22
10/ 4	90	66	78	8	67	107	.29	82	77	80	NA	NA	NA	.18
10/ 5	89	60	75	6	82	132	.63	83	73	78	NA	NA	NA	.20
10/ 6	87	54	71	2	93	153	.00	82	71	77	NA	NA	NA	.20
10/ 7	92	57	75	6	108	178	.00	84	71	78	NA	NA	NA	.22
10/ 8	92	65	79	11	127	207	.00	85	76	81	NA	NA	NA	.20
10/ 9	91	66	79	11	146	236	.00	86	75	81	NA	NA	NA	.19
10/10	90	61	76	9	162	262	.00	85	75	80	NA	NA	NA	.19
10/11	80	51	66	-1	168	278	.00	82	71	77	NA	NA	NA	.16
10/12	80	51	66	0	174	294	.00	80	71	76	NA	NA	NA	.16
10/13	86	53	70	4	184	314	.00	82	73	78	NA	NA	NA	.19
10/14	82	44	63	-3	187	327	.00	82	70	76	NA	NA	NA	.20
10/15	84	44	64	-1	191	341	.00	79	69	74	NA	NA	NA	.21
10/16	88	44	66	1	197	357	.00	81	69	75	NA	NA	NA	.23
10/17	91	47	69	4	206	376	.00	81	69	75	NA	NA	NA	.24
10/18	84	64	74	10	220	400	.61	75	75	75	NA	NA	NA	.14
10/19	77	43	60	-4	220	410	.00	75	63	69	NA	NA	NA	.16
10/20	75	39	57	-7	220	417	.00	70	62	66	NA	NA	NA	.16
10/21	83	40	62	-1	222	429	.00	75	62	69	NA	NA	NA	.21
10/22	81	62	72	9	234	451	1.31	72	70	71	NA	NA	NA	.13
10/23	73	57	65	2	239	466	.61	72	68	70	NA	NA	NA	.09
10/24	68	45	57	-5	239	473	.00	68	62	65	NA	NA	NA	.10
10/25	72	41	57	-5	239	480	.00	69	60	65	NA	NA	NA	.13
10/26	63	34	49	-13	239	480	.00	64	56	60	NA	NA	NA	.10
10/27	66	30	48	-13	239	480	.00	63	55	59	NA	NA	NA	.13
10/28	73	31	52	-9	239	482	.00	67	54	61	NA	NA	NA	.17
10/29	78	33	56	-5	239	488	.00	69	57	63	NA	NA	NA	.19
10/30	76	34	55	-5	239	493	.00	69	57	63	NA	NA	NA	.18
10/31	77	37	57	-3	239	500	.00	69	58	64	NA	NA	NA	.17

AIR TEMPERATURES (in degrees F):
Mean Maximum= 82.0 Mean Minimum= 49.5 Average= 65.8
DFN= +2.1 DFN= -.5 DFN= +.8
Highest= 93 Lowest= 30

PRECIPITATION STATISTICS (inches):
Total= 3.45 DFN= +.53 Greatest Daily= 1.31 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 86 Lowest= 54 Average= 72

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .18 (in)

Daily Weather Observations: Brewton Experiment Field, Brewton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
11/ 1	77	35	56	-4	0	6	.00	71	58	65	NA	NA	NA	.18
11/ 2	81	37	59	0	0	15	.00	70	58	64	NA	NA	NA	.20
11/ 3	82	47	65	6	5	30	.00	72	60	66	NA	NA	NA	.17
11/ 4	83	48	66	7	11	46	.00	74	63	69	NA	NA	NA	.17
11/ 5	85	53	69	10	20	65	.00	75	64	70	NA	NA	NA	.17
11/ 6	77	41	59	1	20	74	.03	69	60	65	NA	NA	NA	.16
11/ 7	70	33	52	-6	20	76	.00	69	58	64	NA	NA	NA	.14
11/ 8	74	35	55	-3	20	81	.00	69	58	64	NA	NA	NA	.15
11/ 9	78	45	62	4	22	93	.07	68	59	64	NA	NA	NA	.15
11/10	74	45	60	3	22	103	2.01	65	60	63	NA	NA	NA	.12
11/11	60	32	46	-11	22	103	.00	59	53	56	NA	NA	NA	.07
11/12	73	34	54	-3	22	107	.00	64	53	59	NA	NA	NA	.15
11/13	77	37	57	0	22	114	.00	64	54	59	NA	NA	NA	.16
11/14	78	38	58	2	22	122	.00	65	56	61	NA	NA	NA	.17
11/15	78	40	59	3	22	131	.00	65	55	60	NA	NA	NA	.16
11/16	78	44	61	5	23	142	.00	67	56	62	NA	NA	NA	.15
11/17	79	46	63	8	26	155	.00	68	58	63	NA	NA	NA	.14
11/18	68	29	49	-6	26	155	.00	65	54	60	NA	NA	NA	.13
11/19	70	30	50	-5	26	155	.00	65	54	60	NA	NA	NA	.14
11/20	74	37	56	1	26	161	.00	66	54	60	NA	NA	NA	.14
11/21	78	41	60	6	26	171	.00	69	57	63	NA	NA	NA	.15
11/22	77	39	58	4	26	179	.00	67	57	62	NA	NA	NA	.15
11/23	78	41	60	6	26	189	.00	68	57	63	NA	NA	NA	.15
11/24	69	38	54	0	26	193	.06	64	58	61	NA	NA	NA	.10
11/25	74	35	55	1	26	198	.00	67	56	62	NA	NA	NA	.14
11/26	76	37	57	3	26	205	.00	66	56	61	NA	NA	NA	.15
11/27	83	58	71	17	37	226	Trace	70	61	66	NA	NA	NA	.13
11/28	83	64	74	21	51	250	.00	72	68	70	NA	NA	NA	.11
11/29	83	43	63	10	54	263	.44	71	62	67	NA	NA	NA	.17
11/30	59	33	46	-7	54	263	.00	60	50	55	NA	NA	NA	.05

AIR TEMPERATURES (in degrees F):
Mean Maximum= 75.9 Mean Minimum= 40.5 Average= 58.2
DFN= +5.8 DFN= -1.0 DFN= +2.4
Highest= 85 Lowest= 29

PRECIPITATION STATISTICS (inches):
Total= 2.61 DFN= -1.44 Greatest Daily= 2.01 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 75 Lowest= 50 Average= 63

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .14 (in)

Daily Weather Observations: Brewton Experiment Field, Brewton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
12/ 1	63	35	49	-4	0	0	.00	57	50	54	NA	NA	NA	.07
12/ 2	73	46	60	7	0	10	.00	62	52	57	NA	NA	NA	.10
12/ 3	78	54	66	13	6	26	.10	65	58	62	NA	NA	NA	.11
12/ 4	71	34	53	0	6	29	.97	63	53	58	NA	NA	NA	.12
12/ 5	53	23	38	-15	6	29	.00	56	46	51	NA	NA	NA	.05
12/ 6	57	24	41	-11	6	29	.00	54	46	50	NA	NA	NA	.07
12/ 7	65	25	45	-7	6	29	.00	56	46	51	NA	NA	NA	.11
12/ 8	49	33	41	-11	6	29	.33	52	49	51	NA	NA	NA	.00
12/ 9	56	24	40	-12	6	29	.00	53	45	49	NA	NA	NA	.06
12/10	64	26	45	-7	6	29	.00	53	45	49	NA	NA	NA	.10
12/11	68	27	48	-4	6	29	.00	56	45	51	NA	NA	NA	.13
12/12	72	28	50	-1	6	29	.00	59	46	53	NA	NA	NA	.15
12/13	70	35	53	2	6	32	.00	58	49	54	NA	NA	NA	.11
12/14	76	46	61	10	7	43	.00	62	52	57	NA	NA	NA	.12
12/15	78	50	64	13	11	57	.00	65	56	61	NA	NA	NA	.12
12/16	77	48	63	12	14	70	.00	66	58	62	NA	NA	NA	.12
12/17	75	49	62	11	16	82	.00	65	58	62	NA	NA	NA	.10
12/18	78	58	68	17	24	100	.00	66	61	64	NA	NA	NA	.09
12/19	77	52	65	14	29	115	.39	67	62	65	NA	NA	NA	.10
12/20	64	53	59	9	29	124	.03	62	62	62	NA	NA	NA	.02
12/21	79	61	70	20	39	144	.03	69	62	66	NA	NA	NA	.09
12/22	77	61	69	19	48	163	.06	68	67	68	NA	NA	NA	.07
12/23	80	68	74	24	62	187	.00	71	67	69	NA	NA	NA	.07
12/24	77	25	51	1	62	188	1.87	69	51	60	NA	NA	NA	.19
12/25	42	22	32	-18	62	188	.00	53	44	49	NA	NA	NA	.00
12/26	42	23	33	-17	62	188	.00	48	44	46	NA	NA	NA	.00
12/27	55	34	45	-5	62	188	.00	52	48	50	NA	NA	NA	.02
12/28	62	46	54	4	62	192	.00	55	51	53	NA	NA	NA	.03
12/29	75	47	61	11	63	203	.00	64	56	60	NA	NA	NA	.11
12/30	72	58	65	15	68	218	Trace	65	62	64	NA	NA	NA	.05
12/31	78	43	61	11	69	229	.00	68	60	64	NA	NA	NA	.14

AIR TEMPERATURES (in degrees F):
Mean Maximum= 67.8 Mean Minimum= 40.6 Average= 54.2
DFN= +3.8 DFN= +2.8 DFN= +3.3
Highest= 80 Lowest= 22

PRECIPITATION STATISTICS (inches):
Total= 3.78 DFN= -1.82 Greatest Daily= 1.87 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 71 Lowest= 44 Average= 57

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .08 (in)

Daily Weather Observations: Lower Coastal Plain Substation, Camden

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
1/ 1	68	31	50	4	0	0	.08	58	49	54	NA	NA	NA	.11
1/ 2	50	30	40	-6	0	0	.00	52	47	50	NA	NA	NA	.00
1/ 3	52	34	43	-3	0	0	.00	50	47	49	NA	NA	NA	.00
1/ 4	60	38	49	3	0	0	.01	51	48	50	NA	NA	NA	.04
1/ 5	62	57	60	14	0	10	.70	55	51	53	NA	NA	NA	.00
1/ 6	66	51	59	13	0	19	1.47	58	55	57	NA	NA	NA	.04
1/ 7	55	48	52	6	0	21	.06	57	55	56	NA	NA	NA	.00
1/ 8	54	42	48	2	0	21	.67	58	52	55	NA	NA	NA	.00
1/ 9	55	39	47	1	0	21	.00	56	51	54	NA	NA	NA	.00
1/10	64	41	53	7	0	24	.00	55	50	53	NA	NA	NA	.06
1/11	64	40	52	6	0	26	.00	55	47	51	NA	NA	NA	.06
1/12	74	41	58	13	0	34	.00	54	49	52	NA	NA	NA	.12
1/13	54	25	40	-5	0	34	.00	52	45	49	NA	NA	NA	.04
1/14	49	25	37	-8	0	34	.00	49	45	47	NA	NA	NA	.01
1/15	62	28	45	0	0	34	.00	49	45	47	NA	NA	NA	.09
1/16	69	42	56	10	0	40	.00	54	47	51	NA	NA	NA	.09
1/17	75	45	60	14	0	50	.00	55	49	52	NA	NA	NA	.12
1/18	77	56	67	21	7	67	.98	58	52	55	NA	NA	NA	.09
1/19	64	57	61	15	8	78	.17	59	57	58	NA	NA	NA	.01
1/20	76	58	67	21	15	95	.00	63	58	61	NA	NA	NA	.08
1/21	73	48	61	15	16	106	2.22	63	59	61	NA	NA	NA	.10
1/22	61	32	47	1	16	106	.00	61	52	57	NA	NA	NA	.07
1/23	62	32	47	1	16	106	.00	57	52	55	NA	NA	NA	.08
1/24	67	35	51	5	16	107	.28	56	50	53	NA	NA	NA	.10
1/25	63	55	59	13	16	116	2.15	56	54	55	NA	NA	NA	.01
1/26	58	27	43	-3	16	116	.10	57	39	48	NA	NA	NA	.07
1/27	56	28	42	-4	16	116	.00	54	48	51	NA	NA	NA	.06
1/28	64	35	50	3	16	116	.00	55	48	52	NA	NA	NA	.08
1/29	70	38	54	7	16	120	.24	55	48	52	NA	NA	NA	.11
1/30	65	30	48	1	16	120	.43	56	48	52	NA	NA	NA	.11
1/31	57	31	44	-3	16	120	.00	53	47	50	NA	NA	NA	.05

AIR TEMPERATURES (in degrees F):
Mean Maximum= 62.8 Mean Minimum= 39.3 Average= 51.0
DFN= +5.8 DFN= +5.0 DFN= +5.4
Highest= 77 Lowest= 25

PRECIPITATION STATISTICS (inches):
Total= 9.56 DFN= +4.64 Greatest Daily= 2.22 Rain Days= 14

SOIL TEMPERATURES (in degrees F):
Highest= 63 Lowest= 39 Average= 53

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .06 (in)

Daily Weather Observations: Lower Coastal Plain Substation, Camden

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
2/ 1	64	40	52	5	0	2	.00	57	50	54	NA	NA	NA	.07
2/ 2	69	48	59	12	0	11	.01	57	51	54	NA	NA	NA	.08
2/ 3	77	64	71	24	11	32	Trace	63	57	60	NA	NA	NA	.08
2/ 4	78	53	66	19	17	48	.52	65	61	63	NA	NA	NA	.12
2/ 5	55	35	45	-2	17	48	.00	54	52	53	NA	NA	NA	.03
2/ 6	58	37	48	1	17	48	.00	63	52	58	NA	NA	NA	.05
2/ 7	64	44	54	6	17	52	.34	57	52	55	NA	NA	NA	.06
2/ 8	68	46	57	9	17	59	.00	62	55	59	NA	NA	NA	.08
2/ 9	66	47	57	9	17	66	.29	59	54	57	NA	NA	NA	.07
2/10	75	55	65	17	22	81	.87	65	59	62	NA	NA	NA	.10
2/11	61	38	50	2	22	81	.03	63	54	59	NA	NA	NA	.07
2/12	65	38	52	4	22	83	.00	61	52	57	NA	NA	NA	.09
2/13	75	39	57	8	22	90	.00	60	52	56	NA	NA	NA	.15
2/14	76	45	61	12	23	101	.00	61	53	57	NA	NA	NA	.14
2/15	75	62	69	20	32	120	.79	63	58	61	NA	NA	NA	.08
2/16	74	65	70	21	42	140	.81	65	62	64	NA	NA	NA	.07
2/17	71	44	58	8	42	148	1.40	68	58	63	NA	NA	NA	.11
2/18	59	42	51	1	42	149	.04	68	56	62	NA	NA	NA	.05
2/19	53	45	49	-1	42	149	2.06	67	53	60	NA	NA	NA	.00
2/20	56	42	49	-1	42	149	.02	58	53	56	NA	NA	NA	.03
2/21	67	42	55	4	42	154	.00	62	52	57	NA	NA	NA	.10
2/22	65	49	57	6	42	161	1.12	59	53	56	NA	NA	NA	.06
2/23	70	52	61	10	43	172	Trace	63	52	58	NA	NA	NA	.09
2/24	57	35	46	-5	43	172	.00	59	51	55	NA	NA	NA	.06
2/25	68	35	52	0	43	174	.00	59	50	55	NA	NA	NA	.13
2/26	54	32	43	-9	43	174	.00	57	49	53	NA	NA	NA	.05
2/27	66	34	50	-2	43	174	.00	56	48	52	NA	NA	NA	.12
2/28	73	40	57	5	43	181	.00	58	50	54	NA	NA	NA	.15

AIR TEMPERATURES (in degrees F):
Mean Maximum= 66.4 Mean Minimum= 44.6 Average= 55.5
DFN= +5.3 DFN= +7.8 DFN= +6.5
Highest= 78 Lowest= 32

PRECIPITATION STATISTICS (inches):
Total= 8.30 DFN= +3.34 Greatest Daily= 2.06 Rain Days= 13

SOIL TEMPERATURES (in degrees F):
Highest= 68 Lowest= 48 Average= 57

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .08 (in)

Daily Weather Observations: Lower Coastal Plain Substation, Camden

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
3/ 1	73	47	60	7	0	10	.00	58	53	56	NA	NA	NA	.13
3/ 2	76	51	64	11	4	24	.14	61	55	58	NA	NA	NA	.13
3/ 3	65	44	55	2	4	29	.26	62	55	59	NA	NA	NA	.09
3/ 4	64	36	50	-3	4	29	.00	60	53	57	NA	NA	NA	.11
3/ 5	67	36	52	-2	4	31	.00	59	52	56	NA	NA	NA	.13
3/ 6	73	40	57	3	4	38	.00	59	52	56	NA	NA	NA	.15
3/ 7	79	44	62	8	6	50	.00	62	53	58	NA	NA	NA	.18
3/ 8	81	54	68	14	14	68	.00	64	56	60	NA	NA	NA	.16
3/ 9	66	53	60	5	14	78	.00	60	58	59	NA	NA	NA	.07
3/10	77	57	67	12	21	95	.00	64	58	61	NA	NA	NA	.13
3/11	83	53	68	13	29	113	.00	67	60	64	NA	NA	NA	.18
3/12	84	54	69	13	38	132	.00	67	60	64	NA	NA	NA	.18
3/13	81	57	69	13	47	151	.00	67	61	64	NA	NA	NA	.16
3/14	84	56	70	14	57	171	.00	68	62	65	NA	NA	NA	.18
3/15	84	60	72	16	69	193	.00	68	61	65	NA	NA	NA	.17
3/16	71	55	63	6	72	206	5.65	65	62	64	NA	NA	NA	.10
3/17	63	49	56	-1	72	212	1.62	62	58	60	NA	NA	NA	.07
3/18	67	40	54	-3	72	216	.00	66	56	61	NA	NA	NA	.13
3/19	69	44	57	0	72	223	.00	64	56	60	NA	NA	NA	.13
3/20	68	34	51	-7	72	224	.00	65	53	59	NA	NA	NA	.15
3/21	56	31	44	-14	72	224	.00	60	52	56	NA	NA	NA	.09
3/22	68	33	51	-7	72	225	.00	59	52	56	NA	NA	NA	.16
3/23	75	43	59	0	72	234	.00	62	53	58	NA	NA	NA	.17
3/24	80	52	66	7	78	250	.00	64	56	60	NA	NA	NA	.18
3/25	80	51	66	7	84	266	.00	66	59	63	NA	NA	NA	.18
3/26	76	48	62	2	86	278	.00	66	59	63	NA	NA	NA	.16
3/27	68	40	54	-6	86	282	.00	66	58	62	NA	NA	NA	.14
3/28	70	44	57	-3	86	289	.00	65	58	62	NA	NA	NA	.14
3/29	76	54	65	5	91	304	.03	66	59	63	NA	NA	NA	.15
3/30	73	57	65	4	96	319	.55	67	62	65	NA	NA	NA	.12
3/31	74	56	65	4	101	334	Trace	69	63	66	NA	NA	NA	.13

AIR TEMPERATURES (in degrees F):
Mean Maximum= 73.3 Mean Minimum= 47.5 Average= 60.4
DFN= +4.4 DFN= +3.8 DFN= +4.1
Highest= 84 Lowest= 31

PRECIPITATION STATISTICS (inches):
Total= 8.25 DFN= +1.00 Greatest Daily= 5.65 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 69 Lowest= 52 Average= 60

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .14 (in)

Daily Weather Observations: Lower Coastal Plain Substation, Camden

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
4/ 1	78	55	67	6	7	17	.00	70	65	68	NA	NA	NA	.16
4/ 2	82	55	69	7	16	36	.59	72	62	67	NA	NA	NA	.18
4/ 3	72	42	57	-5	16	43	.02	68	59	64	NA	NA	NA	.16
4/ 4	63	39	51	-11	16	44	.00	68	58	63	NA	NA	NA	.12
4/ 5	71	40	56	-7	16	50	.00	67	58	63	NA	NA	NA	.17
4/ 6	81	50	66	3	22	66	.00	69	59	64	NA	NA	NA	.20
4/ 7	72	36	54	-9	22	70	.08	66	57	62	NA	NA	NA	.19
4/ 8	62	35	49	-14	22	70	.00	67	57	62	NA	NA	NA	.13
4/ 9	68	35	52	-12	22	72	.00	67	56	62	NA	NA	NA	.16
4/10	81	42	62	-2	24	84	.00	68	58	63	NA	NA	NA	.23
4/11	81	51	66	2	30	100	.63	68	61	65	NA	NA	NA	.20
4/12	64	37	51	-14	30	101	.00	70	58	64	NA	NA	NA	.13
4/13	66	38	52	-13	30	103	.00	69	58	64	NA	NA	NA	.14
4/14	76	40	58	-7	30	111	.00	70	58	64	NA	NA	NA	.20
4/15	79	54	67	2	37	128	.90	75	62	69	NA	NA	NA	.18
4/16	68	47	58	-8	37	136	.00	69	61	65	NA	NA	NA	.13
4/17	82	48	65	-1	42	151	.00	75	61	68	NA	NA	NA	.22
4/18	83	48	66	0	48	167	.00	75	63	69	NA	NA	NA	.22
4/19	75	48	62	-5	50	179	.00	75	65	70	NA	NA	NA	.17
4/20	70	53	62	-5	52	191	.00	69	65	67	NA	NA	NA	.13
4/21	77	53	65	-2	57	206	.00	71	65	68	NA	NA	NA	.17
4/22	82	56	69	2	66	225	.01	75	65	70	NA	NA	NA	.19
4/23	83	59	71	3	77	246	Trace	76	67	72	NA	NA	NA	.19
4/24	85	59	72	4	89	268	.00	80	68	74	NA	NA	NA	.20
4/25	81	60	71	3	100	289	.00	75	69	72	NA	NA	NA	.18
4/26	85	57	71	3	111	310	.00	78	68	73	NA	NA	NA	.21
4/27	87	57	72	4	123	332	.00	81	58	70	NA	NA	NA	.23
4/28	82	58	70	2	133	352	.58	76	69	73	NA	NA	NA	.19
4/29	79	52	66	-3	139	368	.00	77	67	72	NA	NA	NA	.19
4/30	86	53	70	1	149	388	.00	79	67	73	NA	NA	NA	.23

AIR TEMPERATURES (in degrees F):
Mean Maximum= 76.7 Mean Minimum= 48.6 Average= 62.6
DFN= -1.0 DFN= -3.9 DFN= -2.5
Highest= 87 Lowest= 35

PRECIPITATION STATISTICS (inches):
Total= 2.81 DFN= -2.39 Greatest Daily= .90 Rain Days= 7

SOIL TEMPERATURES (in degrees F):
Highest= 81 Lowest= 56 Average= 67

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .18 (in)

Daily Weather Observations: Lower Coastal Plain Substation, Camden

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
5/ 1	90	67	79	10	19	29	.00	83	70	77	NA	NA	NA	.21
5/ 2	88	66	77	8	36	56	.00	83	73	78	NA	NA	NA	.21
5/ 3	87	64	76	7	52	82	.00	83	74	79	NA	NA	NA	.21
5/ 4	93	64	79	10	71	111	.00	83	74	79	NA	NA	NA	.24
5/ 5	81	69	75	5	86	136	.00	78	74	76	NA	NA	NA	.15
5/ 6	74	50	62	-8	88	148	.00	78	70	74	NA	NA	NA	.17
5/ 7	70	47	59	-11	88	157	.00	77	68	73	NA	NA	NA	.15
5/ 8	79	52	66	-4	94	173	.00	82	68	75	NA	NA	NA	.20
5/ 9	81	55	68	-2	102	191	.53	78	69	74	NA	NA	NA	.20
5/10	79	60	70	-1	112	211	.23	79	70	75	NA	NA	NA	.17
5/11	74	46	60	-11	112	221	.00	81	67	74	NA	NA	NA	.18
5/12	78	51	65	-6	117	236	.00	80	67	74	NA	NA	NA	.19
5/13	84	53	69	-2	126	255	2.21	81	68	75	NA	NA	NA	.23
5/14	73	60	67	-5	133	272	.00	79	69	74	NA	NA	NA	.13
5/15	82	62	72	0	145	294	.00	81	69	75	NA	NA	NA	.19
5/16	90	64	77	5	162	321	.00	84	72	78	NA	NA	NA	.23
5/17	90	66	78	6	180	349	.00	84	74	79	NA	NA	NA	.22
5/18	85	56	71	-1	191	370	Trace	82	72	77	NA	NA	NA	.22
5/19	85	58	72	-1	203	392	.00	83	72	78	NA	NA	NA	.22
5/20	87	63	75	2	218	417	.42	83	74	79	NA	NA	NA	.21
5/21	89	64	77	4	235	444	.53	84	75	80	NA	NA	NA	.22
5/22	86	60	73	0	248	467	1.83	80	71	76	NA	NA	NA	.22
5/23	83	53	68	-6	256	485	.00	80	71	76	NA	NA	NA	.22
5/24	83	53	68	-6	264	503	.00	80	71	76	NA	NA	NA	.22
5/25	85	63	74	0	278	527	.00	82	73	78	NA	NA	NA	.20
5/26	89	63	76	2	294	553	.00	83	73	78	NA	NA	NA	.23
5/27	89	68	79	4	313	582	.00	84	76	80	NA	NA	NA	.21
5/28	84	63	74	-1	327	606	.32	81	75	78	NA	NA	NA	.20
5/29	81	59	70	-5	337	626	Trace	81	75	78	NA	NA	NA	.19
5/30	82	55	69	-6	346	645	.00	83	73	78	NA	NA	NA	.21
5/31	85	58	72	-4	358	667	.00	83	73	78	NA	NA	NA	.22

AIR TEMPERATURES (in degrees F):
Mean Maximum= 83.4 Mean Minimum= 59.1 Average= 71.3
DFN= -.3 DFN= -.9 DFN= -.6
Highest= 93 Lowest= 46

PRECIPITATION STATISTICS (inches):
Total= 6.07 DFN= +1.59 Greatest Daily= 2.21 Rain Days= 7

SOIL TEMPERATURES (in degrees F):
Highest= 84 Lowest= 67 Average= 77

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .20 (in)

Daily Weather Observations: Lower Coastal Plain Substation, Camden

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
6/ 1	82	64	73	-3	13	23	Trace	80	75	78	NA	NA	NA	.18
6/ 2	86	66	76	0	29	49	.52	88	76	82	NA	NA	NA	.20
6/ 3	90	67	79	3	48	78	.00	86	76	81	NA	NA	NA	.22
6/ 4	86	67	77	0	65	105	.00	85	75	80	NA	NA	NA	.20
6/ 5	85	61	73	-4	78	128	.00	83	76	80	NA	NA	NA	.21
6/ 6	88	64	76	-1	94	154	.00	84	76	80	NA	NA	NA	.22
6/ 7	93	71	82	5	116	186	.00	87	76	82	NA	NA	NA	.23
6/ 8	93	67	80	3	136	216	.00	88	79	84	NA	NA	NA	.24
6/ 9	92	69	81	3	157	247	.00	89	79	84	NA	NA	NA	.23
6/10	92	68	80	2	177	277	.00	88	80	84	NA	NA	NA	.23
6/11	93	67	80	2	197	307	.00	89	80	85	NA	NA	NA	.24
6/12	89	60	75	-3	212	332	.00	90	79	85	NA	NA	NA	.24
6/13	92	63	78	0	230	360	.00	90	79	85	NA	NA	NA	.25
6/14	93	68	81	2	251	391	.00	90	80	85	NA	NA	NA	.24
6/15	92	69	81	2	272	422	.00	89	80	85	NA	NA	NA	.23
6/16	94	70	82	3	294	454	.08	91	80	86	NA	NA	NA	.24
6/17	88	70	79	0	313	483	.00	86	80	83	NA	NA	NA	.20
6/18	94	72	83	4	336	516	.78	89	80	85	NA	NA	NA	.24
6/19	94	70	82	3	358	548	.00	90	80	85	NA	NA	NA	.24
6/20	94	65	80	1	378	578	.00	90	80	85	NA	NA	NA	.26
6/21	97	68	83	3	401	611	.00	89	80	85	NA	NA	NA	.27
6/22	96	73	85	5	426	646	.00	90	82	86	NA	NA	NA	.24
6/23	93	66	80	0	446	676	.13	89	81	85	NA	NA	NA	.25
6/24	87	61	74	-6	460	700	.00	89	79	84	NA	NA	NA	.23
6/25	89	61	75	-5	475	725	.00	88	76	82	NA	NA	NA	.24
6/26	90	62	76	-4	491	751	.00	88	78	83	NA	NA	NA	.24
6/27	92	64	78	-2	509	779	.00	88	78	83	NA	NA	NA	.25
6/28	96	66	81	1	530	810	.00	90	79	85	NA	NA	NA	.27
6/29	97	68	83	3	553	843	.00	89	81	85	NA	NA	NA	.27
6/30	94	70	82	2	575	875	.00	90	81	86	NA	NA	NA	.24

AIR TEMPERATURES (in degrees F):
Mean Maximum= 91.4 Mean Minimum= 66.6 Average= 79.0
DFN= +1.7 DFN= +.0 DFN= +.8
Highest= 97 Lowest= 60

PRECIPITATION STATISTICS (inches):
Total= 1.51 DFN= -2.61 Greatest Daily= .78 Rain Days= 4

SOIL TEMPERATURES (in degrees F):
Highest= 91 Lowest= 75 Average= 83

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .24 (in)

Daily Weather Observations: Lower Coastal Plain Substation, Camden

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
7/ 1	94	71	83	3	23	33	.00	88	82	85	NA	NA	NA	.24
7/ 2	96	71	84	4	47	67	.00	91	82	87	NA	NA	NA	.25
7/ 3	97	66	82	2	69	99	.06	80	NA	NA	NA	NA	NA	.27
7/ 4	93	67	80	0	89	129	.00	90	80	85	NA	NA	NA	.24
7/ 5	92	68	80	0	109	159	.00	89	81	85	NA	NA	NA	.23
7/ 6	93	71	82	2	131	191	.00	90	80	85	NA	NA	NA	.23
7/ 7	95	73	84	4	155	225	.00	91	81	86	NA	NA	NA	.24
7/ 8	100	73	87	7	182	262	.00	95	82	89	NA	NA	NA	.27
7/ 9	102	70	86	6	208	298	.39	94	82	88	NA	NA	NA	.29
7/10	91	71	81	1	229	329	.00	89	81	85	NA	NA	NA	.22
7/11	95	72	84	4	253	363	.00	89	81	85	NA	NA	NA	.24
7/12	93	70	82	2	275	395	.58	88	80	84	NA	NA	NA	.23
7/13	88	69	79	-2	294	424	.40	86	80	83	NA	NA	NA	.20
7/14	81	68	75	-6	309	449	1.00	81	78	80	NA	NA	NA	.16
7/15	84	64	74	-7	323	473	.00	84	78	81	NA	NA	NA	.19
7/16	87	65	76	-5	339	499	.00	86	78	82	NA	NA	NA	.21
7/17	86	67	77	-4	356	526	.04	83	78	81	NA	NA	NA	.20
7/18	78	69	74	-7	370	550	.01	80	78	79	NA	NA	NA	.14
7/19	88	68	78	-3	388	578	.29	89	78	84	NA	NA	NA	.21
7/20	87	69	78	-3	406	606	Trace	85	78	82	NA	NA	NA	.20
7/21	81	69	75	-6	421	631	.03	82	79	81	NA	NA	NA	.16
7/22	90	70	80	-1	441	661	.04	86	79	83	NA	NA	NA	.21
7/23	92	72	82	1	463	693	.00	87	79	83	NA	NA	NA	.22
7/24	92	67	80	-1	483	723	.90	88	79	84	NA	NA	NA	.23
7/25	87	68	78	-3	501	751	.00	86	79	83	NA	NA	NA	.20
7/26	90	68	79	-2	520	780	.00	89	79	84	NA	NA	NA	.22
7/27	91	69	80	-1	540	810	.00	88	79	84	NA	NA	NA	.22
7/28	92	69	81	0	561	841	.00	90	81	86	NA	NA	NA	.23
7/29	91	69	80	-1	581	871	.00	90	81	86	NA	NA	NA	.22
7/30	95	69	82	1	603	903	.00	91	81	86	NA	NA	NA	.24
7/31	96	70	83	2	626	936	.00	91	82	87	NA	NA	NA	.25

AIR TEMPERATURES (in degrees F):
Mean Maximum= 90.9 Mean Minimum= 69.1 Average= 80.0
DFN= -.7 DFN= -.4 DFN= -.6
Highest= 102 Lowest= 64

PRECIPITATION STATISTICS (inches):
Total= 3.74 DFN= -2.09 Greatest Daily= 1.00 Rain Days= 11

SOIL TEMPERATURES (in degrees F):
Highest= 95 Lowest= 78 Average= 84

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .22 (in)

Daily Weather Observations: Lower Coastal Plain Substation, Camden

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
8/ 1	95	69	82	1	22	32	.37	89	80	85	NA	NA	NA	.24
8/ 2	91	70	81	0	43	63	.02	89	81	85	NA	NA	NA	.21
8/ 3	93	68	81	0	64	94	.47	89	81	85	NA	NA	NA	.23
8/ 4	92	70	81	0	85	125	.00	90	80	85	NA	NA	NA	.22
8/ 5	96	72	84	3	109	159	.00	90	82	86	NA	NA	NA	.24
8/ 6	98	72	85	4	134	194	Trace	91	82	87	NA	NA	NA	.25
8/ 7	92	70	81	0	155	225	.00	90	82	86	NA	NA	NA	.22
8/ 8	89	63	76	-5	171	251	.00	90	80	85	NA	NA	NA	.22
8/ 9	87	58	73	-8	184	274	.00	86	79	83	NA	NA	NA	.22
8/10	90	59	75	-6	199	299	.00	88	79	84	NA	NA	NA	.24
8/11	90	62	76	-4	215	325	.00	87	78	83	NA	NA	NA	.23
8/12	93	64	79	-1	234	354	.00	87	79	83	NA	NA	NA	.24
8/13	97	65	81	1	255	385	.00	87	79	83	NA	NA	NA	.26
8/14	93	66	80	0	275	415	.00	87	79	83	NA	NA	NA	.24
8/15	97	68	83	3	298	448	.00	88	79	84	NA	NA	NA	.25
8/16	96	68	82	2	320	480	.00	88	80	84	NA	NA	NA	.25
8/17	98	71	85	5	345	515	.00	88	80	84	NA	NA	NA	.25
8/18	99	72	86	6	371	551	.00	89	81	85	NA	NA	NA	.25
8/19	100	71	86	6	397	587	.00	89	81	85	NA	NA	NA	.26
8/20	99	68	84	4	421	621	.01	89	81	85	NA	NA	NA	.26
8/21	98	69	84	4	445	655	.07	90	81	86	NA	NA	NA	.25
8/22	96	71	84	4	469	689	.00	88	81	85	NA	NA	NA	.23
8/23	94	68	81	1	490	720	.03	86	80	83	NA	NA	NA	.23
8/24	97	69	83	3	513	753	.00	89	80	85	NA	NA	NA	.25
8/25	97	68	83	4	536	786	.00	89	81	85	NA	NA	NA	.25
8/26	99	70	85	6	561	821	.00	90	80	85	NA	NA	NA	.25
8/27	99	72	86	7	587	857	.00	91	79	85	NA	NA	NA	.25
8/28	100	72	86	7	613	893	.00	89	82	86	NA	NA	NA	.25
8/29	100	72	86	7	639	929	.00	90	82	86	NA	NA	NA	.25
8/30	100	74	87	8	666	966	Trace	89	82	86	NA	NA	NA	.25
8/31	78	63	71	-8	677	987	.05	82	78	80	NA	NA	NA	.14

AIR TEMPERATURES (in degrees F):
Mean Maximum= 94.9 Mean Minimum= 68.2 Average= 81.6
DFN= +3.8 DFN= -.6 DFN= +1.6
Highest= 100 Lowest= 58

PRECIPITATION STATISTICS (inches):
Total= 1.02 DFN= -3.34 Greatest Daily= .47 Rain Days= 7

SOIL TEMPERATURES (in degrees F):
Highest= 91 Lowest= 78 Average= 84

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .24 (in)

Daily Weather Observations: Lower Coastal Plain Substation, Camden

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
9/ 1	94	65	80	1	20	30	.00	88	77	83	NA	NA	NA	.23
9/ 2	93	68	81	2	41	61	1.24	84	78	81	NA	NA	NA	.22
9/ 3	91	68	80	2	61	91	.38	86	78	82	NA	NA	NA	.21
9/ 4	95	68	82	4	83	123	.00	87	78	83	NA	NA	NA	.23
9/ 5	97	70	84	6	107	157	.00	88	80	84	NA	NA	NA	.24
9/ 6	93	68	81	3	128	188	.00	87	80	84	NA	NA	NA	.22
9/ 7	95	69	82	4	150	220	.00	86	80	83	NA	NA	NA	.22
9/ 8	96	69	83	5	173	253	.00	86	80	83	NA	NA	NA	.23
9/ 9	96	69	83	5	196	286	.00	85	80	83	NA	NA	NA	.23
9/10	96	68	82	5	218	318	.00	84	80	82	NA	NA	NA	.23
9/11	96	68	82	5	240	350	.02	86	80	83	NA	NA	NA	.23
9/12	92	69	81	4	261	381	.00	85	80	83	NA	NA	NA	.20
9/13	96	70	83	6	284	414	.00	84	79	82	NA	NA	NA	.22
9/14	94	69	82	6	306	446	Trace	84	79	82	NA	NA	NA	.21
9/15	88	68	78	2	324	474	.06	82	79	81	NA	NA	NA	.18
9/16	93	68	81	5	345	505	.00	88	79	84	NA	NA	NA	.21
9/17	94	59	77	1	362	532	.00	84	77	81	NA	NA	NA	.24
9/18	94	59	77	1	379	559	.00	83	76	80	NA	NA	NA	.24
9/19	94	59	77	2	396	586	.00	82	76	79	NA	NA	NA	.24
9/20	94	65	80	5	416	616	.00	81	76	79	NA	NA	NA	.22
9/21	93	68	81	6	437	647	.00	81	77	79	NA	NA	NA	.21
9/22	95	69	82	7	459	679	.00	83	78	81	NA	NA	NA	.21
9/23	93	58	76	2	475	705	.17	82	76	79	NA	NA	NA	.24
9/24	78	46	62	-12	477	717	.00	77	71	74	NA	NA	NA	.18
9/25	75	46	61	-12	478	728	.00	75	70	73	NA	NA	NA	.16
9/26	78	44	61	-12	479	739	.00	78	69	74	NA	NA	NA	.18
9/27	84	46	65	-7	484	754	.00	74	69	72	NA	NA	NA	.21
9/28	91	51	71	-1	495	775	.00	75	69	72	NA	NA	NA	.24
9/29	92	55	74	2	509	799	.01	76	70	73	NA	NA	NA	.23
9/30	85	64	75	4	524	824	.00	76	73	75	NA	NA	NA	.16

AIR TEMPERATURES (in degrees F):
Mean Maximum= 91.5 Mean Minimum= 62.8 Average= 77.1
DFN= +4.6 DFN= -1.5 DFN= +1.5
Highest= 97 Lowest= 44

PRECIPITATION STATISTICS (inches):
Total= 1.88 DFN= -2.25 Greatest Daily= 1.24 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 88 Lowest= 69 Average= 80

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .22 (in)

Daily Weather Observations: Lower Coastal Plain Substation, Camden

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
10/ 1	88	61	75	4	15	25	.00	78	73	76	NA	NA	NA	.19
10/ 2	91	62	77	6	32	52	.00	78	73	76	NA	NA	NA	.20
10/ 3	93	63	78	8	50	80	.00	78	73	76	NA	NA	NA	.21
10/ 4	94	63	79	9	69	109	.00	79	74	77	NA	NA	NA	.22
10/ 5	86	60	73	4	82	132	.25	78	74	76	NA	NA	NA	.18
10/ 6	89	56	73	4	95	155	.00	79	72	76	NA	NA	NA	.21
10/ 7	90	58	74	6	109	179	.15	79	72	76	NA	NA	NA	.21
10/ 8	92	67	80	12	129	209	.00	79	74	77	NA	NA	NA	.19
10/ 9	91	64	78	10	147	237	.00	78	74	76	NA	NA	NA	.19
10/10	91	56	74	7	161	261	.00	78	73	76	NA	NA	NA	.22
10/11	73	51	62	-5	163	273	.00	74	70	72	NA	NA	NA	.12
10/12	72	52	62	-4	165	285	.00	71	69	70	NA	NA	NA	.11
10/13	82	52	67	1	172	302	.00	74	70	72	NA	NA	NA	.17
10/14	75	45	60	-5	172	312	.00	73	69	71	NA	NA	NA	.15
10/15	83	46	65	0	177	327	.00	72	68	70	NA	NA	NA	.19
10/16	88	50	69	4	186	346	.00	72	68	70	NA	NA	NA	.21
10/17	90	52	71	7	197	367	.00	72	68	70	NA	NA	NA	.22
10/18	85	61	73	9	210	390	.41	73	69	71	NA	NA	NA	.16
10/19	72	43	58	-6	210	398	.00	73	66	70	NA	NA	NA	.13
10/20	71	44	58	-5	210	406	.00	69	65	67	NA	NA	NA	.12
10/21	80	44	62	-1	212	418	.00	69	65	67	NA	NA	NA	.18
10/22	77	62	70	7	222	438	.27	70	67	69	NA	NA	NA	.10
10/23	70	54	62	0	224	450	.30	70	68	69	NA	NA	NA	.08
10/24	63	44	54	-8	224	454	.00	68	65	67	NA	NA	NA	.07
10/25	70	45	58	-4	224	462	.00	67	63	65	NA	NA	NA	.11
10/26	62	39	51	-10	224	463	.00	64	61	63	NA	NA	NA	.07
10/27	64	35	50	-11	224	463	.00	64	60	62	NA	NA	NA	.10
10/28	70	37	54	-6	224	467	.00	64	59	62	NA	NA	NA	.13
10/29	74	36	55	-5	224	472	.00	63	58	61	NA	NA	NA	.16
10/30	70	39	55	-5	224	477	.00	62	59	61	NA	NA	NA	.12
10/31	76	41	59	0	224	486	.00	63	59	61	NA	NA	NA	.15

AIR TEMPERATURES (in degrees F):
Mean Maximum= 79.7 Mean Minimum= 51.0 Average= 65.4
DFN= +2.0 DFN= -.8 DFN= +.6
Highest= 94 Lowest= 35

PRECIPITATION STATISTICS (inches):
Total= 1.38 DFN= -1.65 Greatest Daily= .41 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 79 Lowest= 58 Average= 70

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .16 (in)

Daily Weather Observations: Lower Coastal Plain Substation, Camden

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
11/ 1	76	42	59	0	0	9	.00	63	59	61	NA	NA	NA	.15
11/ 2	79	43	61	2	1	20	.00	64	60	62	NA	NA	NA	.16
11/ 3	81	47	64	6	5	34	.00	64	60	62	NA	NA	NA	.16
11/ 4	84	51	68	10	13	52	.00	66	61	64	NA	NA	NA	.17
11/ 5	82	55	69	11	22	71	.00	66	62	64	NA	NA	NA	.14
11/ 6	70	43	57	0	22	78	.28	65	61	63	NA	NA	NA	.10
11/ 7	63	35	49	-8	22	78	.00	63	59	61	NA	NA	NA	.08
11/ 8	68	37	53	-4	22	81	.00	62	59	61	NA	NA	NA	.11
11/ 9	70	41	56	-1	22	87	.84	62	59	61	NA	NA	NA	.11
11/10	71	43	57	1	22	94	1.48	63	60	62	NA	NA	NA	.11
11/11	57	34	46	-10	22	94	.00	60	57	59	NA	NA	NA	.05
11/12	70	34	52	-4	22	96	.00	60	57	59	NA	NA	NA	.13
11/13	76	42	59	3	22	105	.00	61	57	59	NA	NA	NA	.14
11/14	74	42	58	3	22	113	.00	61	58	60	NA	NA	NA	.13
11/15	75	42	59	4	22	122	.00	61	58	60	NA	NA	NA	.13
11/16	76	47	62	7	24	134	.00	62	57	60	NA	NA	NA	.12
11/17	71	46	59	5	24	143	.00	63	59	61	NA	NA	NA	.09
11/18	64	34	49	-5	24	143	.00	63	57	60	NA	NA	NA	.09
11/19	65	34	50	-4	24	143	.00	62	56	59	NA	NA	NA	.09
11/20	65	39	52	-2	24	145	.00	59	56	58	NA	NA	NA	.07
11/21	73	43	58	5	24	153	.00	60	57	59	NA	NA	NA	.11
11/22	77	46	62	9	26	165	.00	61	57	59	NA	NA	NA	.13
11/23	76	48	62	9	28	177	.13	61	58	60	NA	NA	NA	.11
11/24	66	40	53	0	28	180	.03	62	59	61	NA	NA	NA	.08
11/25	71	40	56	4	28	186	.00	61	58	60	NA	NA	NA	.11
11/26	73	43	58	6	28	194	.00	59	58	59	NA	NA	NA	.11
11/27	81	61	71	19	39	215	.03	63	59	61	NA	NA	NA	.10
11/28	81	66	74	23	53	239	.00	65	62	64	NA	NA	NA	.09
11/29	72	37	55	4	53	244	.28	64	60	62	NA	NA	NA	.12
11/30	54	28	41	-10	53	244	.00	60	55	58	NA	NA	NA	.04

AIR TEMPERATURES (in degrees F):
Mean Maximum= 72.0 DFN= +4.9 Mean Minimum= 42.8 DFN= +.7 Average= 57.4 DFN= +2.8
Highest= 84 Lowest= 28

PRECIPITATION STATISTICS (inches):
Total= 3.07 DFN= -.66 Greatest Daily= 1.48 Rain Days= 7

SOIL TEMPERATURES (in degrees F):
Highest= 66 Lowest= 55 Average= 60

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .11 (in)

Daily Weather Observations: Lower Coastal Plain Substation, Camden

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
12/ 1	59	30	45	-6	0	0	.00	57	55	56	NA	NA	NA	.06
12/ 2	70	39	55	4	0	5	.00	58	55	57	NA	NA	NA	.10
12/ 3	75	54	65	15	5	20	.19	61	58	60	NA	NA	NA	.08
12/ 4	66	32	49	-1	5	20	2.06	62	56	59	NA	NA	NA	.10
12/ 5	53	25	39	-11	5	20	.00	57	53	55	NA	NA	NA	.04
12/ 6	52	25	39	-11	5	20	.00	54	51	53	NA	NA	NA	.03
12/ 7	59	26	43	-6	5	20	Trace	53	51	52	NA	NA	NA	.07
12/ 8	53	33	43	-6	5	20	.04	55	53	54	NA	NA	NA	.01
12/ 9	54	27	41	-8	5	20	.00	55	51	53	NA	NA	NA	.04
12/10	60	27	44	-5	5	20	.00	54	48	51	NA	NA	NA	.07
12/11	65	30	48	-1	5	20	.00	53	50	52	NA	NA	NA	.09
12/12	67	33	50	1	5	20	.00	53	50	52	NA	NA	NA	.10
12/13	68	39	54	5	5	24	.00	54	51	53	NA	NA	NA	.08
12/14	75	55	65	17	10	39	.00	58	54	56	NA	NA	NA	.08
12/15	72	57	65	17	15	54	.00	60	57	59	NA	NA	NA	.05
12/16	73	54	64	16	19	68	.00	61	58	60	NA	NA	NA	.07
12/17	73	57	65	17	24	83	.00	62	59	61	NA	NA	NA	.06
12/18	77	58	68	20	32	101	.00	63	60	62	NA	NA	NA	.08
12/19	75	49	62	14	34	113	.46	64	60	62	NA	NA	NA	.10
12/20	64	50	57	9	34	120	.04	62	60	61	NA	NA	NA	.02
12/21	76	57	67	20	41	137	Trace	64	60	62	NA	NA	NA	.08
12/22	72	58	65	18	46	152	.01	64	63	64	NA	NA	NA	.05
12/23	81	53	67	20	53	169	.24	67	64	66	NA	NA	NA	.12
12/24	53	24	39	-8	53	169	.89	67	55	61	NA	NA	NA	.04
12/25	35	21	28	-19	53	169	.00	55	50	53	NA	NA	NA	.00
12/26	38	21	30	-17	53	169	.00	51	50	51	NA	NA	NA	.00
12/27	50	34	42	-5	53	169	Trace	53	51	52	NA	NA	NA	.00
12/28	58	41	50	3	53	169	Trace	55	52	54	NA	NA	NA	.01
12/29	76	53	65	18	58	184	.00	59	55	57	NA	NA	NA	.09
12/30	69	57	63	16	61	197	.00	60	55	58	NA	NA	NA	.03
12/31	79	35	57	11	61	204	.16	64	56	60	NA	NA	NA	.17

AIR TEMPERATURES (in degrees F):
Mean Maximum= 64.4 Mean Minimum= 40.5 Average= 52.4
DFN= +4.6 DFN= +4.2 DFN= +4.4
Highest= 81 Lowest= 21

PRECIPITATION STATISTICS (inches):
Total= 4.09 DFN= -1.63 Greatest Daily= 2.06 Rain Days= 9

SOIL TEMPERATURES (in degrees F):
Highest= 67 Lowest= 48 Average= 57

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .06 (in)

Daily Weather Observations: Piedmont Substation, Camp Hill

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
1/ 1	65	34	50	5	0	0	.22	NA	NA	NA	NA	NA	NA	.08
1/ 2	49	33	41	-4	0	0	.00	NA	NA	NA	NA	NA	NA	.00
1/ 3	52	35	44	-1	0	0	Trace	NA	NA	NA	NA	NA	NA	.00
1/ 4	60	36	48	3	0	0	.02	NA	NA	NA	NA	NA	NA	.04
1/ 5	56	55	56	11	0	6	.32	NA	NA	NA	NA	NA	NA	.00
1/ 6	58	55	57	12	0	13	1.32	NA	NA	NA	NA	NA	NA	.00
1/ 7	56	48	52	7	0	15	.10	NA	NA	NA	NA	NA	NA	.00
1/ 8	56	47	52	7	0	17	.43	NA	NA	NA	NA	NA	NA	.00
1/ 9	50	40	45	0	0	17	.00	NA	NA	NA	NA	NA	NA	.00
1/10	54	35	45	1	0	17	.00	NA	NA	NA	NA	NA	NA	.01
1/11	62	34	48	4	0	17	.00	NA	NA	NA	NA	NA	NA	.06
1/12	69	34	52	8	0	19	.00	NA	NA	NA	NA	NA	NA	.11
1/13	53	24	39	-5	0	19	.00	NA	NA	NA	NA	NA	NA	.04
1/14	52	25	39	-5	0	19	.00	NA	NA	NA	NA	NA	NA	.03
1/15	52	32	42	-2	0	19	.00	NA	NA	NA	NA	NA	NA	.01
1/16	67	31	49	5	0	19	.00	NA	NA	NA	NA	NA	NA	.11
1/17	74	35	55	11	0	24	.00	NA	NA	NA	NA	NA	NA	.14
1/18	75	52	64	20	4	38	.42	NA	NA	NA	NA	NA	NA	.09
1/19	65	54	60	16	4	48	.20	NA	NA	NA	NA	NA	NA	.02
1/20	75	53	64	19	8	62	Trace	NA	NA	NA	NA	NA	NA	.09
1/21	75	49	62	17	10	74	1.45	NA	NA	NA	NA	NA	NA	.10
1/22	58	31	45	0	10	74	.00	NA	NA	NA	NA	NA	NA	.05
1/23	63	29	46	1	10	74	.00	NA	NA	NA	NA	NA	NA	.09
1/24	61	30	46	1	10	74	Trace	NA	NA	NA	NA	NA	NA	.08
1/25	57	50	54	9	10	78	3.56	NA	NA	NA	NA	NA	NA	.00
1/26	58	29	44	-1	10	78	.33	NA	NA	NA	NA	NA	NA	.06
1/27	54	27	41	-4	10	78	.00	NA	NA	NA	NA	NA	NA	.04
1/28	61	28	45	0	10	78	Trace	NA	NA	NA	NA	NA	NA	.09
1/29	68	28	48	2	10	78	.00	NA	NA	NA	NA	NA	NA	.13
1/30	62	26	44	-2	10	78	.30	NA	NA	NA	NA	NA	NA	.10
1/31	54	26	40	-6	10	78	.00	NA	NA	NA	NA	NA	NA	.05

AIR TEMPERATURES (in degrees F):
Mean Maximum= 60.4 Mean Minimum= 36.9 Average= 48.6
DFN= +4.7 DFN= +3.3 DFN= +4.0
Highest= 75 Lowest= 24

PRECIPITATION STATISTICS (inches):
Total= 8.67 DFN= +3.31 Greatest Daily= 3.56 Rain Days= 12

SOIL TEMPERATURES (in degrees F):
Highest= 0 Lowest= 99 Average= 0

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .05 (in)

Daily Weather Observations: Piedmont Substation, Camp Hill

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
2/ 1	70	30	50	4	0	0	.00	NA	NA	NA	NA	NA	NA	.14
2/ 2	69	42	56	10	0	6	.00	NA	NA	NA	NA	NA	NA	.10
2/ 3	74	61	68	22	8	24	Trace	NA	NA	NA	NA	NA	NA	.07
2/ 4	76	61	69	23	17	43	.30	NA	NA	NA	NA	NA	NA	.08
2/ 5	64	34	49	3	17	43	Trace	NA	NA	NA	NA	NA	NA	.09
2/ 6	66	34	50	4	17	43	.00	NA	NA	NA	NA	NA	NA	.10
2/ 7	65	37	51	5	17	44	.15	NA	NA	NA	NA	NA	NA	.09
2/ 8	67	37	52	5	17	46	.00	NA	NA	NA	NA	NA	NA	.10
2/ 9	65	37	51	4	17	47	.15	NA	NA	NA	NA	NA	NA	.09
2/10	69	51	60	13	17	57	1.02	NA	NA	NA	NA	NA	NA	.07
2/11	61	32	47	0	17	57	.18	NA	NA	NA	NA	NA	NA	.08
2/12	72	34	53	6	17	60	.00	NA	NA	NA	NA	NA	NA	.15
2/13	72	34	53	6	17	63	.00	NA	NA	NA	NA	NA	NA	.15
2/14	73	39	56	8	17	69	.00	NA	NA	NA	NA	NA	NA	.14
2/15	75	51	63	15	20	82	.04	NA	NA	NA	NA	NA	NA	.11
2/16	74	59	67	19	27	99	.11	NA	NA	NA	NA	NA	NA	.08
2/17	72	41	57	9	27	106	1.76	NA	NA	NA	NA	NA	NA	.13
2/18	64	41	53	4	27	109	.00	NA	NA	NA	NA	NA	NA	.08
2/19	55	41	48	-1	27	109	2.45	NA	NA	NA	NA	NA	NA	.02
2/20	59	41	50	1	27	109	.04	NA	NA	NA	NA	NA	NA	.05
2/21	69	42	56	7	27	115	.00	NA	NA	NA	NA	NA	NA	.11
2/22	65	43	54	4	27	119	.22	NA	NA	NA	NA	NA	NA	.08
2/23	66	50	58	8	27	127	.89	NA	NA	NA	NA	NA	NA	.07
2/24	66	33	50	0	27	127	Trace	NA	NA	NA	NA	NA	NA	.12
2/25	67	29	48	-2	27	127	.00	NA	NA	NA	NA	NA	NA	.14
2/26	54	28	41	-10	27	127	.00	NA	NA	NA	NA	NA	NA	.06
2/27	61	28	45	-6	27	127	.00	NA	NA	NA	NA	NA	NA	.11
2/28	70	32	51	0	27	128	.00	NA	NA	NA	NA	NA	NA	.15

AIR TEMPERATURES (in degrees F):
Mean Maximum= 67.1 Mean Minimum= 40.1 Average= 53.6
DFN= +7.3 DFN= +4.4 DFN= +5.8
Highest= 76 Lowest= 28

PRECIPITATION STATISTICS (inches):
Total= 7.31 DFN= +1.68 Greatest Daily= 2.45 Rain Days= 12

SOIL TEMPERATURES (in degrees F):
Highest= 0 Lowest= 99 Average= 0

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .10 (in)

Daily Weather Observations: Piedmont Substation, Camp Hill

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
3/ 1	72	40	56	5	0	6	.00	NA	NA	NA	NA	NA	NA	.14
3/ 2	71	45	58	6	0	14	.17	NA	NA	NA	NA	NA	NA	.12
3/ 3	66	42	54	2	0	18	.72	NA	NA	NA	NA	NA	NA	.10
3/ 4	64	32	48	-4	0	18	.00	NA	NA	NA	NA	NA	NA	.12
3/ 5	68	32	50	-2	0	18	.00	NA	NA	NA	NA	NA	NA	.15
3/ 6	73	32	53	0	0	21	.00	NA	NA	NA	.18	NA	NA	.18
3/ 7	75	37	56	3	0	27	.00	NA	NA	NA	.19	NA	NA	.18
3/ 8	75	42	59	6	0	36	.00	NA	NA	NA	.25	NA	NA	.16
3/ 9	55	42	49	-4	0	36	.18	NA	NA	NA	NA	NA	NA	.04
3/10	73	46	60	6	0	46	.00	NA	NA	NA	.08	NA	NA	.14
3/11	83	48	66	12	6	62	.00	NA	NA	NA	.15	NA	NA	.19
3/12	82	49	66	12	12	78	.00	NA	NA	NA	.15	NA	NA	.19
3/13	83	50	67	12	19	95	.00	NA	NA	NA	.14	NA	NA	.19
3/14	85	52	69	14	28	114	.00	NA	NA	NA	.17	NA	NA	.20
3/15	82	51	67	12	35	131	.00	NA	NA	NA	.24	NA	NA	.18
3/16	80	60	70	14	45	151	3.21	NA	NA	NA	NA	NA	NA	.14
3/17	70	52	61	5	46	162	5.75	NA	NA	NA	NA	NA	NA	.11
3/18	68	38	53	-3	46	165	.00	NA	NA	NA	NA	NA	NA	.14
3/19	72	39	56	0	46	171	.00	NA	NA	NA	.12	NA	NA	.16
3/20	73	29	51	-6	46	172	.00	NA	NA	NA	.22	NA	NA	.20
3/21	54	27	41	-16	46	172	.00	NA	NA	NA	NA	NA	NA	.09
3/22	70	30	50	-7	46	172	.00	NA	NA	NA	.06	NA	NA	.18
3/23	75	35	55	-2	46	177	.00	NA	NA	NA	.17	NA	NA	.20
3/24	81	47	64	6	50	191	.00	71	61	66	.16	NA	NA	.20
3/25	79	46	63	5	53	204	.00	71	62	67	.16	NA	NA	.19
3/26	78	47	63	5	56	217	.00	73	62	68	.13	NA	NA	.18
3/27	67	35	51	-7	56	218	.00	70	59	65	.15	NA	NA	.15
3/28	69	37	53	-6	56	221	.00	70	59	65	.28	NA	NA	.16
3/29	62	41	52	-7	56	223	.24	65	60	63	NA	NA	NA	.10
3/30	58	51	55	-4	56	228	.05	62	60	61	.05	NA	NA	.04
3/31	62	52	57	-2	56	235	.45	64	60	62	NA	NA	NA	.07

AIR TEMPERATURES (in degrees F):
Mean Maximum= 71.8 Mean Minimum= 42.1 Average= 57.0
DFN= +4.2 DFN= -.4 DFN= +1.9
Highest= 85 Lowest= 27

PRECIPITATION STATISTICS (inches):
Total= 10.77 DFN= +3.67 Greatest Daily= 5.75 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 73 Lowest= 59 Average= 64

AVERAGE DAILY VALUES:
Pan Evaporation= .16 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .15 (in)

Daily Weather Observations: Piedmont Substation, Camp Hill

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
4/ 1	76	51	64	4	4	14	.00	70	62	66	.06	NA	NA	.16
4/ 2	80	51	66	6	10	30	.45	72	59	66	NA	NA	NA	.18
4/ 3	72	38	55	-5	10	35	.00	70	60	65	.19	NA	NA	.18
4/ 4	59	32	46	-15	10	35	.00	70	57	64	.18	NA	NA	.11
4/ 5	68	32	50	-11	10	35	.00	71	57	64	.17	NA	NA	.17
4/ 6	82	46	64	3	14	49	.00	73	59	66	NA	NA	NA	.22
4/ 7	71	31	51	-10	14	50	.71	67	56	62	NA	NA	NA	.19
4/ 8	63	29	46	-16	14	50	.00	68	55	62	NA	NA	NA	.15
4/ 9	69	30	50	-12	14	50	.00	71	56	64	NA	NA	NA	.19
4/10	75	38	57	-5	14	57	.00	75	58	67	.25	NA	NA	.20
4/11	78	47	63	0	17	70	1.00	74	63	69	.18	NA	NA	.19
4/12	65	32	49	-14	17	70	.00	71	57	64	.22	NA	NA	.16
4/13	65	33	49	-14	17	70	.00	73	56	65	.21	NA	NA	.15
4/14	72	34	53	-10	17	73	.00	76	58	67	.21	NA	NA	.20
4/15	79	51	65	1	22	88	1.00	75	62	69	.22	NA	NA	.19
4/16	75	44	60	-4	22	98	.00	74	63	69	.10	NA	NA	.18
4/17	80	41	61	-3	23	109	.00	76	64	70	.17	NA	NA	.23
4/18	83	43	63	-1	26	122	.00	79	63	71	.28	NA	NA	.24
4/19	71	42	57	-8	26	129	.00	76	64	70	.28	NA	NA	.17
4/20	64	53	59	-6	26	138	.00	69	64	67	.18	NA	NA	.09
4/21	78	53	66	1	32	154	.00	75	69	72	.12	NA	NA	.18
4/22	82	54	68	3	40	172	.30	76	64	70	.14	NA	NA	.20
4/23	83	54	69	3	49	191	.00	80	66	73	.18	NA	NA	.21
4/24	83	52	68	2	57	209	.00	81	68	75	.20	NA	NA	.21
4/25	86	53	70	4	67	229	.00	82	67	75	.23	NA	NA	.23
4/26	87	49	68	2	75	247	.00	84	68	76	.19	NA	NA	.25
4/27	86	49	68	2	83	265	.00	84	68	76	.25	NA	NA	.24
4/28	82	70	76	9	99	291	.70	85	52	69	NA	NA	NA	.15
4/29	76	46	61	-6	100	302	.75	75	66	71	NA	NA	NA	.19
4/30	86	42	64	-3	104	316	.00	81	67	74	NA	NA	NA	.27

AIR TEMPERATURES (in degrees F):
Mean Maximum= 75.9 Mean Minimum= 44.0 Average= 59.9
DFN= -.7 DFN= -6.3 DFN= -3.5
Highest= 87 Lowest= 29

PRECIPITATION STATISTICS (inches):
Total= 4.91 DFN= -.54 Greatest Daily= 1.00 Rain Days= 7

SOIL TEMPERATURES (in degrees F):
Highest= 85 Lowest= 52 Average= 68

AVERAGE DAILY VALUES:
Pan Evaporation= .19 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .19 (in)

Daily Weather Observations: Piedmont Substation, Camp Hill

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
5/ 1	87	61	74	7	14	24	.00	85	72	79	.12	NA	NA	.21
5/ 2	84	59	72	4	26	46	.00	82	72	77	.12	NA	NA	.20
5/ 3	89	54	72	4	38	68	.00	87	75	81	.26	NA	NA	.25
5/ 4	92	63	78	10	56	96	.00	89	75	82	.26	NA	NA	.24
5/ 5	80	64	72	4	68	118	Trace	80	75	78	.13	NA	NA	.16
5/ 6	74	46	60	-9	68	128	.15	79	69	74	.09	NA	NA	.18
5/ 7	69	41	55	-14	68	133	.00	77	66	72	.13	NA	NA	.17
5/ 8	77	42	60	-9	68	143	.00	83	65	74	.24	NA	NA	.21
5/ 9	78	49	64	-5	72	157	.14	80	70	75	.04	NA	NA	.20
5/10	71	59	65	-5	77	172	.80	73	70	72	NA	NA	NA	.12
5/11	73	41	57	-13	77	179	.00	80	66	73	.20	NA	NA	.19
5/12	75	43	59	-11	77	188	Trace	81	65	73	.24	NA	NA	.20
5/13	82	54	68	-2	85	206	.82	80	66	73	NA	NA	NA	.21
5/14	72	59	66	-4	91	222	.02	74	70	72	.07	NA	NA	.13
5/15	86	59	73	3	104	245	.00	85	70	78	.21	NA	NA	.22
5/16	90	59	75	4	119	270	.00	82	72	77	.20	NA	NA	.25
5/17	89	64	77	6	136	297	.00	NA	74	NA	.38	NA	NA	.22
5/18	83	49	66	-5	142	313	.43	83	70	77	.09	NA	NA	.23
5/19	84	50	67	-4	149	330	.00	83	70	77	.21	NA	NA	.24
5/20	85	53	69	-3	158	349	.00	85	72	79	.17	NA	NA	.23
5/21	86	62	74	2	172	373	.23	86	75	81	.16	NA	NA	.21
5/22	74	60	67	-5	179	390	.62	78	71	75	.06	NA	NA	.14
5/23	77	49	63	-9	182	403	.00	83	69	76	.26	NA	NA	.20
5/24	78	49	64	-8	186	417	.00	82	69	76	.16	NA	NA	.20
5/25	83	54	69	-4	195	436	.00	84	71	78	.22	NA	NA	.22
5/26	87	62	75	2	210	461	.00	87	72	80	.20	NA	NA	.22
5/27	88	63	76	3	226	487	.00	89	75	82	.22	NA	NA	.22
5/28	88	64	76	3	242	513	.00	89	75	82	.14	NA	NA	.22
5/29	89	52	71	-3	253	534	.00	88	75	82	.37	NA	NA	.26
5/30	82	45	64	-10	257	548	.00	88	74	81	.29	NA	NA	.24
5/31	86	52	69	-5	266	567	Trace	89	69	79	.16	NA	NA	.25

AIR TEMPERATURES (in degrees F):
Mean Maximum= 81.9 Mean Minimum= 54.2 Average= 68.0
DFN= -.9 DFN= -3.7 DFN= -2.3
Highest= 92 Lowest= 41

PRECIPITATION STATISTICS (inches):
Total= 3.21 DFN= -1.07 Greatest Daily= .82 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 89 Lowest= 65 Average= 77

AVERAGE DAILY VALUES:
Pan Evaporation= .19 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .21 (in)

Daily Weather Observations: Piedmont Substation, Camp Hill

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
6/ 1	86	60	73	-1	13	23	Trace	88	73	81	.21	NA	NA	.22
6/ 2	83	66	75	0	28	48	Trace	85	77	81	.21	NA	NA	.18
6/ 3	90	67	79	4	47	77	Trace	90	76	83	.15	NA	NA	.22
6/ 4	84	65	75	0	62	102	Trace	82	78	80	.15	NA	NA	.19
6/ 5	85	55	70	-5	72	122	.00	90	76	83	.25	NA	NA	.23
6/ 6	88	55	72	-3	84	144	.00	93	74	84	.27	NA	NA	.25
6/ 7	93	57	75	-1	99	169	.00	91	78	85	.35	NA	NA	.28
6/ 8	96	67	82	6	121	201	.00	95	81	88	.30	NA	NA	.26
6/ 9	97	65	81	5	142	232	.83	95	81	88	.29	NA	NA	.28
6/10	95	66	81	5	163	263	.00	93	80	87	.33	NA	NA	.26
6/11	92	59	76	0	179	289	.00	94	80	87	.17	NA	NA	.26
6/12	89	57	73	-4	192	312	.00	94	79	87	.27	NA	NA	.25
6/13	91	59	75	-2	207	337	.00	93	79	86	.32	NA	NA	.26
6/14	92	58	75	-2	222	362	.00	92	80	86	.24	NA	NA	.27
6/15	93	62	78	1	240	390	.00	93	81	87	.18	NA	NA	.26
6/16	93	68	81	4	261	421	.04	92	79	86	.15	NA	NA	.24
6/17	94	69	82	5	283	453	.00	95	81	88	.33	NA	NA	.24
6/18	89	67	78	1	301	481	.00	92	82	87	.05	NA	NA	.22
6/19	96	67	82	4	323	513	.00	96	81	89	.28	NA	NA	.26
6/20	97	61	79	1	342	542	.00	97	81	89	.36	NA	NA	.29
6/21	98	61	80	2	362	572	.00	93	83	88	.36	NA	NA	.30
6/22	97	71	84	6	386	606	.00	95	84	90	.09	NA	NA	.26
6/23	94	65	80	2	406	636	.64	95	78	87	.30	NA	NA	.26
6/24	85	58	72	-6	418	658	.00	90	78	84	.26	NA	NA	.22
6/25	87	54	71	-7	429	679	.00	92	77	85	.27	NA	NA	.25
6/26	89	57	73	-5	442	702	.00	95	78	87	.31	NA	NA	.25
6/27	94	59	77	-1	459	729	.00	93	79	86	.24	NA	NA	.28
6/28	95	63	79	1	478	758	.03	94	79	87	.23	NA	NA	.27
6/29	97	64	81	3	499	789	.00	94	85	90	.15	NA	NA	.28
6/30	96	67	82	4	521	821	.00	95	84	90	.29	NA	NA	.26

AIR TEMPERATURES (in degrees F):
Mean Maximum= 91.8 Mean Minimum= 62.3 Average= 77.1
DFN= +3.0 DFN= -1.9 DFN= +.6
Highest= 98 Lowest= 54

PRECIPITATION STATISTICS (inches):
Total= 1.54 DFN= -2.24 Greatest Daily= .83 Rain Days= 4

SOIL TEMPERATURES (in degrees F):
Highest= 97 Lowest= 73 Average= 86

AVERAGE DAILY VALUES:
Pan Evaporation= .25 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .25 (in)

Daily Weather Observations: Piedmont Substation, Camp Hill

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
7/ 1	96	68	82	4	22	32	.00	95	83	89	.30	NA	NA	.26
7/ 2	97	69	83	4	45	65	.00	96	85	91	.36	NA	NA	.26
7/ 3	97	65	81	2	66	96	.10	81	NA	NA	.27	NA	NA	.28
7/ 4	93	62	78	-1	84	124	Trace	92	81	87	.23	NA	NA	.26
7/ 5	93	66	80	1	104	154	.00	95	81	88	.24	NA	NA	.25
7/ 6	92	71	82	3	126	186	.00	95	82	89	.28	NA	NA	.22
7/ 7	96	64	80	1	146	216	.00	97	86	92	.30	NA	NA	.27
7/ 8	103	71	87	8	173	253	.00	97	85	91	.33	NA	NA	.29
7/ 9	102	67	85	6	198	288	.20	99	84	92	.33	NA	NA	.30
7/10	93	68	81	2	219	319	.00	97	83	90	.24	NA	NA	.24
7/11	97	67	82	3	241	351	.00	98	82	90	.34	NA	NA	.27
7/12	95	64	80	1	261	381	.05	95	82	89	.18	NA	NA	.27
7/13	88	66	77	-2	278	408	.15	90	82	86	.13	NA	NA	.21
7/14	89	68	79	0	297	437	.02	92	81	87	.21	NA	NA	.21
7/15	88	62	75	-4	312	462	.00	91	80	86	.19	NA	NA	.23
7/16	86	61	74	-6	326	486	.00	92	80	86	.22	NA	NA	.22
7/17	90	62	76	-4	342	512	.00	91	81	86	.11	NA	NA	.24
7/18	86	68	77	-3	359	539	.00	89	81	85	.26	NA	NA	.19
7/19	91	68	80	0	379	569	.03	91	81	86	.24	NA	NA	.23
7/20	78	66	72	-8	391	591	.67	85	78	82	.07	NA	NA	.15
7/21	87	68	78	-2	409	619	.00	88	78	83	.16	NA	NA	.20
7/22	90	68	79	-1	428	648	Trace	90	80	85	.15	NA	NA	.22
7/23	90	68	79	-1	447	677	Trace	91	80	86	.19	NA	NA	.22
7/24	93	68	81	1	468	708	.06	94	80	87	.23	NA	NA	.24
7/25	90	63	77	-3	485	735	.27	92	79	86	.17	NA	NA	.23
7/26	92	64	78	-2	503	763	.00	95	79	87	.16	NA	NA	.24
7/27	92	65	79	-1	522	792	.00	94	82	88	.33	NA	NA	.24
7/28	94	63	79	-1	541	821	.00	95	81	88	.29	NA	NA	.26
7/29	94	63	79	0	560	850	.00	95	80	88	.26	NA	NA	.26
7/30	94	62	78	-1	578	878	.00	94	83	89	.24	NA	NA	.26
7/31	98	62	80	1	598	908	.00	95	83	89	.27	NA	NA	.29

AIR TEMPERATURES (in degrees F):
Mean Maximum= 92.4 Mean Minimum= 65.7 Average= 79.0
DFN= +1.8 DFN= -1.7 DFN= +.0
Highest= 103 Lowest= 61

PRECIPITATION STATISTICS (inches):
Total= 1.55 DFN= -3.88 Greatest Daily= .67 Rain Days= 9

SOIL TEMPERATURES (in degrees F):
Highest= 99 Lowest= 78 Average= 87

AVERAGE DAILY VALUES:
Pan Evaporation= .23 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .24 (in)

Daily Weather Observations: Piedmont Substation, Camp Hill

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
8/ 1	99	63	81	2	21	31	Trace	97	84	91	.31	NA	NA	.29
8/ 2	93	66	80	1	41	61	.01	94	84	89	.20	NA	NA	.24
8/ 3	92	63	78	-1	59	89	.03	92	82	87	.15	NA	NA	.24
8/ 4	95	65	80	1	79	119	.00	96	82	89	.24	NA	NA	.26
8/ 5	95	67	81	2	100	150	.00	96	84	90	.25	NA	NA	.25
8/ 6	97	64	81	2	121	181	.00	96	85	91	.34	NA	NA	.27
8/ 7	92	62	77	-2	138	208	.00	98	84	91	.28	NA	NA	.24
8/ 8	92	63	78	-1	156	236	.00	95	83	89	.30	NA	NA	.24
8/ 9	90	58	74	-5	170	260	.00	95	82	89	.24	NA	NA	.24
8/10	91	61	76	-3	186	286	.00	93	82	88	.20	NA	NA	.24
8/11	94	60	77	-2	203	313	.00	93	82	88	.27	NA	NA	.26
8/12	96	59	78	-1	221	341	.00	93	82	88	.24	NA	NA	.28
8/13	98	63	81	2	242	372	.00	94	83	89	.28	NA	NA	.28
8/14	95	65	80	1	262	402	.00	93	83	88	.24	NA	NA	.25
8/15	97	65	81	2	283	433	.00	94	83	89	.19	NA	NA	.26
8/16	97	66	82	4	305	465	.00	95	84	90	.24	NA	NA	.26
8/17	99	66	83	5	328	498	.00	96	84	90	.27	NA	NA	.27
8/18	100	67	84	6	352	532	.00	97	84	91	.26	NA	NA	.27
8/19	100	67	84	6	376	566	Trace	97	85	91	.24	NA	NA	.27
8/20	101	67	84	6	400	600	.00	97	85	91	.23	NA	NA	.28
8/21	100	68	84	6	424	634	Trace	96	83	90	.21	NA	NA	.27
8/22	99	69	84	6	448	668	Trace	98	85	92	.29	NA	NA	.26
8/23	86	66	76	-2	464	694	.96	90	81	86	.15	NA	NA	.19
8/24	91	65	78	0	482	722	.00	93	80	87	.18	NA	NA	.22
8/25	94	65	80	2	502	752	.00	95	80	88	.20	NA	NA	.24
8/26	95	63	79	1	521	781	.00	95	82	89	.22	NA	NA	.25
8/27	94	68	81	3	542	812	.10	94	68	81	.18	NA	NA	.23
8/28	96	68	82	4	564	844	.00	96	83	90	.23	NA	NA	.24
8/29	99	68	84	7	588	878	.00	96	84	90	.23	NA	NA	.26
8/30	101	70	86	9	614	914	.00	97	84	91	.32	NA	NA	.26
8/31	86	63	75	-2	629	939	.06	88	81	85	.06	NA	NA	.19

AIR TEMPERATURES (in degrees F):
Mean Maximum= 95.3 Mean Minimum= 64.8 Average= 80.1
DFN= +5.1 DFN= -1.5 DFN= +1.8
Highest= 101 Lowest= 58

PRECIPITATION STATISTICS (inches):
Total= 1.16 DFN= -2.58 Greatest Daily= .96 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 98 Lowest= 68 Average= 89

AVERAGE DAILY VALUES:
Pan Evaporation= .23 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .25 (in)

Daily Weather Observations: Piedmont Substation, Camp Hill

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
9/ 1	89	63	76	-1	16	26	.10	91	80	86	.27	NA	NA	.21
9/ 2	94	68	81	4	37	57	.00	94	82	88	.25	NA	NA	.22
9/ 3	96	66	81	4	58	88	.00	94	83	89	.23	NA	NA	.24
9/ 4	96	69	83	6	81	121	Trace	95	84	90	.20	NA	NA	.23
9/ 5	97	65	81	4	102	152	.00	95	84	90	.33	NA	NA	.25
9/ 6	96	64	80	4	122	182	.00	94	83	89	.14	NA	NA	.25
9/ 7	98	64	81	5	143	213	.00	94	83	89	.20	NA	NA	.26
9/ 8	99	68	84	8	167	247	.00	96	84	90	.27	NA	NA	.25
9/ 9	99	67	83	7	190	280	.00	95	85	90	.16	NA	NA	.25
9/10	99	66	83	7	213	313	.00	100	85	93	.32	NA	NA	.26
9/11	98	65	82	7	235	345	.00	98	85	92	.23	NA	NA	.25
9/12	94	65	80	5	255	375	.48	94	81	88	.12	NA	NA	.23
9/13	95	65	80	5	275	405	Trace	91	81	86	.23	NA	NA	.23
9/14	93	67	80	5	295	435	.02	92	80	86	.18	NA	NA	.21
9/15	93	69	81	7	316	466	.06	90	82	86	.09	NA	NA	.21
9/16	95	61	78	4	334	494	.00	94	81	88	.24	NA	NA	.24
9/17	91	52	72	-2	346	516	.00	92	79	86	.26	NA	NA	.25
9/18	92	56	74	0	360	540	.00	92	79	86	.25	NA	NA	.24
9/19	92	58	75	2	375	565	.00	92	79	86	.20	NA	NA	.23
9/20	92	62	77	4	392	592	.00	92	79	86	.11	NA	NA	.22
9/21	93	63	78	6	410	620	.00	91	82	87	.18	NA	NA	.22
9/22	94	65	80	8	430	650	.00	94	81	88	.23	NA	NA	.22
9/23	90	51	71	-1	441	671	Trace	90	79	85	.22	NA	NA	.24
9/24	75	37	56	-15	441	677	.00	90	75	83	.24	NA	NA	.19
9/25	76	37	57	-14	441	684	.00	86	73	80	NA	NA	NA	.19
9/26	81	39	60	-11	441	694	.00	83	72	78	.16	NA	NA	.22
9/27	87	41	64	-6	445	708	.00	88	74	81	.21	NA	NA	.25
9/28	91	49	70	0	455	728	.00	88	74	81	.23	NA	NA	.25
9/29	90	57	74	4	469	752	Trace	88	76	82	.20	NA	NA	.21
9/30	87	56	72	3	481	774	Trace	85	77	81	.19	NA	NA	.20

AIR TEMPERATURES (in degrees F):
Mean Maximum= 92.1 Mean Minimum= 59.2 Average= 75.6
DFN= +6.9 DFN= -2.6 DFN= +2.1
Highest= 99 Lowest= 37

PRECIPITATION STATISTICS (inches):
Total= .66 DFN= -3.51 Greatest Daily= .48 Rain Days= 4

SOIL TEMPERATURES (in degrees F):
Highest= 100 Lowest= 72 Average= 86

AVERAGE DAILY VALUES:
Pan Evaporation= .21 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .23 (in)

Daily Weather Observations: Piedmont Substation, Camp Hill

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
10/ 1	85	58	72	3	12	22	Trace	86	76	81	.07	NA	NA	.18
10/ 2	88	58	73	4	25	45	.00	87	77	82	.15	NA	NA	.20
10/ 3	89	59	74	6	39	69	.00	88	77	83	.22	NA	NA	.20
10/ 4	86	63	75	7	54	94	.00	87	77	82	.17	NA	NA	.17
10/ 5	75	51	63	-4	57	107	.91	92	73	83	.15	NA	NA	.13
10/ 6	84	49	67	0	64	124	.00	82	71	77	.14	NA	NA	.20
10/ 7	85	49	67	0	71	141	.00	85	71	78	.20	NA	NA	.20
10/ 8	89	57	73	7	84	164	.00	86	74	80	.12	NA	NA	.20
10/ 9	88	60	74	8	98	188	.00	88	77	83	.18	NA	NA	.18
10/10	89	59	74	9	112	212	.00	87	76	82	.14	NA	NA	.19
10/11	88	51	70	5	122	232	.00	83	74	79	.15	NA	NA	.21
10/12	79	51	65	1	127	247	.28	85	75	80	.14	NA	NA	.15
10/13	79	54	67	3	134	264	.00	81	72	77	.08	NA	NA	.14
10/14	76	46	61	-3	135	275	.00	80	69	75	.09	NA	NA	.15
10/15	81	43	62	-1	137	287	.00	82	69	76	.13	NA	NA	.19
10/16	86	43	65	2	142	302	.00	82	70	76	.08	NA	NA	.22
10/17	86	51	69	7	151	321	.00	81	70	76	.28	NA	NA	.19
10/18	82	54	68	6	159	339	.81	80	72	76	.10	NA	NA	.16
10/19	72	38	55	-7	159	344	.15	78	64	71	.16	NA	NA	.14
10/20	70	37	54	-7	159	348	.00	75	61	68	.16	NA	NA	.13
10/21	73	37	55	-6	159	353	.00	74	64	69	.05	NA	NA	.15
10/22	78	55	67	6	166	370	Trace	77	68	73	.10	NA	NA	.13
10/23	68	53	61	1	167	381	2.10	74	69	72	NA	NA	NA	.07
10/24	66	42	54	-6	167	385	.10	74	62	68	.20	NA	NA	.09
10/25	69	40	55	-5	167	390	.00	71	61	66	.03	NA	NA	.11
10/26	56	30	43	-16	167	390	.00	65	56	61	.13	NA	NA	.06
10/27	63	36	50	-9	167	390	.00	68	56	62	.07	NA	NA	.09
10/28	69	37	53	-6	167	393	.00	70	57	64	.12	NA	NA	.12
10/29	72	37	55	-4	167	398	.00	70	52	61	.10	NA	NA	.14
10/30	72	36	54	-4	167	402	.00	60	57	59	.10	NA	NA	.14
10/31	75	36	56	-2	167	408	.00	71	57	64	.12	NA	NA	.16

AIR TEMPERATURES (in degrees F):
Mean Maximum= 78.0 Mean Minimum= 47.4 Average= 62.7
DFN= +2.2 DFN= -2.7 DFN= -.2
Highest= 89 Lowest= 30

PRECIPITATION STATISTICS (inches):
Total= 4.35 DFN= +1.65 Greatest Daily= 2.10 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 92 Lowest= 52 Average= 73

AVERAGE DAILY VALUES:
Pan Evaporation= .13 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .15 (in)

Daily Weather Observations: Piedmont Substation, Camp Hill

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
11/ 1	79	37	58	0	0	8	.00	71	58	65	.08	NA	NA	.18
11/ 2	79	39	59	1	0	17	.00	71	58	65	.12	NA	NA	.17
11/ 3	79	40	60	3	0	27	.00	71	50	61	.09	NA	NA	.17
11/ 4	81	48	65	8	5	42	.00	72	61	67	.09	NA	NA	.16
11/ 5	81	50	66	9	11	58	.00	73	63	68	.08	NA	NA	.15
11/ 6	75	42	59	3	11	67	.31	69	59	64	.09	NA	NA	.14
11/ 7	69	37	53	-3	11	70	.00	68	55	62	.09	NA	NA	.11
11/ 8	75	39	57	1	11	77	.00	69	56	63	.07	NA	NA	.14
11/ 9	70	40	55	-1	11	82	Trace	71	56	64	.11	NA	NA	.11
11/10	56	46	51	-4	11	83	1.63	63	58	61	.02	NA	NA	.00
11/11	56	33	45	-10	11	83	.00	61	51	56	.06	NA	NA	.04
11/12	72	33	53	-2	11	86	.00	64	51	58	.10	NA	NA	.14
11/13	77	37	57	3	11	93	.00	66	53	60	.07	NA	NA	.16
11/14	76	41	59	5	11	102	.00	67	55	61	.10	NA	NA	.14
11/15	75	40	58	4	11	110	.00	62	57	60	.13	NA	NA	.14
11/16	76	41	59	6	11	119	.00	68	51	60	.06	NA	NA	.14
11/17	75	42	59	6	11	128	.03	68	59	64	.07	NA	NA	.13
11/18	66	32	49	-4	11	128	.00	66	55	61	.04	NA	NA	.10
11/19	67	31	49	-3	11	128	.00	65	53	59	.11	NA	NA	.11
11/20	70	31	51	-1	11	129	.00	65	53	59	.08	NA	NA	.13
11/21	76	40	58	6	11	137	.00	65	55	60	.04	NA	NA	.14
11/22	75	43	59	7	11	146	.00	66	57	62	.10	NA	NA	.12
11/23	75	44	60	8	11	156	.11	68	58	63	.02	NA	NA	.12
11/24	66	36	51	0	11	157	.05	64	54	59	.07	NA	NA	.09
11/25	72	35	54	3	11	161	.00	65	54	60	.06	NA	NA	.13
11/26	75	35	55	4	11	166	.00	66	54	60	.07	NA	NA	.15
11/27	71	51	61	10	12	177	.00	65	53	59	.03	NA	NA	.07
11/28	80	58	69	19	21	196	Trace	69	62	66	.11	NA	NA	.10
11/29	76	42	59	9	21	205	.05	63	60	62	.06	NA	NA	.13
11/30	55	26	41	-9	21	205	.00	65	51	58	.11	NA	NA	.05

AIR TEMPERATURES (in degrees F):
Mean Maximum= 72.5 Mean Minimum= 39.6 Average= 56.1
DFN= +6.9 DFN= -1.7 DFN= +2.6
Highest= 81 Lowest= 26

PRECIPITATION STATISTICS (inches):
Total= 2.18 DFN= -1.48 Greatest Daily= 1.63 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 73 Lowest= 50 Average= 61

AVERAGE DAILY VALUES:
Pan Evaporation= .08 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .12 (in)

Daily Weather Observations: Piedmont Substation, Camp Hill

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
12/ 1	61	27	44	-6	0	0	.00	62	51	57	.09	NA	NA	.08
12/ 2	68	37	53	3	0	3	.00	64	52	58	.04	NA	NA	.09
12/ 3	74	53	64	15	4	17	.01	65	60	63	.08	NA	NA	.08
12/ 4	64	32	48	-1	4	17	2.12	63	43	53	NA	NA	NA	.08
12/ 5	49	23	36	-13	4	17	.00	59	47	53	NA	NA	NA	.02
12/ 6	51	23	37	-12	4	17	.00	51	47	49	NA	NA	NA	.03
12/ 7	59	23	41	-8	4	17	.00	57	46	52	.10	NA	NA	.08
12/ 8	45	35	40	-9	4	17	.18	54	49	52	NA	NA	NA	.00
12/ 9	56	29	43	-5	4	17	.00	52	45	49	.05	NA	NA	.04
12/10	64	28	46	-2	4	17	.00	52	46	49	.05	NA	NA	.09
12/11	68	28	48	NA	4	17	.00	58	43	51	.07	NA	NA	.12
12/12	71	30	51	3	4	18	.00	59	48	54	.07	NA	NA	.13
12/13	66	36	51	4	4	19	.00	57	48	53	.05	NA	NA	.08
12/14	72	50	61	14	5	30	Trace	60	50	55	.07	NA	NA	.07
12/15	64	51	58	11	5	38	Trace	60	57	59	NA	NA	NA	.02
12/16	71	52	62	15	7	50	.00	58	52	55	.03	NA	NA	.06
12/17	70	56	63	16	10	63	.00	64	58	61	.05	NA	NA	.04
12/18	73	58	66	19	16	79	.00	66	59	63	.03	NA	NA	.05
12/19	75	45	60	14	16	89	.22	66	58	62	NA	NA	NA	.11
12/20	65	46	56	10	16	95	.23	65	57	61	.17	NA	NA	.04
12/21	57	47	52	6	16	97	.08	62	56	59	NA	NA	NA	.00
12/22	65	48	57	11	16	104	Trace	62	56	59	NA	NA	NA	.03
12/23	75	62	69	23	25	123	Trace	66	61	64	.05	NA	NA	.05
12/24	73	27	50	4	25	123	.36	68	54	61	NA	NA	NA	.15
12/25	38	21	30	-15	25	123	.00	51	45	48	NA	NA	NA	.00
12/26	40	21	31	-14	25	123	.00	50	45	48	NA	NA	NA	.00
12/27	48	35	42	-3	25	123	.01	52	47	50	NA	NA	NA	.00
12/28	43	38	41	-4	25	123	.07	51	49	50	.13	NA	NA	.00
12/29	63	42	53	8	25	126	.15	57	49	53	.02	NA	NA	.04
12/30	64	53	59	14	25	135	Trace	61	55	58	NA	NA	NA	.01
12/31	72	40	56	11	25	141	.50	65	58	62	.05	NA	NA	.11

AIR TEMPERATURES (in degrees F):
Mean Maximum= 62.1 Mean Minimum= 38.6 Average= 50.3
DFN= +4.0 DFN= +3.1 DFN= +3.5
Highest= 75 Lowest= 21

PRECIPITATION STATISTICS (inches):
Total= 3.93 DFN= -1.40 Greatest Daily= 2.12 Rain Days= 11

SOIL TEMPERATURES (in degrees F):
Highest= 68 Lowest= 43 Average= 55

AVERAGE DAILY VALUES:
Pan Evaporation= .07 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .06 (in)

Daily Weather Observations: Chilton Area Horticulture Substation, Clanton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
1/ 1	65	29	47	4	0	0	.30	55	46	51	NA	NA	NA	.10
1/ 2	48	28	38	-5	0	0	.00	50	45	48	.11	NA	NA	.00
1/ 3	49	30	40	-3	0	0	.00	47	44	46	.22	NA	NA	.00
1/ 4	60	30	45	2	0	0	.05	51	44	48	.05	NA	NA	.06
1/ 5	60	52	56	13	0	6	.48	54	51	53	NA	NA	NA	.00
1/ 6	60	49	55	12	0	11	1.06	55	55	55	.13	NA	NA	.00
1/ 7	55	44	50	7	0	11	.20	55	52	54	NA	NA	NA	.00
1/ 8	48	40	44	1	0	11	.28	54	52	53	NA	NA	NA	.00
1/ 9	51	35	43	0	0	11	.00	51	47	49	.07	NA	NA	.00
1/10	61	35	48	5	0	11	.00	53	47	50	NA	NA	NA	.05
1/11	63	38	51	8	0	12	.00	54	44	49	.14	NA	NA	.06
1/12	72	36	54	12	0	16	.00	54	46	50	.16	NA	NA	.12
1/13	50	24	37	-5	0	16	.00	49	42	46	NA	NA	NA	.02
1/14	48	24	36	-6	0	16	.00	49	41	45	NA	NA	NA	.01
1/15	55	26	41	-1	0	16	.00	49	41	45	NA	NA	NA	.05
1/16	65	34	50	7	0	16	.00	54	47	51	.20	NA	NA	.08
1/17	73	37	55	12	0	21	.00	56	46	51	.06	NA	NA	.13
1/18	74	52	63	20	3	34	1.12	63	52	58	.11	NA	NA	.09
1/19	64	50	57	14	3	41	.13	60	56	58	.01	NA	NA	.03
1/20	74	53	64	21	7	55	.00	62	55	59	.10	NA	NA	.08
1/21	69	44	57	14	7	62	3.19	59	56	58	NA	NA	NA	.08
1/22	58	30	44	1	7	62	.00	58	49	54	.09	NA	NA	.06
1/23	62	31	47	4	7	62	.00	57	48	53	.10	NA	NA	.08
1/24	65	32	49	6	7	62	.12	55	48	52	.08	NA	NA	.10
1/25	58	48	53	10	7	65	3.18	55	50	53	NA	NA	NA	.00
1/26	57	25	41	-2	7	65	.03	55	45	50	NA	NA	NA	.07
1/27	52	25	39	-4	7	65	.00	54	43	49	.10	NA	NA	.04
1/28	57	28	43	-1	7	65	.00	54	43	49	.09	NA	NA	.06
1/29	64	33	49	5	7	65	.21	54	50	52	.12	NA	NA	.09
1/30	66	25	46	2	7	65	.51	55	44	50	NA	NA	NA	.13
1/31	52	27	40	-4	7	65	.00	50	44	47	.03	NA	NA	.03

AIR TEMPERATURES (in degrees F):
Mean Maximum= 59.8 Mean Minimum= 35.3 Average= 47.6
DFN= +5.8 DFN= +3.9 DFN= +4.9
Highest= 74 Lowest= 24

PRECIPITATION STATISTICS (inches):
Total= 10.86 DFN= +5.46 Greatest Daily= 3.19 Rain Days= 14

SOIL TEMPERATURES (in degrees F):
Highest= 63 Lowest= 41 Average= 51

AVERAGE DAILY VALUES:
Pan Evaporation= .10 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .05 (in)

Daily Weather Observations: Chilton Area Horticulture Substation, Clanton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
2/ 1	66	29	48	4	0	0	.00	55	43	49	.05	NA	NA	.12
2/ 2	64	44	54	10	0	4	.04	56	44	50	.07	NA	NA	.06
2/ 3	78	66	72	28	12	26	.00	NA	NA	NA	NA	NA	NA	.08
2/ 4	80	54	67	23	19	43	1.50	NA	NA	NA	NA	NA	NA	.13
2/ 5	67	36	52	8	19	45	.00	NA	NA	NA	NA	NA	NA	.10
2/ 6	62	34	48	4	19	45	.00	56	46	51	NA	NA	NA	.08
2/ 7	62	38	50	6	19	45	.36	54	47	51	NA	NA	NA	.07
2/ 8	66	40	53	8	19	48	.00	59	53	56	.10	NA	NA	.09
2/ 9	65	41	53	8	19	51	.04	57	51	54	.04	NA	NA	.08
2/10	64	49	57	12	19	58	1.44	61	56	59	NA	NA	NA	.05
2/11	67	36	52	7	19	60	.00	60	33	47	.11	NA	NA	.11
2/12	65	35	50	5	19	60	.00	59	50	55	.13	NA	NA	.10
2/13	73	37	55	9	19	65	.00	61	50	56	.10	NA	NA	.14
2/14	73	44	59	13	19	74	.00	60	51	56	.23	NA	NA	.12
2/15	75	53	64	18	23	88	.25	63	56	60	.16	NA	NA	.11
2/16	70	57	64	18	27	102	3.30	64	60	62	NA	NA	NA	.06
2/17	68	38	53	7	27	105	.95	67	58	63	NA	NA	NA	.11
2/18	59	38	49	2	27	105	.00	64	56	60	NA	NA	NA	.06
2/19	53	43	48	1	27	105	.30	63	53	58	NA	NA	NA	.00
2/20	55	39	47	0	27	105	.00	55	49	52	.05	NA	NA	.03
2/21	67	39	53	6	27	108	.00	61	49	55	.15	NA	NA	.11
2/22	64	42	53	5	27	111	.50	57	50	54	.12	NA	NA	.08
2/23	70	48	59	11	27	120	.06	61	57	59	.10	NA	NA	.10
2/24	55	32	44	-4	27	120	.00	55	48	52	.06	NA	NA	.06
2/25	64	26	45	-3	27	120	.00	50	44	47	.07	NA	NA	.13
2/26	46	27	37	-12	27	120	.00	55	45	50	.07	NA	NA	.02
2/27	62	27	45	-4	27	120	.00	57	44	51	.08	NA	NA	.12
2/28	70	36	53	4	27	123	.00	61	47	54	NA	NA	NA	.14

AIR TEMPERATURES (in degrees F):
Mean Maximum= 65.4 Mean Minimum= 40.3 Average= 52.8
DFN= +7.4 DFN= +6.7 DFN= +7.0
Highest= 80 Lowest= 26

PRECIPITATION STATISTICS (inches):
Total= 8.74 DFN= +3.61 Greatest Daily= 3.30 Rain Days= 11

SOIL TEMPERATURES (in degrees F):
Highest= 67 Lowest= 33 Average= 54

AVERAGE DAILY VALUES:
Pan Evaporation= .10 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .09 (in)

Daily Weather Observations: Chilton Area Horticulture Substation, Clanton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
3/ 1	72	44	58	9	0	8	.00	62	51	57	.09	NA	NA	.13
3/ 2	70	47	59	9	0	17	.13	56	52	54	.17	NA	NA	.11
3/ 3	62	42	52	2	0	19	.33	58	50	54	.09	NA	NA	.07
3/ 4	64	38	51	1	0	20	.00	60	51	56	.14	NA	NA	.10
3/ 5	65	35	50	0	0	20	.00	62	50	56	.15	NA	NA	.12
3/ 6	70	35	53	2	0	23	.00	63	50	57	.12	NA	NA	.15
3/ 7	75	39	57	6	0	30	.00	65	51	58	.18	NA	NA	.17
3/ 8	75	39	57	6	0	37	.00	62	55	59	NA	NA	NA	.17
3/ 9	56	44	50	-1	0	37	.01	58	56	57	.16	NA	NA	.03
3/10	73	50	62	10	2	49	.00	64	56	60	.13	NA	NA	.12
3/11	78	54	66	14	8	65	.00	68	57	63	.13	NA	NA	.14
3/12	82	52	67	15	15	82	.00	70	60	65	.15	NA	NA	.18
3/13	82	50	66	13	21	98	.00	69	60	65	NA	NA	NA	.18
3/14	82	53	68	15	29	116	.00	70	61	66	.26	NA	NA	.18
3/15	80	53	67	14	36	133	.00	70	60	65	.24	NA	NA	.16
3/16	73	58	66	13	42	149	7.26	65	63	64	NA	NA	NA	.10
3/17	63	41	52	-2	42	151	1.90	63	58	61	NA	NA	NA	.10
3/18	65	39	52	-2	42	153	.00	65	56	61	NA	NA	NA	.12
3/19	69	43	56	2	42	159	.00	67	57	62	NA	NA	NA	.13
3/20	68	28	48	-7	42	159	.00	67	49	58	.25	NA	NA	.17
3/21	54	28	41	-14	42	159	.00	61	48	55	.21	NA	NA	.08
3/22	69	36	53	-2	42	162	.00	65	48	57	.12	NA	NA	.15
3/23	72	38	55	-1	42	167	.00	65	55	60	.16	NA	NA	.17
3/24	78	47	63	7	45	180	.00	70	59	65	.18	NA	NA	.18
3/25	78	48	63	7	48	193	.00	71	56	64	.19	NA	NA	.17
3/26	73	44	59	2	48	202	.00	71	55	63	.14	NA	NA	.16
3/27	54	36	45	-12	48	202	.00	60	54	57	.14	NA	NA	.06
3/28	68	37	53	-4	48	205	.00	67	53	60	.15	NA	NA	.15
3/29	68	47	58	0	48	213	.29	68	53	61	.16	NA	NA	.12
3/30	60	50	55	-3	48	218	.37	61	59	60	.01	NA	NA	.06
3/31	66	52	59	1	48	227	.36	63	58	61	.06	NA	NA	.09

AIR TEMPERATURES (in degrees F):
Mean Maximum= 69.8 Mean Minimum= 43.5 Average= 56.6
DFN= +4.2 DFN= +2.5 DFN= +3.4
Highest= 82 Lowest= 28

PRECIPITATION STATISTICS (inches):
Total= 10.65 DFN= +3.30 Greatest Daily= 7.26 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 71 Lowest= 48 Average= 60

AVERAGE DAILY VALUES:
Pan Evaporation= .15 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .13 (in)

Daily Weather Observations: Chilton Area Horticulture Substation, Clanton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
4/ 1	79	56	68	9	8	18	.00	73	62	68	.17	NA	NA	.16
4/ 2	76	50	63	4	11	31	.69	72	61	67	.14	NA	NA	.16
4/ 3	74	38	56	-3	11	37	.00	70	56	63	.18	NA	NA	.19
4/ 4	58	38	48	-11	11	37	.00	67	55	61	.17	NA	NA	.09
4/ 5	67	38	53	-7	11	40	.00	67	54	61	.16	NA	NA	.15
4/ 6	80	48	64	4	15	54	.00	71	56	64	.22	NA	NA	.20
4/ 7	63	32	48	-12	15	54	.13	65	51	58	.15	NA	NA	.14
4/ 8	58	32	45	-15	15	54	.00	66	51	59	.12	NA	NA	.11
4/ 9	70	33	52	-9	15	56	.00	68	51	60	.15	NA	NA	.18
4/10	76	39	58	-3	15	64	.00	71	54	63	.16	NA	NA	.20
4/11	78	50	64	3	19	78	.40	68	60	64	.15	NA	NA	.18
4/12	62	38	50	-12	19	78	.00	69	56	63	.21	NA	NA	.12
4/13	63	37	50	-12	19	78	.00	70	52	61	.16	NA	NA	.13
4/14	68	38	53	-9	19	81	.00	70	55	63	.19	NA	NA	.16
4/15	74	48	61	-1	20	92	.77	71	56	64	.15	NA	NA	.16
4/16	70	48	59	-4	20	101	.00	70	60	65	.11	NA	NA	.14
4/17	75	48	62	-1	22	113	.00	80	48	64	.17	NA	NA	.17
4/18	82	43	63	0	25	126	.02	76	62	69	.30	NA	NA	.23
4/19	74	43	59	-5	25	135	.00	75	61	68	.18	NA	NA	.18
4/20	70	53	62	-2	27	147	.00	71	61	66	.17	NA	NA	.13
4/21	78	57	68	4	35	165	.00	76	63	70	.15	NA	NA	.16
4/22	82	55	69	5	44	184	.05	80	65	73	.20	NA	NA	.20
4/23	82	55	69	4	53	203	.00	80	65	73	.13	NA	NA	.20
4/24	85	56	71	6	64	224	.00	80	67	74	.21	NA	NA	.21
4/25	84	51	68	3	72	242	.00	83	68	76	.20	NA	NA	.22
4/26	83	55	69	4	81	261	.00	83	69	76	.24	NA	NA	.21
4/27	84	54	69	3	90	280	.00	83	69	76	.24	NA	NA	.22
4/28	81	54	68	2	98	298	.12	83	69	76	.22	NA	NA	.20
4/29	75	48	62	-4	100	310	.00	76	67	72	.18	NA	NA	.18
4/30	86	50	68	2	108	328	.00	86	67	77	.22	NA	NA	.24

AIR TEMPERATURES (in degrees F):
Mean Maximum= 74.6 Mean Minimum= 46.2 Average= 60.4
DFN= -.8 DFN= -3.3 DFN= -2.1
Highest= 86 Lowest= 32

PRECIPITATION STATISTICS (inches):
Total= 2.18 DFN= -3.89 Greatest Daily= .77 Rain Days= 7

SOIL TEMPERATURES (in degrees F):
Highest= 86 Lowest= 48 Average= 67

AVERAGE DAILY VALUES:
Pan Evaporation= .18 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .17 (in)

Daily Weather Observations: Chilton Area Horticulture Substation, Clanton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
5/ 1	88	66	77	10	17	27	.00	87	71	79	.20	NA	NA	.20
5/ 2	87	62	75	8	32	52	.00	87	74	81	.20	NA	NA	.21
5/ 3	86	62	74	7	46	76	.00	86	71	79	.20	NA	NA	.21
5/ 4	91	63	77	10	63	103	.00	88	73	81	.25	NA	NA	.23
5/ 5	80	66	73	5	76	126	.06	81	73	77	.20	NA	NA	.16
5/ 6	73	45	59	-9	76	135	.00	77	66	72	.12	NA	NA	.18
5/ 7	73	45	59	-9	76	144	.00	78	66	72	.12	NA	NA	.18
5/ 8	79	46	63	-5	79	157	.00	85	65	75	.28	NA	NA	.21
5/ 9	78	51	65	-4	84	172	.23	79	70	75	.27	NA	NA	.19
5/10	72	56	64	-5	88	186	1.06	72	69	71	.03	NA	NA	.14
5/11	71	45	58	-11	88	194	.00	77	64	71	.31	NA	NA	.17
5/12	73	45	59	-10	88	203	.00	72	64	68	.15	NA	NA	.18
5/13	80	53	67	-3	95	220	1.23	73	65	69	.18	NA	NA	.20
5/14	75	56	66	-4	101	236	.00	74	65	70	.10	NA	NA	.16
5/15	85	58	72	2	113	258	.00	82	67	75	.17	NA	NA	.22
5/16	87	62	75	5	128	283	.00	84	75	80	.16	NA	NA	.22
5/17	86	65	76	6	144	309	.00	84	72	78	NA	NA	NA	.20
5/18	82	51	67	-4	151	326	.30	85	70	78	.25	NA	NA	.22
5/19	81	52	67	-4	158	343	.00	83	68	76	.20	NA	NA	.21
5/20	84	58	71	0	169	364	.00	83	70	77	.23	NA	NA	.21
5/21	82	63	73	2	182	387	.75	80	72	76	.17	NA	NA	.18
5/22	75	59	67	-5	189	404	.70	75	70	73	.15	NA	NA	.15
5/23	72	59	66	-6	195	420	.00	79	69	74	.21	NA	NA	.13
5/24	76	54	65	-7	200	435	.00	78	69	74	.13	NA	NA	.17
5/25	82	54	68	-4	208	453	.00	84	68	76	.27	NA	NA	.21
5/26	87	61	74	2	222	477	.00	86	70	78	.25	NA	NA	.22
5/27	87	69	78	5	240	505	.00	86	73	80	.19	NA	NA	.20
5/28	83	67	75	2	255	530	.04	85	73	79	.18	NA	NA	.18
5/29	81	53	67	-6	262	547	.00	82	71	77	.26	NA	NA	.21
5/30	81	53	67	-6	269	564	.00	85	71	78	.26	NA	NA	.21
5/31	84	56	70	-4	279	584	.11	87	71	79	.23	NA	NA	.22

AIR TEMPERATURES (in degrees F):
Mean Maximum= 80.7 Mean Minimum= 56.6 Average= 68.6
DFN= -1.6 DFN= -.8 DFN= -1.2
Highest= 91 Lowest= 45

PRECIPITATION STATISTICS (inches):
Total= 4.48 DFN= +.31 Greatest Daily= 1.23 Rain Days= 9

SOIL TEMPERATURES (in degrees F):
Highest= 88 Lowest= 64 Average= 75

AVERAGE DAILY VALUES:
Pan Evaporation= .20 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .19 (in)

Daily Weather Observations: Chilton Area Horticulture Substation, Clanton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
6/ 1	84	60	72	-2	12	22	.00	83	74	79	.11	NA	NA	.21
6/ 2	78	67	73	-1	25	45	.00	84	75	80	NA	NA	NA	.15
6/ 3	89	65	77	3	42	72	.00	87	75	81	NA	NA	NA	.22
6/ 4	78	65	72	-3	54	94	.00	85	75	80	NA	NA	NA	.16
6/ 5	86	57	72	-3	66	116	.00	87	74	81	.30	NA	NA	.23
6/ 6	88	57	73	-2	79	139	.00	92	73	83	.27	NA	NA	.24
6/ 7	92	60	76	1	95	165	.00	91	75	83	.25	NA	NA	.26
6/ 8	92	68	80	5	115	195	.00	92	79	86	.28	NA	NA	.23
6/ 9	93	69	81	5	136	226	.00	94	80	87	.28	NA	NA	.24
6/10	94	69	82	6	158	258	.00	95	80	88	.28	NA	NA	.24
6/11	92	64	78	2	176	286	.00	93	81	87	.28	NA	NA	.25
6/12	90	57	74	-2	190	310	.00	95	78	87	.38	NA	NA	.26
6/13	91	58	75	-1	205	335	.00	95	78	87	.32	NA	NA	.26
6/14	90	64	77	0	222	362	.00	92	79	86	.22	NA	NA	.24
6/15	92	66	79	2	241	391	.00	94	79	87	.26	NA	NA	.24
6/16	93	68	81	4	262	422	.09	94	80	87	.13	NA	NA	.24
6/17	94	68	81	4	283	453	.00	94	80	87	.16	NA	NA	.25
6/18	90	70	80	3	303	483	.00	94	80	87	.20	NA	NA	.22
6/19	95	71	83	6	326	516	.00	96	80	88	.29	NA	NA	.24
6/20	98	62	80	2	346	546	.00	98	81	90	.34	NA	NA	.29
6/21	98	68	83	5	369	579	.00	99	85	92	.28	NA	NA	.27
6/22	97	71	84	6	393	613	.17	97	83	90	.31	NA	NA	.26
6/23	97	65	81	3	414	644	.26	95	80	88	.22	NA	NA	.28
6/24	85	60	73	-5	427	667	.00	92	79	86	.30	NA	NA	.22
6/25	88	60	74	-4	441	691	.00	94	79	87	.30	NA	NA	.24
6/26	89	62	76	-3	457	717	.00	94	79	87	.27	NA	NA	.24
6/27	93	62	78	-1	475	745	.00	97	80	89	.31	NA	NA	.26
6/28	97	64	81	2	496	776	.00	99	82	91	.33	NA	NA	.28
6/29	97	67	82	3	518	808	.00	97	82	90	.25	NA	NA	.27
6/30	94	68	81	2	539	839	.00	98	82	90	.30	NA	NA	.25

AIR TEMPERATURES (in degrees F):
Mean Maximum= 91.1 Mean Minimum= 64.4 Average= 77.8
DFN= +2.6 DFN= -.2 DFN= +1.2
Highest= 98 Lowest= 57

PRECIPITATION STATISTICS (inches):
Total= .52 DFN= -3.19 Greatest Daily= .26 Rain Days= 3

SOIL TEMPERATURES (in degrees F):
Highest= 99 Lowest= 73 Average= 86

AVERAGE DAILY VALUES:
Pan Evaporation= .27 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .24 (in)

Daily Weather Observations: Chilton Area Horticulture Substation, Clanton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
7/ 1	95	67	81	2	21	31	.00	98	83	91	.31	NA	NA	.26
7/ 2	96	68	82	3	43	63	.00	99	84	92	.32	NA	NA	.26
7/ 3	99	67	83	4	66	96	.00	83	NA	NA	.29	NA	NA	.28
7/ 4	93	67	80	1	86	126	.00	99	83	91	.28	NA	NA	.24
7/ 5	92	66	79	0	105	155	.00	98	84	91	.25	NA	NA	.24
7/ 6	94	70	82	3	127	187	.00	98	84	91	.43	NA	NA	.24
7/ 7	93	76	85	6	152	222	Trace	98	83	91	.30	NA	NA	.22
7/ 8	101	73	87	8	179	259	.00	98	83	91	.16	NA	NA	.28
7/ 9	100	69	85	6	204	294	.12	98	83	91	.13	NA	NA	.28
7/10	93	69	81	1	225	325	.00	95	82	89	.34	NA	NA	.24
7/11	98	68	83	3	248	358	.08	100	82	91	.31	NA	NA	.27
7/12	93	68	81	1	269	389	.08	90	81	86	.18	NA	NA	.24
7/13	88	68	78	-2	287	417	.93	89	80	85	NA	NA	NA	.21
7/14	82	66	74	-6	301	441	.63	84	78	81	.08	NA	NA	.18
7/15	79	62	71	-9	312	462	.00	83	77	80	.13	NA	NA	.17
7/16	85	62	74	-6	326	486	.00	85	77	81	.14	NA	NA	.21
7/17	88	63	76	-4	342	512	.00	87	75	81	.17	NA	NA	.22
7/18	79	67	73	-7	355	535	.15	82	78	80	.24	NA	NA	.15
7/19	88	67	78	-2	373	563	.28	86	78	82	.11	NA	NA	.21
7/20	82	67	75	-5	388	588	.66	84	78	81	.07	NA	NA	.17
7/21	86	69	78	-2	406	616	.00	86	72	79	.15	NA	NA	.19
7/22	88	70	79	-1	425	645	.08	88	72	80	.15	NA	NA	.20
7/23	90	70	80	0	445	675	.00	90	75	83	.17	NA	NA	.21
7/24	91	69	80	0	465	705	.12	90	80	85	.12	NA	NA	.22
7/25	90	67	79	-1	484	734	.00	91	79	85	.26	NA	NA	.22
7/26	91	66	79	-1	503	763	.00	93	79	86	.29	NA	NA	.23
7/27	92	66	79	-1	522	792	.00	92	78	85	.25	NA	NA	.24
7/28	92	70	81	1	543	823	.00	93	81	87	.24	NA	NA	.22
7/29	93	66	80	0	563	853	.00	93	81	87	.24	NA	NA	.24
7/30	93	66	80	0	583	883	.00	93	81	87	.25	NA	NA	.24
7/31	95	68	82	2	605	915	.00	96	82	89	.31	NA	NA	.25

AIR TEMPERATURES (in degrees F):
Mean Maximum= 90.9 Mean Minimum= 67.6 Average= 79.3
DFN= +.2 DFN= -.6 DFN= -.2
Highest= 101 Lowest= 62

PRECIPITATION STATISTICS (inches):
Total= 3.13 DFN= -1.99 Greatest Daily= .93 Rain Days= 10

SOIL TEMPERATURES (in degrees F):
Highest= 100 Lowest= 72 Average= 86

AVERAGE DAILY VALUES:
Pan Evaporation= .22 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .23 (in)

Daily Weather Observations: Chilton Area Horticulture Substation, Clanton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
8/ 1	96	69	83	3	23	33	.00	96	84	90	.25	NA	NA	.25
8/ 2	92	67	80	0	43	63	.00	95	84	90	.28	NA	NA	.23
8/ 3	92	65	79	-1	62	92	.03	91	81	86	.19	NA	NA	.24
8/ 4	92	69	81	1	83	123	.00	92	81	87	.29	NA	NA	.22
8/ 5	95	69	82	2	105	155	.00	95	83	89	.29	NA	NA	.24
8/ 6	95	65	80	0	125	185	.63	95	80	88	.28	NA	NA	.25
8/ 7	92	65	79	-1	144	214	.00	92	79	86	.29	NA	NA	.23
8/ 8	90	61	76	-4	160	240	.00	92	79	86	.29	NA	NA	.23
8/ 9	87	57	72	-8	172	262	.00	91	78	85	.29	NA	NA	.23
8/10	90	56	73	-7	185	285	.00	94	79	87	.28	NA	NA	.25
8/11	90	61	76	-4	201	311	.00	94	78	86	.25	NA	NA	.23
8/12	96	65	81	1	222	342	.00	94	79	87	.25	NA	NA	.26
8/13	95	66	81	1	243	373	.00	94	79	87	.25	NA	NA	.25
8/14	95	65	80	1	263	403	.00	96	82	89	.24	NA	NA	.25
8/15	95	66	81	2	284	434	.00	96	82	89	.32	NA	NA	.25
8/16	96	67	82	3	306	466	.00	95	82	89	.20	NA	NA	.25
8/17	100	67	84	5	330	500	.00	98	82	90	.29	NA	NA	.27
8/18	98	69	84	5	354	534	.00	98	83	91	.27	NA	NA	.25
8/19	99	72	86	7	380	570	.00	98	83	91	.27	NA	NA	.25
8/20	102	70	86	7	406	606	.11	98	83	91	.17	NA	NA	.28
8/21	99	68	84	5	430	640	.07	96	81	89	NA	NA	NA	.26
8/22	97	70	84	5	454	674	.00	95	81	88	.28	NA	NA	.24
8/23	98	67	83	4	477	707	.00	98	84	91	.35	NA	NA	.26
8/24	95	67	81	2	498	738	.00	95	84	90	.26	NA	NA	.24
8/25	96	67	82	4	520	770	.00	97	83	90	.27	NA	NA	.24
8/26	98	70	84	6	544	804	.00	99	85	92	.27	NA	NA	.25
8/27	97	72	85	7	569	839	.00	98	84	91	.28	NA	NA	.23
8/28	98	70	84	6	593	873	.00	96	85	91	.21	NA	NA	.25
8/29	99	70	85	7	618	908	.00	98	86	92	.18	NA	NA	.25
8/30	100	71	86	8	644	944	.00	96	86	91	.41	NA	NA	.25
8/31	84	62	73	-5	657	967	.09	87	79	83	.23	NA	NA	.18

AIR TEMPERATURES (in degrees F):
Mean Maximum= 95.1 Mean Minimum= 66.6 Average= 80.9
DFN= +4.7 DFN= -.6 DFN= +2.1
Highest= 102 Lowest= 56

PRECIPITATION STATISTICS (inches):
Total= .93 DFN= -3.16 Greatest Daily= .63 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 99 Lowest= 78 Average= 89

AVERAGE DAILY VALUES:
Pan Evaporation= .27 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .24 (in)

Daily Weather Observations: Chilton Area Horticulture Substation, Clanton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
9/ 1	91	64	78	0	18	28	.08	88	79	84	.18	NA	NA	.22
9/ 2	91	64	78	0	36	56	.00	89	80	85	.23	NA	NA	.22
9/ 3	97	68	83	6	59	89	.02	94	80	87	.20	NA	NA	.24
9/ 4	98	70	84	7	83	123	.00	94	84	89	.20	NA	NA	.24
9/ 5	97	68	83	6	106	156	.00	95	84	90	.26	NA	NA	.24
9/ 6	95	68	82	5	128	188	.00	94	84	89	.29	NA	NA	.23
9/ 7	98	67	83	6	151	221	.00	96	83	90	.22	NA	NA	.25
9/ 8	97	66	82	5	173	253	.00	96	84	90	.27	NA	NA	.25
9/ 9	96	66	81	5	194	284	.00	96	84	90	.27	NA	NA	.24
9/10	97	66	82	6	216	316	.00	96	85	91	.27	NA	NA	.24
9/11	98	66	82	6	238	348	.00	97	84	91	.34	NA	NA	.25
9/12	93	66	80	4	258	378	.13	93	81	87	.30	NA	NA	.22
9/13	93	65	79	4	277	407	.00	92	81	87	.08	NA	NA	.22
9/14	93	65	79	4	296	436	.05	90	81	86	.12	NA	NA	.22
9/15	88	64	76	1	312	462	.00	90	80	85	.24	NA	NA	.19
9/16	94	64	79	5	331	491	.00	92	80	86	.24	NA	NA	.23
9/17	93	57	75	1	346	516	.00	94	80	87	.24	NA	NA	.24
9/18	90	54	72	-2	358	538	.00	94	78	86	.27	NA	NA	.23
9/19	92	53	73	0	371	561	.00	93	79	86	.28	NA	NA	.25
9/20	92	61	77	4	388	588	.00	92	80	86	.26	NA	NA	.22
9/21	95	66	81	9	409	619	.00	96	81	89	.17	NA	NA	.22
9/22	90	66	78	6	427	647	.00	92	82	87	.29	NA	NA	.19
9/23	90	53	72	0	439	669	.00	90	79	85	.31	NA	NA	.23
9/24	77	42	60	-12	439	679	.00	90	74	82	.18	NA	NA	.18
9/25	77	42	60	-11	439	689	.00	88	72	80	.26	NA	NA	.18
9/26	82	43	63	-8	442	702	.00	89	72	81	.18	NA	NA	.21
9/27	88	45	67	-4	449	719	.00	NA	NA	NA	NA	NA	NA	.24
9/28	92	45	69	-1	458	738	.00	NA	NA	NA	.27	NA	NA	.27
9/29	92	62	77	7	475	765	.00	90	74	82	.20	NA	NA	.21
9/30	86	60	73	4	488	788	.00	89	74	82	.17	NA	NA	.18

AIR TEMPERATURES (in degrees F):
Mean Maximum= 91.7 Mean Minimum= 60.2 Average= 76.0
DFN= +6.0 DFN= -1.8 DFN= +2.1
Highest= 98 Lowest= 42

PRECIPITATION STATISTICS (inches):
Total= .28 DFN= -4.28 Greatest Daily= .13 Rain Days= 4

SOIL TEMPERATURES (in degrees F):
Highest= 97 Lowest= 72 Average= 86

AVERAGE DAILY VALUES:
Pan Evaporation= .23 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .22 (in)

Daily Weather Observations: Chilton Area Horticulture Substation, Clanton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
10/ 1	88	60	74	6	14	24	.00	89	76	83	.22	NA	NA	.19
10/ 2	92	60	76	8	30	50	.00	88	78	83	.20	NA	NA	.21
10/ 3	91	61	76	8	46	76	.00	89	77	83	.17	NA	NA	.20
10/ 4	90	66	78	11	64	104	.00	89	81	85	.21	NA	NA	.18
10/ 5	78	57	68	1	72	122	.35	83	72	78	.14	NA	NA	.13
10/ 6	89	55	72	5	84	144	.00	96	71	84	.17	NA	NA	.21
10/ 7	86	55	71	5	95	165	.02	94	72	83	.15	NA	NA	.19
10/ 8	92	65	79	13	114	194	.00	96	75	86	.17	NA	NA	.19
10/ 9	92	55	74	9	128	218	.00	80	76	78	.16	NA	NA	.22
10/10	92	55	74	9	142	242	.00	87	77	82	.19	NA	NA	.22
10/11	69	56	63	-1	145	255	.00	79	73	76	.18	NA	NA	.07
10/12	81	52	67	3	152	272	.00	84	71	78	.16	NA	NA	.16
10/13	83	55	69	6	161	291	.00	86	74	80	.15	NA	NA	.16
10/14	74	44	59	-4	161	300	.00	84	72	78	.13	NA	NA	.14
10/15	81	46	64	2	165	314	.00	85	70	78	.15	NA	NA	.18
10/16	88	50	69	7	174	333	.00	84	69	77	.14	NA	NA	.21
10/17	89	55	72	10	186	355	.00	86	70	78	.11	NA	NA	.20
10/18	83	60	72	11	198	377	1.58	80	72	76	.24	NA	NA	.14
10/19	72	43	58	-3	198	385	.00	77	64	71	.17	NA	NA	.13
10/20	72	43	58	-3	198	393	.00	75	70	73	.15	NA	NA	.13
10/21	75	43	59	-1	198	402	.00	75	72	74	.15	NA	NA	.15
10/22	74	58	66	6	204	418	.11	75	73	74	.07	NA	NA	.09
10/23	77	53	65	5	209	433	1.20	71	66	69	.07	NA	NA	.12
10/24	67	45	56	-3	209	439	.00	72	61	67	.05	NA	NA	.09
10/25	69	45	57	-2	209	446	.00	71	61	66	.14	NA	NA	.10
10/26	60	37	49	-10	209	446	.00	66	55	61	.27	NA	NA	.07
10/27	64	37	51	-7	209	447	.00	66	55	61	.10	NA	NA	.09
10/28	71	41	56	-2	209	453	.00	69	55	62	.13	NA	NA	.12
10/29	75	43	59	2	209	462	.00	77	56	67	.13	NA	NA	.14
10/30	72	38	55	-2	209	467	.00	67	55	61	.12	NA	NA	.13
10/31	74	38	56	-1	209	473	.00	68	55	62	.08	NA	NA	.15

AIR TEMPERATURES (in degrees F):
Mean Maximum= 79.4 Mean Minimum= 50.7 Average= 65.0
DFN= +3.3 DFN= +2.4 DFN= +2.8
Highest= 92 Lowest= 37

PRECIPITATION STATISTICS (inches):
Total= 3.26 DFN= +.47 Greatest Daily= 1.58 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 96 Lowest= 55 Average= 74

AVERAGE DAILY VALUES:
Pan Evaporation= .15 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .15 (in)

Daily Weather Observations: Chilton Area Horticulture Substation, Clanton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
11/ 1	77	41	59	3	0	9	.00	69	56	63	.09	NA	NA	.16
11/ 2	79	42	61	5	1	20	.00	70	57	64	.17	NA	NA	.16
11/ 3	80	54	67	11	8	37	.00	73	58	66	.12	NA	NA	.13
11/ 4	78	50	64	9	12	51	.00	72	57	65	.11	NA	NA	.13
11/ 5	80	54	67	12	19	68	.00	73	58	66	.12	NA	NA	.13
11/ 6	69	43	56	1	19	74	.46	66	59	63	.16	NA	NA	.09
11/ 7	66	40	53	-2	19	77	.00	67	57	62	.09	NA	NA	.08
11/ 8	70	40	55	1	19	82	.00	67	56	62	.09	NA	NA	.11
11/ 9	68	43	56	2	19	88	.52	64	55	60	.11	NA	NA	.09
11/10	59	43	51	-3	19	89	.47	64	54	59	NA	NA	NA	.03
11/11	55	36	46	-7	19	89	.00	62	53	58	.10	NA	NA	.02
11/12	70	36	53	0	19	92	.00	63	53	58	.10	NA	NA	.12
11/13	75	43	59	6	19	101	.00	65	54	60	.12	NA	NA	.13
11/14	73	44	59	6	19	110	.00	65	56	61	.13	NA	NA	.11
11/15	78	43	61	9	20	121	.00	66	56	61	.05	NA	NA	.15
11/16	78	44	61	9	21	132	.00	66	56	61	.09	NA	NA	.14
11/17	74	44	59	7	21	141	.00	66	54	60	.11	NA	NA	.12
11/18	62	35	49	-3	21	141	Trace	63	53	58	.10	NA	NA	.07
11/19	64	34	49	-2	21	141	.00	63	52	58	.10	NA	NA	.08
11/20	69	34	52	1	21	143	.00	62	51	57	.09	NA	NA	.11
11/21	74	43	59	8	21	152	.00	64	54	59	.06	NA	NA	.12
11/22	70	47	59	9	21	161	.00	66	55	61	.08	NA	NA	.08
11/23	75	57	66	16	27	177	.00	63	55	59	.08	NA	NA	.08
11/24	65	40	53	3	27	180	.10	63	55	59	.10	NA	NA	.07
11/25	73	40	57	8	27	187	.00	64	55	60	.09	NA	NA	.12
11/26	73	44	59	10	27	196	.00	66	57	62	.09	NA	NA	.10
11/27	68	55	62	13	29	208	.00	63	59	61	NA	NA	NA	.04
11/28	80	60	70	21	39	228	.00	69	62	66	.09	NA	NA	.10
11/29	70	36	53	5	39	231	1.36	67	55	61	.17	NA	NA	.11
11/30	53	31	42	-6	39	231	.00	59	49	54	.17	NA	NA	.02

AIR TEMPERATURES (in degrees F):
Mean Maximum= 70.8 Mean Minimum= 43.2 Average= 57.0
DFN= +5.4 DFN= +4.7 DFN= +5.1
Highest= 80 Lowest= 31

PRECIPITATION STATISTICS (inches):
Total= 2.91 DFN= -.54 Greatest Daily= 1.36 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 73 Lowest= 49 Average= 61

AVERAGE DAILY VALUES:
Pan Evaporation= .11 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .10 (in)

Daily Weather Observations: Chilton Area Horticulture Substation, Clanton

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
12/ 1	59	31	45	-3	0	0	.10	59	49	54	.13	NA	NA	.05
12/ 2	66	35	51	3	0	1	.00	59	50	55	.03	NA	NA	.09
12/ 3	68	51	60	12	0	11	Trace	63	60	62	.04	NA	NA	.05
12/ 4	68	31	50	3	0	11	1.53	62	51	57	NA	NA	NA	.11
12/ 5	48	28	38	-9	0	11	.00	55	47	51	.17	NA	NA	.00
12/ 6	52	25	39	-8	0	11	.00	54	44	49	NA	NA	NA	.03
12/ 7	59	26	43	-4	0	11	.05	54	44	49	.09	NA	NA	.07
12/ 8	48	32	40	-7	0	11	.00	53	46	50	.05	NA	NA	.00
12/ 9	52	27	40	-6	0	11	.00	54	46	50	.09	NA	NA	.02
12/10	54	30	42	-4	0	11	.00	54	46	50	.09	NA	NA	.02
12/11	66	27	47	1	0	11	.00	56	46	51	.12	NA	NA	.11
12/12	69	36	53	7	0	14	.00	57	47	52	.04	NA	NA	.10
12/13	67	34	51	5	0	15	.00	57	48	53	.07	NA	NA	.09
12/14	72	54	63	18	3	28	.00	60	52	56	.02	NA	NA	.06
12/15	64	55	60	15	3	38	.00	61	58	60	.03	NA	NA	.01
12/16	68	55	62	17	5	50	Trace	62	58	60	.08	NA	NA	.03
12/17	69	54	62	17	7	62	.00	63	58	61	.04	NA	NA	.04
12/18	73	58	66	21	13	78	.00	65	65	65	.06	NA	NA	.05
12/19	72	48	60	16	13	88	.37	66	60	63	.09	NA	NA	.08
12/20	63	48	56	12	13	94	.68	62	58	60	.10	NA	NA	.02
12/21	60	49	55	11	13	99	.11	60	58	59	.08	NA	NA	.00
12/22	67	46	57	13	13	106	.03	62	57	60	NA	NA	NA	.05
12/23	74	54	64	20	17	120	.75	67	54	61	NA	NA	NA	.07
12/24	54	21	38	-6	17	120	.00	54	47	51	NA	NA	NA	.05
12/25	35	19	27	-17	17	120	.00	55	42	49	NA	NA	NA	.00
12/26	40	26	33	-11	17	120	.00	49	41	45	NA	NA	NA	.00
12/27	45	30	38	-6	17	120	.14	48	44	46	NA	NA	NA	.00
12/28	55	26	41	-3	17	120	.02	51	47	49	NA	NA	NA	.04
12/29	69	51	60	16	17	130	.01	58	47	53	NA	NA	NA	.05
12/30	65	53	59	15	17	139	.00	63	55	59	NA	NA	NA	.02
12/31	76	33	55	12	17	144	.52	65	52	59	NA	NA	NA	.15

AIR TEMPERATURES (in degrees F):
Mean Maximum= 61.2 Mean Minimum= 38.5 Average= 49.8
DFN= +4.1 DFN= +5.5 DFN= +4.8
Highest= 76 Lowest= 19

PRECIPITATION STATISTICS (inches):
Total= 4.31 DFN= -1.24 Greatest Daily= 1.53 Rain Days= 12

SOIL TEMPERATURES (in degrees F):
Highest= 67 Lowest= 41 Average= 55

AVERAGE DAILY VALUES:
Pan Evaporation= .07 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .05 (in)

Daily Weather Observations: Sand Mountain Substation, Crossville

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
1/ 1	60	29	45	4	0	0	.08	53	40	47	NA	NA	NA	.06
1/ 2	41	28	35	-6	0	0	.00	45	37	41	NA	NA	NA	.00
1/ 3	45	29	37	-3	0	0	.00	43	37	40	NA	NA	NA	.00
1/ 4	57	33	45	5	0	0	.27	49	37	43	NA	NA	NA	.03
1/ 5	57	50	54	14	0	4	.40	49	48	49	NA	NA	NA	.00
1/ 6	56	46	51	11	0	5	.65	51	49	50	NA	NA	NA	.00
1/ 7	50	42	46	6	0	5	.06	49	46	48	NA	NA	NA	.00
1/ 8	46	41	44	4	0	5	1.12	46	46	46	NA	NA	NA	.00
1/ 9	47	34	41	1	0	5	.03	49	40	45	NA	NA	NA	.00
1/10	58	34	46	6	0	5	.00	50	40	45	NA	NA	NA	.03
1/11	55	38	47	7	0	5	.00	52	40	46	NA	NA	NA	.00
1/12	66	35	51	11	0	6	.00	53	38	46	NA	NA	NA	.08
1/13	40	22	31	-9	0	6	.00	45	36	41	NA	NA	NA	.00
1/14	44	23	34	-6	0	6	.00	46	36	41	NA	NA	NA	.00
1/15	52	33	43	3	0	6	.00	46	37	42	NA	NA	NA	.00
1/16	61	44	53	13	0	9	.00	52	42	47	NA	NA	NA	.02
1/17	68	48	58	18	0	17	.00	57	46	52	NA	NA	NA	.06
1/18	68	55	62	22	2	29	.72	57	49	53	NA	NA	NA	.03
1/19	63	52	58	18	2	37	.00	58	53	56	NA	NA	NA	.01
1/20	58	52	55	15	2	42	.01	55	53	54	NA	NA	NA	.00
1/21	58	45	52	12	2	44	1.62	54	51	53	NA	NA	NA	.00
1/22	55	30	43	3	2	44	.00	57	42	50	NA	NA	NA	.03
1/23	60	30	45	5	2	44	.00	55	42	49	NA	NA	NA	.07
1/24	58	39	49	9	2	44	.11	49	42	46	NA	NA	NA	.03
1/25	54	49	52	12	2	46	1.40	51	48	50	NA	NA	NA	.00
1/26	55	26	41	1	2	46	.01	52	40	46	NA	NA	NA	.05
1/27	48	26	37	-3	2	46	.00	50	39	45	NA	NA	NA	.01
1/28	56	38	47	6	2	46	.00	51	39	45	NA	NA	NA	.02
1/29	62	45	54	13	2	50	.94	53	42	48	NA	NA	NA	.04
1/30	57	27	42	1	2	50	.43	52	39	46	NA	NA	NA	.06
1/31	48	28	38	-3	2	50	.00	47	38	43	NA	NA	NA	.00

AIR TEMPERATURES (in degrees F):
Mean Maximum= 54.9 Mean Minimum= 37.1 Average= 46.0
DFN= +5.5 DFN= +6.7 DFN= +6.1
Highest= 68 Lowest= 22

PRECIPITATION STATISTICS (inches):
Total= 7.85 DFN= +2.63 Greatest Daily= 1.62 Rain Days= 15

SOIL TEMPERATURES (in degrees F):
Highest= 58 Lowest= 36 Average= 47

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .02 (in)

Daily Weather Observations: Sand Mountain Substation, Crossville

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
2/ 1	61	31	46	5	0	0	.00	53	38	46	NA	NA	NA	.08
2/ 2	67	43	55	14	0	5	.00	51	42	47	NA	NA	NA	.08
2/ 3	67	59	63	22	3	18	.40	58	49	54	NA	NA	NA	.03
2/ 4	74	50	62	20	5	30	1.65	63	56	60	NA	NA	NA	.10
2/ 5	50	31	41	-1	5	30	.00	56	43	50	NA	NA	NA	.01
2/ 6	60	32	46	4	5	30	.00	57	43	50	NA	NA	NA	.07
2/ 7	57	39	48	6	5	30	.09	53	44	49	NA	NA	NA	.03
2/ 8	62	42	52	10	5	32	.00	58	46	52	NA	NA	NA	.05
2/ 9	61	44	53	11	5	35	.01	54	46	50	NA	NA	NA	.04
2/10	66	49	58	16	5	43	1.76	57	52	55	NA	NA	NA	.06
2/11	54	31	43	0	5	43	.00	56	43	50	NA	NA	NA	.04
2/12	62	32	47	4	5	43	.00	57	43	50	NA	NA	NA	.09
2/13	66	37	52	9	5	45	.00	59	44	52	NA	NA	NA	.10
2/14	67	48	58	15	5	53	.02	56	47	52	NA	NA	NA	.07
2/15	70	56	63	20	8	66	.27	61	53	57	NA	NA	NA	.06
2/16	68	59	64	21	12	80	4.54	58	56	57	NA	NA	NA	.04
2/17	64	35	50	6	12	80	.56	60	46	53	NA	NA	NA	.09
2/18	47	36	42	-2	12	80	.00	53	45	49	NA	NA	NA	.00
2/19	46	42	44	0	12	80	.40	47	45	46	NA	NA	NA	.00
2/20	58	35	47	3	12	80	.00	57	42	50	NA	NA	NA	.06
2/21	63	36	50	6	12	80	.00	59	42	51	NA	NA	NA	.09
2/22	58	41	50	5	12	80	.31	52	43	48	NA	NA	NA	.04
2/23	66	48	57	12	12	87	.16	58	51	55	NA	NA	NA	.07
2/24	52	33	43	-2	12	87	.04	53	41	47	NA	NA	NA	.03
2/25	54	22	38	-7	12	87	.00	53	38	46	NA	NA	NA	.08
2/26	40	23	32	-14	12	87	.00	49	38	44	NA	NA	NA	.00
2/27	55	30	43	-3	12	87	.00	53	37	45	NA	NA	NA	.06
2/28	65	35	50	4	12	87	.00	57	40	49	NA	NA	NA	.11

AIR TEMPERATURES (in degrees F):
Mean Maximum= 60.0 Mean Minimum= 39.3 Average= 49.6
DFN= +6.1 DFN= +6.9 DFN= +6.5
Highest= 74 Lowest= 22

PRECIPITATION STATISTICS (inches):
Total= 10.21 DFN= +5.32 Greatest Daily= 4.54 Rain Days= 13

SOIL TEMPERATURES (in degrees F):
Highest= 63 Lowest= 37 Average= 50

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .06 (in)

Daily Weather Observations: Sand Mountain Substation, Crossville

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
3/ 1	67	43	55	9	0	5	.00	59	45	52	NA	NA	NA	.10
3/ 2	48	43	46	-1	0	5	.55	49	48	49	NA	NA	NA	.00
3/ 3	49	40	45	-2	0	5	.71	50	47	49	.08	NA	NA	.00
3/ 4	59	32	46	-1	0	5	.00	57	42	50	.16	NA	NA	.09
3/ 5	58	32	45	-2	0	5	.00	58	42	50	.12	NA	NA	.08
3/ 6	66	35	51	3	0	6	.00	60	42	51	.13	NA	NA	.12
3/ 7	70	47	59	11	0	15	.00	61	45	53	.14	NA	NA	.11
3/ 8	66	41	54	6	0	19	.10	57	48	53	.12	NA	NA	.10
3/ 9	44	38	41	-8	0	19	1.02	48	47	48	.01	NA	NA	.00
3/10	59	44	52	3	0	21	.00	56	47	52	NA	NA	NA	.05
3/11	73	58	66	17	6	37	.00	65	52	59	.05	NA	NA	.10
3/12	77	55	66	16	12	53	.00	62	52	57	.18	NA	NA	.13
3/13	78	55	67	17	19	70	.00	66	55	61	.15	NA	NA	.14
3/14	79	56	68	18	27	88	.00	68	56	62	.08	NA	NA	.14
3/15	78	58	68	18	35	106	.00	68	56	62	.26	NA	NA	.13
3/16	70	59	65	14	40	121	3.07	62	59	61	NA	NA	NA	.08
3/17	60	46	53	2	40	124	1.21	60	54	57	NA	NA	NA	.06
3/18	62	41	52	1	40	126	.00	64	48	56	.12	NA	NA	.09
3/19	64	48	56	4	40	132	.00	63	48	56	.19	NA	NA	.08
3/20	58	26	42	-10	40	132	.00	61	40	51	.02	NA	NA	.11
3/21	47	27	37	-16	40	132	.00	55	40	48	.23	NA	NA	.04
3/22	63	31	47	-6	40	132	.00	61	40	51	.15	NA	NA	.13
3/23	71	46	59	6	40	141	.00	61	45	53	.23	NA	NA	.13
3/24	74	47	61	7	41	152	.00	66	49	58	.15	NA	NA	.15
3/25	74	42	58	4	41	160	.00	65	51	58	.07	NA	NA	.17
3/26	62	43	53	-1	41	163	.00	65	51	58	.21	NA	NA	.09
3/27	44	31	38	-17	41	163	.15	53	43	48	.04	NA	NA	.01
3/28	62	36	49	-6	41	163	.00	63	43	53	.13	NA	NA	.11
3/29	65	48	57	2	41	170	.23	60	49	55	.10	NA	NA	.09
3/30	52	46	49	-7	41	170	.04	55	51	53	.03	NA	NA	.02
3/31	54	47	51	-5	41	171	.28	53	51	52	NA	NA	NA	.03

AIR TEMPERATURES (in degrees F):
Mean Maximum= 63.0 Mean Minimum= 43.3 Average= 53.1
DFN= +1.0 DFN= +3.6 DFN= +2.3
Highest= 79 Lowest= 26

PRECIPITATION STATISTICS (inches):
Total= 7.36 DFN= +.68 Greatest Daily= 3.07 Rain Days= 10

SOIL TEMPERATURES (in degrees F):
Highest= 68 Lowest= 40 Average= 54

AVERAGE DAILY VALUES:
Pan Evaporation= .13 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .09 (in)

Daily Weather Observations: Sand Mountain Substation, Crossville

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
4/ 1	73	49	61	5	1	11	.00	67	53	60	.05	NA	NA	.14
4/ 2	76	53	65	8	6	26	.00	68	54	61	.18	NA	NA	.15
4/ 3	68	38	53	-4	6	29	.00	61	49	55	.19	NA	NA	.15
4/ 4	51	31	41	-16	6	29	.00	58	44	51	.14	NA	NA	.06
4/ 5	62	32	47	-11	6	29	.00	62	44	53	.17	NA	NA	.13
4/ 6	73	44	59	1	6	38	.03	68	49	59	.19	NA	NA	.16
4/ 7	58	30	44	-14	6	38	.24	58	43	51	.12	NA	NA	.11
4/ 8	53	27	40	-19	6	38	.00	59	43	51	.19	NA	NA	.09
4/ 9	64	29	47	-12	6	38	.00	63	43	53	.22	NA	NA	.16
4/10	72	45	59	0	6	47	.00	66	48	57	.24	NA	NA	.16
4/11	70	46	58	-2	6	55	.54	63	53	58	.05	NA	NA	.14
4/12	55	32	44	-16	6	55	.00	62	47	55	.20	NA	NA	.09
4/13	56	33	45	-15	6	55	.00	63	46	55	.18	NA	NA	.10
4/14	66	38	52	-8	6	57	.00	65	46	56	.18	NA	NA	.14
4/15	66	48	57	-4	6	64	.15	61	53	57	.12	NA	NA	.11
4/16	67	48	58	-3	6	72	.00	69	55	62	.16	NA	NA	.12
4/17	72	51	62	1	8	84	.00	71	56	64	.16	NA	NA	.14
4/18	77	39	58	-3	8	92	.04	70	50	60	.19	NA	NA	.21
4/19	67	41	54	-8	8	96	.00	69	49	59	.21	NA	NA	.14
4/20	64	50	57	-5	8	103	.00	65	53	59	.18	NA	NA	.10
4/21	74	55	65	3	13	118	.00	71	57	64	.10	NA	NA	.14
4/22	67	57	62	0	15	130	1.21	64	60	62	.08	NA	NA	.09
4/23	76	55	66	3	21	146	.00	76	61	69	.17	NA	NA	.16
4/24	82	56	69	6	30	165	.00	77	61	69	.18	NA	NA	.19
4/25	82	58	70	7	40	185	.00	78	62	70	.22	NA	NA	.19
4/26	81	54	68	5	48	203	.00	75	61	68	.19	NA	NA	.20
4/27	82	57	70	6	58	223	.00	78	62	70	.25	NA	NA	.19
4/28	81	60	71	7	69	244	1.12	76	62	69	.14	NA	NA	.18
4/29	70	50	60	-4	69	254	.10	72	60	66	.18	NA	NA	.14
4/30	80	56	68	4	77	272	.00	75	60	68	.21	NA	NA	.18

AIR TEMPERATURES (in degrees F):
Mean Maximum= 69.5 Mean Minimum= 45.4 Average= 57.5
DFN= -2.9 DFN= -3.2 DFN= -3.1
Highest= 82 Lowest= 27

PRECIPITATION STATISTICS (inches):
Total= 3.43 DFN= -1.90 Greatest Daily= 1.21 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 78 Lowest= 43 Average= 60

AVERAGE DAILY VALUES:
Pan Evaporation= .17 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .14 (in)

Daily Weather Observations: Sand Mountain Substation, Crossville

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
5/ 1	79	61	70	5	10	20	.00	74	65	70	.10	NA	NA	.16
5/ 2	84	59	72	7	22	42	.02	78	65	72	.17	NA	NA	.20
5/ 3	82	60	71	6	33	63	.00	78	65	72	.16	NA	NA	.19
5/ 4	85	64	75	10	48	88	.31	79	68	74	.16	NA	NA	.19
5/ 5	76	63	70	4	58	108	.26	75	68	72	.11	NA	NA	.14
5/ 6	66	42	54	-12	58	112	.00	71	58	65	.22	NA	NA	.14
5/ 7	67	42	55	-11	58	117	.00	73	57	65	.21	NA	NA	.15
5/ 8	72	46	59	-7	58	126	.00	75	57	66	.19	NA	NA	.17
5/ 9	74	56	65	-1	63	141	.10	73	59	66	.15	NA	NA	.15
5/10	66	54	60	-7	63	151	.90	65	62	64	NA	NA	NA	.11
5/11	64	42	53	-14	63	154	.00	71	56	64	.24	NA	NA	.13
5/12	67	47	57	-10	63	161	.01	69	51	60	.12	NA	NA	.14
5/13	81	62	72	5	75	183	.57	70	55	63	.13	NA	NA	.18
5/14	78	55	67	0	82	200	.00	70	63	67	.11	NA	NA	.18
5/15	81	60	71	3	93	221	.00	79	63	71	.16	NA	NA	.18
5/16	83	64	74	6	107	245	.18	78	65	72	.15	NA	NA	.19
5/17	84	68	76	8	123	271	.00	80	67	74	.25	NA	NA	.18
5/18	75	50	63	-5	126	284	.00	80	63	72	.27	NA	NA	.18
5/19	77	53	65	-3	131	299	.00	80	63	72	.20	NA	NA	.18
5/20	79	60	70	1	141	319	.36	78	67	73	.22	NA	NA	.17
5/21	75	62	69	0	150	338	1.15	75	67	71	.10	NA	NA	.14
5/22	71	54	63	-6	153	351	.24	73	64	69	.13	NA	NA	.14
5/23	60	52	56	-13	153	357	.00	66	61	64	.07	NA	NA	.08
5/24	69	51	60	-10	153	367	.00	73	61	67	.08	NA	NA	.14
5/25	76	54	65	-5	158	382	.00	78	64	71	.16	NA	NA	.18
5/26	80	64	72	2	170	404	.00	77	65	71	.17	NA	NA	.17
5/27	83	66	75	5	185	429	.00	81	67	74	.32	NA	NA	.18
5/28	82	66	74	4	199	453	.00	79	69	74	.02	NA	NA	.18
5/29	76	53	65	-6	204	468	.00	79	64	72	.24	NA	NA	.18
5/30	76	52	64	-7	208	482	.00	80	63	72	.23	NA	NA	.18
5/31	78	55	67	-4	215	499	.00	82	63	73	.19	NA	NA	.19

AIR TEMPERATURES (in degrees F):
Mean Maximum= 75.7 DFN= -3.2 Mean Minimum= 56.0 DFN= -.2 Average= 65.9 DFN= -1.7
Highest= 85 Lowest= 42

PRECIPITATION STATISTICS (inches):
Total= 4.10 DFN= -.41 Greatest Daily= 1.15 Rain Days= 11

SOIL TEMPERATURES (in degrees F):
Highest= 82 Lowest= 51 Average= 69

AVERAGE DAILY VALUES:
Pan Evaporation= .17 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .16 (in)

Daily Weather Observations: Sand Mountain Substation, Crossville

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
6/ 1	80	63	72	1	12	22	.00	83	67	75	.20	NA	NA	.17
6/ 2	73	65	69	-3	21	41	.00	75	68	72	.21	NA	NA	.12
6/ 3	84	68	76	4	37	67	.00	83	68	76	.14	NA	NA	.18
6/ 4	76	64	70	-2	47	87	.75	76	69	73	.13	NA	NA	.15
6/ 5	78	52	65	-7	52	102	.00	81	65	73	.25	NA	NA	.20
6/ 6	78	56	67	-6	59	119	.00	83	65	74	.20	NA	NA	.18
6/ 7	86	65	76	3	75	145	.00	83	72	78	.16	NA	NA	.21
6/ 8	89	70	80	7	95	175	.00	88	72	80	.19	NA	NA	.21
6/ 9	89	68	79	6	114	204	.00	89	72	81	.22	NA	NA	.22
6/10	88	68	78	5	132	232	.00	92	73	83	.26	NA	NA	.21
6/11	84	59	72	-2	144	254	.00	90	72	81	.30	NA	NA	.21
6/12	82	55	69	-5	153	273	.00	90	70	80	.29	NA	NA	.21
6/13	84	62	73	-1	166	296	.00	90	70	80	.23	NA	NA	.20
6/14	86	65	76	2	182	322	.00	90	73	82	.21	NA	NA	.21
6/15	88	68	78	4	200	350	1.49	90	74	82	.25	NA	NA	.21
6/16	84	69	77	2	217	377	1.02	83	74	79	.16	NA	NA	.18
6/17	86	71	79	4	236	406	.00	87	75	81	.14	NA	NA	.19
6/18	84	69	77	2	253	433	.00	84	75	80	.21	NA	NA	.18
6/19	86	66	76	1	269	459	.00	85	74	80	.16	NA	NA	.20
6/20	86	62	74	-1	283	483	.00	87	72	80	.28	NA	NA	.22
6/21	92	67	80	5	303	513	.00	90	72	81	.24	NA	NA	.24
6/22	82	67	75	0	318	538	Trace	80	73	77	.08	NA	NA	.18
6/23	86	66	76	0	334	564	.21	84	73	79	.18	NA	NA	.20
6/24	81	58	70	-6	344	584	.00	84	70	77	.29	NA	NA	.20
6/25	80	58	69	-7	353	603	.00	84	69	77	.22	NA	NA	.19
6/26	82	58	70	-6	363	623	.00	88	70	79	.25	NA	NA	.20
6/27	85	60	73	-3	376	646	.00	90	70	80	.25	NA	NA	.22
6/28	89	65	77	1	393	673	.00	93	72	83	.23	NA	NA	.23
6/29	90	67	79	3	412	702	.00	93	74	84	.24	NA	NA	.23
6/30	90	68	79	3	431	731	.00	93	75	84	.25	NA	NA	.22

AIR TEMPERATURES (in degrees F):
Mean Maximum= 84.3 Mean Minimum= 64.0 Average= 74.1
DFN= -.9 DFN= +.9 DFN= +.0
Highest= 92 Lowest= 52

PRECIPITATION STATISTICS (inches):
Total= 3.47 DFN= -.30 Greatest Daily= 1.49 Rain Days= 4

SOIL TEMPERATURES (in degrees F):
Highest= 93 Lowest= 65 Average= 79

AVERAGE DAILY VALUES:
Pan Evaporation= .21 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .20 (in)

Daily Weather Observations: Sand Mountain Substation, Crossville

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
7/ 1	90	71	81	5	21	31	.00	93	77	85	.16	NA	NA	.21
7/ 2	90	71	81	4	42	62	.00	93	77	85	.36	NA	NA	.21
7/ 3	92	70	81	4	63	93	.00	78	NA	NA	.33	NA	NA	.23
7/ 4	90	66	78	1	81	121	.00	93	76	85	.28	NA	NA	.23
7/ 5	90	66	78	1	99	149	.00	95	76	86	.28	NA	NA	.23
7/ 6	90	68	79	2	118	178	.00	93	77	85	.25	NA	NA	.22
7/ 7	92	70	81	4	139	209	.00	94	78	86	.27	NA	NA	.23
7/ 8	96	72	84	7	163	243	.00	96	78	87	.29	NA	NA	.25
7/ 9	95	70	83	6	186	276	.00	95	80	88	.25	NA	NA	.25
7/10	79	69	74	-3	200	300	.13	84	76	80	.11	NA	NA	.15
7/11	91	67	79	2	219	329	.00	95	76	86	.21	NA	NA	.23
7/12	91	70	81	4	240	360	.02	93	77	85	.19	NA	NA	.22
7/13	88	68	78	1	258	388	.90	89	75	82	.21	NA	NA	.21
7/14	70	66	68	-9	266	406	.70	80	73	77	NA	NA	NA	.10
7/15	76	59	68	-9	274	424	.00	80	70	75	.12	NA	NA	.16
7/16	79	60	70	-7	284	444	.00	83	69	76	.19	NA	NA	.18
7/17	83	62	73	-4	297	467	.00	83	69	76	.19	NA	NA	.19
7/18	81	68	75	-2	312	492	.02	80	72	76	.12	NA	NA	.16
7/19	86	68	77	0	329	519	.00	87	74	81	.18	NA	NA	.19
7/20	83	69	76	-1	345	545	.09	88	75	82	.18	NA	NA	.17
7/21	82	70	76	-2	361	571	.10	83	75	79	.11	NA	NA	.16
7/22	85	69	77	-1	378	598	.00	85	75	80	.17	NA	NA	.18
7/23	88	67	78	0	396	626	.00	90	75	83	.22	NA	NA	.21
7/24	84	65	75	-3	411	651	.05	90	75	83	.23	NA	NA	.19
7/25	85	62	74	-4	425	675	.00	90	74	82	.20	NA	NA	.20
7/26	88	64	76	-2	441	701	.00	92	74	83	.26	NA	NA	.22
7/27	88	66	77	-1	458	728	.00	92	74	83	.19	NA	NA	.21
7/28	88	65	77	0	475	755	.00	92	75	84	.24	NA	NA	.21
7/29	89	65	77	0	492	782	.00	92	75	84	.23	NA	NA	.22
7/30	88	65	77	0	509	809	.00	89	75	82	.16	NA	NA	.21
7/31	92	66	79	2	528	838	.00	93	75	84	.23	NA	NA	.23

AIR TEMPERATURES (in degrees F):
Mean Maximum= 86.7 Mean Minimum= 66.9 Average= 76.8
DFN= -1.1 DFN= +.7 DFN= -.2
Highest= 96 Lowest= 59

PRECIPITATION STATISTICS (inches):
Total= 2.01 DFN= -1.97 Greatest Daily= .90 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 96 Lowest= 69 Average= 82

AVERAGE DAILY VALUES:
Pan Evaporation= .21 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .20 (in)

Daily Weather Observations: Sand Mountain Substation, Crossville

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
8/ 1	91	68	80	3	20	30	.05	93	77	85	.29	NA	NA	.22
8/ 2	85	68	77	0	37	57	.13	87	76	82	.14	NA	NA	.18
8/ 3	84	66	75	-3	52	82	.00	86	74	80	.14	NA	NA	.18
8/ 4	91	67	79	1	71	111	.45	90	75	83	.17	NA	NA	.22
8/ 5	89	71	80	2	91	141	.00	85	75	80	.22	NA	NA	.20
8/ 6	89	70	80	2	111	171	.13	83	75	79	.15	NA	NA	.20
8/ 7	85	60	73	-5	124	194	.00	84	71	78	.28	NA	NA	.21
8/ 8	82	59	71	-6	135	215	.00	88	71	80	.27	NA	NA	.19
8/ 9	86	61	74	-3	149	239	.00	89	71	80	.10	NA	NA	.21
8/10	85	58	72	-5	161	261	.00	87	72	80	.29	NA	NA	.21
8/11	86	59	73	-4	174	284	.00	90	73	82	.22	NA	NA	.21
8/12	89	65	77	0	191	311	.00	90	73	82	.25	NA	NA	.21
8/13	90	67	79	2	210	340	.00	88	74	81	.21	NA	NA	.21
8/14	92	70	81	4	231	371	.00	90	74	82	.23	NA	NA	.22
8/15	88	67	78	1	249	399	.00	88	76	82	.19	NA	NA	.20
8/16	92	65	79	2	268	428	.00	91	76	84	.27	NA	NA	.23
8/17	93	66	80	3	288	458	.00	94	76	85	.33	NA	NA	.23
8/18	94	66	80	3	308	488	.00	91	77	84	.27	NA	NA	.24
8/19	98	69	84	7	332	522	.05	93	77	85	.27	NA	NA	.25
8/20	94	70	82	5	354	554	.34	88	77	83	.25	NA	NA	.22
8/21	95	70	83	6	377	587	.00	88	77	83	.10	NA	NA	.23
8/22	94	69	82	5	399	619	.02	88	75	82	.18	NA	NA	.23
8/23	90	66	78	2	417	647	.00	91	75	83	.29	NA	NA	.21
8/24	88	65	77	1	434	674	.00	90	76	83	.24	NA	NA	.20
8/25	90	65	78	2	452	702	.00	92	76	84	.26	NA	NA	.21
8/26	94	70	82	6	474	734	.00	92	77	85	.22	NA	NA	.22
8/27	94	69	82	6	496	766	.00	92	77	85	.22	NA	NA	.22
8/28	96	69	83	7	519	799	.00	90	78	84	.23	NA	NA	.24
8/29	100	67	84	8	543	833	.00	94	78	86	.24	NA	NA	.27
8/30	100	67	84	9	567	867	.80	93	75	84	.34	NA	NA	.27
8/31	88	67	78	3	585	895	.00	86	74	80	.22	NA	NA	.19

AIR TEMPERATURES (in degrees F):
Mean Maximum= 90.7 Mean Minimum= 66.3 Average= 78.5
DFN= +2.9 DFN= +.9 DFN= +1.9
Highest= 100 Lowest= 58

PRECIPITATION STATISTICS (inches):
Total= 1.97 DFN= -1.26 Greatest Daily= .80 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 94 Lowest= 71 Average= 82

AVERAGE DAILY VALUES:
Pan Evaporation= .23 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .22 (in)

Daily Weather Observations: Sand Mountain Substation, Crossville

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
9/ 1	81	67	74	-1	14	24	.00	82	74	78	.19	NA	NA	.14
9/ 2	88	70	79	4	33	53	.00	85	74	80	.18	NA	NA	.18
9/ 3	93	69	81	6	54	84	.00	90	75	83	.22	NA	NA	.21
9/ 4	94	69	82	7	76	116	.00	91	75	83	.24	NA	NA	.22
9/ 5	91	70	81	7	97	147	.00	92	76	84	.24	NA	NA	.20
9/ 6	92	67	80	6	117	177	.00	92	77	85	.27	NA	NA	.21
9/ 7	95	68	82	8	139	209	.00	94	77	86	.26	NA	NA	.23
9/ 8	97	68	83	9	162	242	.00	93	78	86	.31	NA	NA	.24
9/ 9	94	69	82	9	184	274	.00	91	77	84	.26	NA	NA	.21
9/10	96	68	82	9	206	306	.17	92	76	84	.27	NA	NA	.23
9/11	93	66	80	7	226	336	.48	88	73	81	.24	NA	NA	.22
9/12	89	67	78	5	244	364	.04	86	73	80	.13	NA	NA	.19
9/13	87	68	78	6	262	392	.96	84	74	79	.14	NA	NA	.17
9/14	83	68	76	4	278	418	1.87	83	74	79	.07	NA	NA	.14
9/15	83	66	75	3	293	443	.03	81	74	78	.15	NA	NA	.15
9/16	82	56	69	-3	302	462	.00	82	70	76	.25	NA	NA	.17
9/17	81	55	68	-3	310	480	.00	81	68	75	.23	NA	NA	.17
9/18	77	54	66	-5	316	496	.00	81	67	74	.25	NA	NA	.15
9/19	82	57	70	-1	326	516	.00	81	67	74	.16	NA	NA	.17
9/20	87	62	75	4	341	541	.01	81	69	75	.16	NA	NA	.18
9/21	86	65	76	6	357	567	.00	83	72	78	.15	NA	NA	.17
9/22	86	60	73	3	370	590	.31	NA	NA	NA	NA	NA	NA	.18
9/23	71	53	62	-8	372	602	.00	77	65	71	.15	NA	NA	.11
9/24	66	41	54	-15	372	606	.00	75	60	68	.22	NA	NA	.11
9/25	67	41	54	-15	372	610	.00	76	60	68	.15	NA	NA	.12
9/26	75	41	58	-11	372	618	.00	78	60	69	.17	NA	NA	.17
9/27	81	47	64	-4	376	632	.00	80	62	71	.16	NA	NA	.19
9/28	82	55	69	1	385	651	.00	82	65	74	.20	NA	NA	.17
9/29	82	62	72	5	397	673	.00	80	66	73	NA	NA	NA	.14
9/30	82	57	70	3	407	693	.00	83	68	76	NA	NA	NA	.16

AIR TEMPERATURES (in degrees F):
Mean Maximum= 84.8 Mean Minimum= 60.9 Average= 72.8
DFN= +2.2 DFN= +.7 DFN= +1.4
Highest= 97 Lowest= 41

PRECIPITATION STATISTICS (inches):
Total= 3.87 DFN= -.76 Greatest Daily= 1.87 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 94 Lowest= 60 Average= 77

AVERAGE DAILY VALUES:
Pan Evaporation= .20 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .18 (in)

Daily Weather Observations: Sand Mountain Substation, Crossville

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
10/ 1	81	57	69	3	9	19	.00	82	68	75	NA	NA	NA	.15
10/ 2	78	52	65	-1	14	34	.00	81	67	74	.20	NA	NA	.15
10/ 3	82	51	67	2	21	51	.00	83	67	75	.16	NA	NA	.18
10/ 4	84	65	75	10	36	76	.00	80	69	75	.21	NA	NA	.14
10/ 5	75	51	63	-2	39	89	.35	77	64	71	NA	NA	NA	.13
10/ 6	80	52	66	2	45	105	.00	75	64	70	.22	NA	NA	.16
10/ 7	81	58	70	6	55	125	.00	77	63	70	.22	NA	NA	.14
10/ 8	84	64	74	11	69	149	.03	78	65	72	.03	NA	NA	.14
10/ 9	81	67	74	11	83	173	.00	78	70	74	.10	NA	NA	.11
10/10	84	63	74	11	97	197	.00	81	70	76	.21	NA	NA	.15
10/11	63	48	56	-6	97	203	.00	70	63	67	.14	NA	NA	.06
10/12	73	48	61	-1	98	214	.50	76	63	70	.17	NA	NA	.12
10/13	73	55	64	2	102	228	.00	73	65	69	.12	NA	NA	.10
10/14	61	42	52	-9	102	230	.00	67	59	63	.04	NA	NA	.06
10/15	76	44	60	-1	102	240	.00	73	59	66	.12	NA	NA	.15
10/16	77	48	63	2	105	253	.00	73	60	67	.15	NA	NA	.14
10/17	79	55	67	7	112	270	.00	74	61	68	.16	NA	NA	.13
10/18	77	59	68	8	120	288	1.10	74	59	67	NA	NA	NA	.11
10/19	63	39	51	-8	120	289	.00	72	57	65	NA	NA	NA	.08
10/20	65	39	52	-7	120	291	.00	70	55	63	.14	NA	NA	.09
10/21	69	47	58	-1	120	299	.00	69	55	62	.15	NA	NA	.09
10/22	75	55	65	7	125	314	.11	73	58	66	.11	NA	NA	.10
10/23	66	53	60	2	125	324	1.34	66	61	64	.06	NA	NA	.05
10/24	62	44	53	-5	125	327	.00	67	57	62	.09	NA	NA	.05
10/25	64	45	55	-2	125	332	.00	66	55	61	.18	NA	NA	.06
10/26	53	36	45	-12	125	332	.00	59	49	54	.11	NA	NA	.02
10/27	57	33	45	-11	125	332	.00	61	49	55	.16	NA	NA	.06
10/28	65	33	49	-7	125	332	.00	63	49	56	.10	NA	NA	.10
10/29	64	32	48	-8	125	332	.00	63	49	56	.17	NA	NA	.10
10/30	66	33	50	-5	125	332	.00	63	49	56	.11	NA	NA	.11
10/31	70	34	52	-3	125	334	.00	63	49	56	.11	NA	NA	.13

AIR TEMPERATURES (in degrees F):
Mean Maximum= 71.9 DFN= -.6 Mean Minimum= 48.5 DFN= +.5 Average= 60.2 DFN= +.0
Highest= 84 Lowest= 32

PRECIPITATION STATISTICS (inches):
Total= 3.43 DFN= +.54 Greatest Daily= 1.34 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 83 Lowest= 49 Average= 66

AVERAGE DAILY VALUES:
Pan Evaporation= .14 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .11 (in)

Daily Weather Observations: Sand Mountain Substation, Crossville

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
11/ 1	76	40	58	4	0	8	.00	66	50	58	.11	NA	NA	.15
11/ 2	76	45	61	7	1	19	.00	67	52	60	.11	NA	NA	.13
11/ 3	75	48	62	8	3	31	.00	67	53	60	.07	NA	NA	.12
11/ 4	75	54	65	11	8	46	.00	67	53	60	.14	NA	NA	.10
11/ 5	75	57	66	13	14	62	.00	68	55	62	.12	NA	NA	.09
11/ 6	63	38	51	-2	14	63	.38	61	51	56	.09	NA	NA	.07
11/ 7	61	35	48	-5	14	63	.00	63	50	57	.08	NA	NA	.07
11/ 8	63	36	50	-3	14	63	.00	62	50	56	.11	NA	NA	.07
11/ 9	59	40	50	-2	14	63	.52	58	50	54	.05	NA	NA	.04
11/10	48	41	45	-7	14	63	1.47	50	50	50	NA	NA	NA	.00
11/11	48	35	42	-10	14	63	.00	53	47	50	.07	NA	NA	.00
11/12	65	37	51	0	14	64	.00	60	47	54	.10	NA	NA	.08
11/13	68	38	53	2	14	67	.00	61	49	55	.13	NA	NA	.10
11/14	68	38	53	2	14	70	.00	61	49	55	.10	NA	NA	.10
11/15	71	40	56	6	14	76	.00	63	49	56	.10	NA	NA	.11
11/16	68	41	55	5	14	81	.00	61	50	56	.06	NA	NA	.08
11/17	70	40	55	5	14	86	.05	61	50	56	.10	NA	NA	.10
11/18	56	30	43	-6	14	86	.00	58	46	52	.11	NA	NA	.04
11/19	60	32	46	-3	14	86	.00	58	46	52	.08	NA	NA	.06
11/20	62	34	48	-1	14	86	.00	57	47	52	.07	NA	NA	.07
11/21	69	46	58	10	14	94	.00	62	52	57	.06	NA	NA	.07
11/22	69	51	60	12	14	104	.00	61	52	57	.10	NA	NA	.06
11/23	68	53	61	13	15	115	.11	60	52	56	.12	NA	NA	.04
11/24	66	36	51	3	15	116	.00	61	54	58	.03	NA	NA	.08
11/25	68	42	55	7	15	121	.00	59	49	54	.08	NA	NA	.08
11/26	69	53	61	14	16	132	.00	60	49	55	.11	NA	NA	.05
11/27	64	53	59	12	16	141	.00	57	52	55	.02	NA	NA	.02
11/28	78	61	70	23	26	161	.00	64	57	61	.17	NA	NA	.08
11/29	65	32	49	2	26	161	1.29	61	48	55	.03	NA	NA	.09
11/30	48	26	37	-9	26	161	.00	53	44	49	.03	NA	NA	.00

AIR TEMPERATURES (in degrees F):
Mean Maximum= 65.7 DFN= +4.4 Mean Minimum= 41.7 DFN= +2.9 Average= 53.7 DFN= +3.7
Highest= 78 Lowest= 26

PRECIPITATION STATISTICS (inches):
Total= 3.82 DFN= -.26 Greatest Daily= 1.47 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 68 Lowest= 44 Average= 55

AVERAGE DAILY VALUES:
Pan Evaporation= .09 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .07 (in)

Daily Weather Observations: Sand Mountain Substation, Crossville

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
12/ 1	55	27	41	-5	0	0	.00	54	44	49	.15	NA	NA	.04
12/ 2	60	39	50	4	0	0	.05	53	43	48	.07	NA	NA	.03
12/ 3	59	49	54	8	0	4	.58	54	50	52	NA	NA	NA	.00
12/ 4	62	30	46	1	0	4	.52	57	46	52	NA	NA	NA	.07
12/ 5	40	24	32	-13	0	4	.00	50	41	46	NA	NA	NA	.00
12/ 6	46	26	36	-9	0	4	.00	51	41	46	NA	NA	NA	.00
12/ 7	53	28	41	-4	0	4	.00	51	41	46	NA	NA	NA	.02
12/ 8	47	29	38	-6	0	4	.00	48	42	45	NA	NA	NA	.00
12/ 9	48	28	38	-6	0	4	.00	51	41	46	NA	NA	NA	.00
12/10	55	30	43	-1	0	4	.00	51	41	46	NA	NA	NA	.03
12/11	62	30	46	2	0	4	.00	53	42	48	NA	NA	NA	.07
12/12	64	32	48	5	0	4	.00	54	42	48	NA	NA	NA	.08
12/13	62	43	53	10	0	7	.00	53	43	48	NA	NA	NA	.03
12/14	60	45	53	10	0	10	.00	54	50	52	NA	NA	NA	.01
12/15	53	45	49	6	0	10	.08	54	50	52	NA	NA	NA	.00
12/16	61	44	53	10	0	13	.13	54	50	52	NA	NA	NA	.02
12/17	54	45	50	7	0	13	.13	54	51	53	NA	NA	NA	.00
12/18	64	48	56	14	0	19	.48	56	52	54	NA	NA	NA	.02
12/19	69	42	56	14	0	25	.49	59	59	59	NA	NA	NA	.08
12/20	60	41	51	9	0	26	.00	60	51	56	NA	NA	NA	.02
12/21	52	43	48	6	0	26	.24	53	50	52	NA	NA	NA	.00
12/22	64	52	58	16	0	34	.21	58	53	56	NA	NA	NA	.01
12/23	65	36	51	9	0	35	2.30	61	53	57	NA	NA	NA	.07
12/24	38	16	27	-15	0	35	.71	53	40	47	NA	NA	NA	.00
12/25	26	15	21	-21	0	35	.00	45	39	42	NA	NA	NA	.00
12/26	37	19	28	-13	0	35	.00	45	39	42	NA	NA	NA	.00
12/27	44	26	35	-6	0	35	.15	47	40	44	NA	NA	NA	.00
12/28	39	32	36	-5	0	35	.38	43	43	43	NA	NA	NA	.00
12/29	48	39	44	3	0	35	.06	48	43	46	NA	NA	NA	.00
12/30	66	48	57	16	0	42	.08	55	48	52	NA	NA	NA	.04
12/31	70	28	49	8	0	42	.56	60	46	53	NA	NA	NA	.13

AIR TEMPERATURES (in degrees F):
Mean Maximum= 54.3 Mean Minimum= 34.8 Average= 44.5
DFN= +1.6 DFN= +2.0 DFN= +1.8
Highest= 70 Lowest= 15

PRECIPITATION STATISTICS (inches):
Total= 7.15 DFN= +1.71 Greatest Daily= 2.30 Rain Days= 17

SOIL TEMPERATURES (in degrees F):
Highest= 61 Lowest= 39 Average= 49

AVERAGE DAILY VALUES:
Pan Evaporation= .11 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .02 (in)

Daily Weather Observations: Gulf Coast Substation, Fairhope

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
1/ 1	68	37	53	1	0	3	.62	64	50	57	.22	NA	NA	.09
1/ 2	55	39	47	-5	0	3	.00	55	47	51	.12	NA	NA	.01
1/ 3	55	40	48	-4	0	3	.00	51	47	49	.07	NA	NA	.00
1/ 4	64	44	54	2	0	7	.00	54	47	51	.01	NA	NA	.05
1/ 5	70	57	64	12	4	21	1.35	59	54	57	NA	NA	NA	.05
1/ 6	70	57	64	12	8	35	2.96	62	57	60	NA	NA	NA	.05
1/ 7	65	54	60	8	8	45	.63	62	59	61	.17	NA	NA	.02
1/ 8	57	45	51	-1	8	46	.32	60	55	58	.01	NA	NA	.00
1/ 9	47	33	40	-12	8	46	.00	60	47	54	.03	NA	NA	.00
1/10	60	34	47	-5	8	46	.00	54	46	50	.06	NA	NA	.06
1/11	68	44	56	5	8	52	.00	58	50	54	.09	NA	NA	.08
1/12	68	46	57	6	8	59	.00	56	50	53	.12	NA	NA	.07
1/13	62	33	48	-3	8	59	.00	54	44	49	.15	NA	NA	.07
1/14	54	29	42	-9	8	59	.00	50	42	46	.12	NA	NA	.04
1/15	63	37	50	-1	8	59	.00	51	42	47	.05	NA	NA	.07
1/16	68	44	56	5	8	65	.00	57	47	52	.04	NA	NA	.08
1/17	71	47	59	7	8	74	.00	60	50	55	.10	NA	NA	.09
1/18	73	61	67	15	15	91	.00	62	55	59	.06	NA	NA	.06
1/19	68	59	64	12	19	105	.59	61	61	61	.01	NA	NA	.03
1/20	76	59	68	16	27	123	.00	65	61	63	.11	NA	NA	.08
1/21	75	56	66	14	33	139	1.06	68	64	66	NA	NA	NA	.09
1/22	66	40	53	1	33	142	.00	54	53	54	.14	NA	NA	.08
1/23	65	35	50	-2	33	142	.00	60	50	55	.07	NA	NA	.09
1/24	67	35	51	-1	33	143	.00	58	50	54	.09	NA	NA	.10
1/25	74	61	68	16	41	161	.70	64	57	61	.08	NA	NA	.07
1/26	61	35	48	-4	41	161	.21	64	48	56	.12	NA	NA	.07
1/27	58	35	47	-5	41	161	.00	57	48	53	.09	NA	NA	.05
1/28	68	43	56	4	41	167	.00	60	48	54	.08	NA	NA	.09
1/29	69	46	58	6	41	175	.00	60	47	54	.08	NA	NA	.08
1/30	67	38	53	1	41	178	.16	62	49	56	.12	NA	NA	.10
1/31	56	40	48	-4	41	178	.06	54	49	52	.02	NA	NA	.02

AIR TEMPERATURES (in degrees F):
Mean Maximum= 64.8 Mean Minimum= 44.0 Average= 54.4
DFN= +3.0 DFN= +2.5 DFN= +2.7
Highest= 76 Lowest= 29

PRECIPITATION STATISTICS (inches):
Total= 8.66 DFN= +4.02 Greatest Daily= 2.96 Rain Days= 11

SOIL TEMPERATURES (in degrees F):
Highest= 68 Lowest= 42 Average= 55

AVERAGE DAILY VALUES:
Pan Evaporation= .09 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .06 (in)

Daily Weather Observations: Gulf Coast Substation, Fairhope

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
2/ 1	68	44	56	3	0	6	.00	60	50	55	.08	NA	NA	.09
2/ 2	68	44	56	3	0	12	.00	60	50	55	.08	NA	NA	.09
2/ 3	77	56	67	14	7	29	.00	69	53	61	.05	NA	NA	.11
2/ 4	78	56	67	14	14	46	.07	72	66	69	.14	NA	NA	.11
2/ 5	61	37	49	-4	14	46	.00	56	53	55	.27	NA	NA	.07
2/ 6	61	37	49	-4	14	46	.00	60	52	56	.02	NA	NA	.07
2/ 7	62	49	56	3	14	52	.23	57	52	55	.01	NA	NA	.04
2/ 8	68	49	59	6	14	61	.00	65	57	61	.07	NA	NA	.08
2/ 9	65	51	58	5	14	69	.64	60	57	59	NA	NA	NA	.05
2/10	76	59	68	14	22	87	1.10	69	61	65	NA	NA	NA	.10
2/11	71	43	57	3	22	94	.17	70	57	64	.13	NA	NA	.12
2/12	67	44	56	2	22	100	.00	65	54	60	.13	NA	NA	.09
2/13	75	46	61	7	23	111	.00	66	54	60	.12	NA	NA	.13
2/14	73	50	62	8	25	123	.00	66	54	60	.13	NA	NA	.11
2/15	74	62	68	14	33	141	1.85	67	61	64	NA	NA	NA	.08
2/16	76	68	72	18	45	163	.02	71	64	68	.13	NA	NA	.07
2/17	72	52	62	7	47	175	1.53	71	61	66	.25	NA	NA	.10
2/18	55	51	53	-2	47	178	.02	61	58	60	.11	NA	NA	.00
2/19	56	51	54	-1	47	182	3.42	58	58	58	NA	NA	NA	.00
2/20	56	49	53	-2	47	185	.06	59	54	57	.09	NA	NA	.01
2/21	70	49	60	5	47	195	.00	66	56	61	.12	NA	NA	.10
2/22	69	55	62	7	49	207	1.19	61	57	59	.17	NA	NA	.07
2/23	66	53	60	4	49	217	.00	65	60	63	.10	NA	NA	.06
2/24	59	38	49	-7	49	217	.00	65	52	59	.17	NA	NA	.07
2/25	71	41	56	0	49	223	.00	65	52	59	.20	NA	NA	.13
2/26	62	38	50	-6	49	223	.00	63	50	57	.18	NA	NA	.09
2/27	66	40	53	-4	49	226	.00	63	49	56	.14	NA	NA	.11
2/28	69	47	58	1	49	234	.00	62	52	57	.12	NA	NA	.10

AIR TEMPERATURES (in degrees F):
Mean Maximum= 67.5 Mean Minimum= 48.5 Average= 58.0
DFN= +2.9 DFN= +5.1 DFN= +4.0
Highest= 78 Lowest= 37

PRECIPITATION STATISTICS (inches):
Total= 10.30 DFN= +5.56 Greatest Daily= 3.42 Rain Days= 12

SOIL TEMPERATURES (in degrees F):
Highest= 72 Lowest= 49 Average= 60

AVERAGE DAILY VALUES:
Pan Evaporation= .13 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .08 (in)

Daily Weather Observations: Gulf Coast Substation, Fairhope

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
3/ 1	73	47	60	3	0	10	.00	67	53	60	.12	NA	NA	.13
3/ 2	73	50	62	5	2	22	.07	69	51	60	.12	NA	NA	.12
3/ 3	66	46	56	-1	2	28	.17	64	56	60	.09	NA	NA	.09
3/ 4	64	41	53	-5	2	31	.00	64	52	58	.15	NA	NA	.09
3/ 5	66	40	53	-5	2	34	.00	67	52	60	.16	NA	NA	.11
3/ 6	70	45	58	0	2	42	.00	67	52	60	.15	NA	NA	.12
3/ 7	73	50	62	4	4	54	.00	67	54	61	.12	NA	NA	.13
3/ 8	76	57	67	8	11	71	.00	71	57	64	.17	NA	NA	.12
3/ 9	67	58	63	4	14	84	.00	65	62	64	.07	NA	NA	.06
3/10	74	58	66	7	20	100	.00	68	61	65	.08	NA	NA	.11
3/11	76	59	68	9	28	118	.00	75	63	69	.11	NA	NA	.12
3/12	78	60	69	9	37	137	.00	78	65	72	.18	NA	NA	.13
3/13	78	61	70	10	47	157	.00	77	68	73	.15	NA	NA	.13
3/14	80	62	71	11	58	178	.00	81	68	75	.20	NA	NA	.14
3/15	78	63	71	11	69	199	.00	76	68	72	.18	NA	NA	.12
3/16	75	64	70	9	79	219	6.20	71	69	70	NA	NA	NA	.10
3/17	64	50	57	-4	79	226	3.54	69	60	65	NA	NA	NA	.08
3/18	69	43	56	-5	79	232	.00	71	58	65	.16	NA	NA	.13
3/19	76	46	61	NA	80	243	.00	71	58	65	.15	NA	NA	.17
3/20	74	36	55	-7	80	248	.00	74	54	64	.26	NA	NA	.19
3/21	59	33	46	-16	80	248	.00	66	51	59	.21	NA	NA	.10
3/22	63	40	52	-10	80	250	.00	69	51	60	.15	NA	NA	.11
3/23	70	47	59	-3	80	259	.00	72	53	63	.15	NA	NA	.13
3/24	74	46	60	-3	80	269	.00	76	58	67	.20	NA	NA	.16
3/25	75	47	61	-2	81	280	.00	78	59	69	.19	NA	NA	.16
3/26	76	50	63	0	84	293	.00	79	61	70	.19	NA	NA	.16
3/27	74	46	60	-3	84	303	.00	77	61	69	.24	NA	NA	.16
3/28	68	47	58	-6	84	311	.00	77	61	69	.19	NA	NA	.12
3/29	73	56	65	1	89	326	.00	74	62	68	.11	NA	NA	.12
3/30	77	62	70	6	99	346	.38	77	64	71	.17	NA	NA	.13
3/31	69	60	65	1	104	361	.05	70	66	68	.07	NA	NA	.09

AIR TEMPERATURES (in degrees F):
Mean Maximum= 71.9 DFN= +.9 Mean Minimum= 50.6 DFN= +1.0 Average= 61.3 DFN= +1.0
Highest= 80 Lowest= 33

PRECIPITATION STATISTICS (inches):
Total= 10.41 DFN= +4.47 Greatest Daily= 6.20 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 81 Lowest= 51 Average= 65

AVERAGE DAILY VALUES:
Pan Evaporation= .15 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .12 (in)

Daily Weather Observations: Gulf Coast Substation, Fairhope

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
4/ 1	73	54	64	-1	4	14	.00	73	64	69	.09	NA	NA	.13
4/ 2	78	56	67	2	11	31	.00	79	64	72	.19	NA	NA	.16
4/ 3	76	47	62	-3	13	43	Trace	76	63	70	.21	NA	NA	.17
4/ 4	65	43	54	-11	13	47	.00	73	59	66	.25	NA	NA	.12
4/ 5	69	43	56	-10	13	53	.00	75	59	67	.31	NA	NA	.14
4/ 6	74	55	65	-1	18	68	.00	80	59	70	.13	NA	NA	.14
4/ 7	75	42	59	-7	18	77	.33	73	57	65	.17	NA	NA	.19
4/ 8	64	42	53	-13	18	80	.00	70	54	62	.23	NA	NA	.12
4/ 9	66	43	55	-11	18	85	.00	68	51	60	.17	NA	NA	.13
4/10	75	48	62	-5	20	97	.00	72	64	68	.13	NA	NA	.17
4/11	78	57	68	1	28	115	.58	75	64	70	.16	NA	NA	.16
4/12	70	45	58	-9	28	123	.00	74	57	66	.26	NA	NA	.15
4/13	68	46	57	-10	28	130	.00	73	57	65	.25	NA	NA	.13
4/14	73	48	61	-7	29	141	.00	74	57	66	.22	NA	NA	.16
4/15	75	55	65	-3	34	156	.74	77	62	70	.22	NA	NA	.15
4/16	70	50	60	-8	34	166	.00	71	61	66	.13	NA	NA	.13
4/17	75	51	63	-5	37	179	.00	75	60	68	.21	NA	NA	.16
4/18	76	54	65	-4	42	194	.00	79	63	71	.23	NA	NA	.16
4/19	74	57	66	-3	48	210	.00	79	65	72	.21	NA	NA	.14
4/20	69	62	66	-3	54	226	.00	71	67	69	.11	NA	NA	.09
4/21	77	59	68	-1	62	244	.00	74	65	70	.11	NA	NA	.15
4/22	79	60	70	0	72	264	.00	81	65	73	.21	NA	NA	.16
4/23	80	60	70	0	82	284	.10	81	69	75	.12	NA	NA	.17
4/24	81	61	71	1	93	305	.00	85	69	77	.22	NA	NA	.17
4/25	82	62	72	2	105	327	.00	84	70	77	.22	NA	NA	.18
4/26	81	59	70	0	115	347	.00	85	70	78	.25	NA	NA	.18
4/27	81	61	71	0	126	368	.00	83	70	77	.21	NA	NA	.18
4/28	78	66	72	1	138	390	.72	78	70	74	.14	NA	NA	.14
4/29	81	59	70	-1	148	410	.00	81	69	75	.28	NA	NA	.18
4/30	78	61	70	-1	158	430	.00	79	69	74	.19	NA	NA	.16

AIR TEMPERATURES (in degrees F):
Mean Maximum= 74.7 Mean Minimum= 53.5 Average= 64.1
DFN= -3.5 DFN= -3.5 DFN= -3.5
Highest= 82 Lowest= 42

PRECIPITATION STATISTICS (inches):
Total= 2.47 DFN= -2.44 Greatest Daily= .74 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 85 Lowest= 51 Average= 70

AVERAGE DAILY VALUES:
Pan Evaporation= .19 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .15 (in)

Daily Weather Observations: Gulf Coast Substation, Fairhope

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
5/ 1	82	67	75	3	15	25	.00	84	70	77	.25	NA	NA	.16
5/ 2	83	64	74	2	29	49	.00	87	73	80	.25	NA	NA	.18
5/ 3	84	67	76	4	45	75	.00	85	74	80	.21	NA	NA	.18
5/ 4	87	71	79	7	64	104	.00	89	72	81	.26	NA	NA	.18
5/ 5	82	69	76	4	80	130	.26	84	76	80	.17	NA	NA	.16
5/ 6	81	56	69	-4	89	149	.00	84	70	77	.26	NA	NA	.19
5/ 7	74	52	63	-10	92	162	.00	78	66	72	.21	NA	NA	.16
5/ 8	77	55	66	-7	98	178	.00	82	66	74	.21	NA	NA	.17
5/ 9	77	59	68	-5	106	196	1.06	76	69	73	.01	NA	NA	.16
5/10	80	69	75	2	121	221	.64	80	71	76	.15	NA	NA	.15
5/11	81	54	68	-6	129	239	.00	82	66	74	.35	NA	NA	.20
5/12	76	56	66	-8	135	255	.00	78	66	72	.21	NA	NA	.17
5/13	81	60	71	-3	146	276	1.52	82	67	75	NA	NA	NA	.18
5/14	72	64	68	-6	154	294	.76	71	70	71	.24	NA	NA	.12
5/15	83	65	74	0	168	318	.00	80	70	75	.15	NA	NA	.18
5/16	85	66	76	1	184	344	.00	85	70	78	.27	NA	NA	.19
5/17	85	72	79	4	203	373	.00	85	73	79	.20	NA	NA	.17
5/18	85	63	74	-1	217	397	.15	85	72	79	.20	NA	NA	.20
5/19	84	64	74	-1	231	421	.00	82	72	77	.23	NA	NA	.19
5/20	83	65	74	-1	245	445	.00	83	72	78	.26	NA	NA	.18
5/21	85	72	79	3	264	474	.00	89	75	82	.17	NA	NA	.17
5/22	85	67	76	0	280	500	.55	89	76	83	.23	NA	NA	.19
5/23	82	55	69	-7	289	519	.00	84	71	78	.26	NA	NA	.21
5/24	78	57	68	-8	297	537	.00	85	70	78	.23	NA	NA	.18
5/25	83	60	72	-4	309	559	.00	86	70	78	.24	NA	NA	.20
5/26	86	64	75	-2	324	584	.00	87	72	80	.23	NA	NA	.21
5/27	87	74	81	4	345	615	.00	90	75	83	.22	NA	NA	.18
5/28	86	65	76	-1	361	641	.00	92	75	84	.21	NA	NA	.20
5/29	83	64	74	-3	375	665	Trace	87	75	81	.20	NA	NA	.19
5/30	83	60	72	-5	387	687	.00	91	75	83	.28	NA	NA	.20
5/31	84	63	74	-4	401	711	.00	92	75	84	.25	NA	NA	.20

AIR TEMPERATURES (in degrees F):
Mean Maximum= 82.1 Mean Minimum= 63.2 Average= 72.6
DFN= -2.5 DFN= -.6 DFN= -1.6
Highest= 87 Lowest= 52

PRECIPITATION STATISTICS (inches):
Total= 4.94 DFN= -.05 Greatest Daily= 1.52 Rain Days= 7

SOIL TEMPERATURES (in degrees F):
Highest= 92 Lowest= 66 Average= 78

AVERAGE DAILY VALUES:
Pan Evaporation= .22 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .18 (in)

Daily Weather Observations: Gulf Coast Substation, Fairhope

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
6/ 1	86	66	76	-2	16	26	.00	90	77	84	.21	NA	NA	.20
6/ 2	87	68	78	0	34	54	.61	90	77	84	.25	NA	NA	.20
6/ 3	88	74	81	3	55	85	.00	91	79	85	.25	NA	NA	.19
6/ 4	91	70	81	3	76	116	.59	90	79	85	.28	NA	NA	.22
6/ 5	87	70	79	0	95	145	.45	90	79	85	.33	NA	NA	.20
6/ 6	88	71	80	1	115	175	.00	91	79	85	.23	NA	NA	.20
6/ 7	88	73	81	2	136	206	.00	92	80	86	.29	NA	NA	.19
6/ 8	89	71	80	1	156	236	.03	93	80	87	.25	NA	NA	.21
6/ 9	89	71	80	1	176	266	.00	95	81	88	.31	NA	NA	.21
6/10	87	69	78	-1	194	294	1.53	92	80	86	.23	NA	NA	.20
6/11	87	71	79	0	213	323	.00	87	78	83	.13	NA	NA	.19
6/12	89	66	78	-2	231	351	.00	91	77	84	.33	NA	NA	.22
6/13	89	69	79	-1	250	380	.00	91	77	84	.25	NA	NA	.21
6/14	89	69	79	-1	269	409	.00	90	78	84	.26	NA	NA	.21
6/15	87	70	79	-1	288	438	.00	95	80	88	.28	NA	NA	.20
6/16	88	72	80	0	308	468	.00	97	81	89	.34	NA	NA	.20
6/17	90	77	84	4	332	502	.00	96	84	90	.24	NA	NA	.19
6/18	91	73	82	2	354	534	1.14	98	83	91	.32	NA	NA	.21
6/19	93	74	84	4	378	568	.00	93	83	88	.25	NA	NA	.22
6/20	93	76	85	4	403	603	.02	95	83	89	.27	NA	NA	.22
6/21	92	76	84	3	427	637	.00	95	84	90	.25	NA	NA	.21
6/22	90	76	83	2	450	670	.27	95	84	90	.26	NA	NA	.20
6/23	80	67	74	-7	464	694	1.15	84	78	81	NA	NA	NA	.16
6/24	83	65	74	-7	478	718	.43	84	76	80	.14	NA	NA	.19
6/25	87	68	78	-3	496	746	.00	90	86	88	.29	NA	NA	.20
6/26	88	65	77	-4	513	773	.00	91	78	85	.31	NA	NA	.22
6/27	89	69	79	-2	532	802	.00	92	78	85	.29	NA	NA	.21
6/28	93	70	82	1	554	834	.00	95	79	87	.26	NA	NA	.23
6/29	90	69	80	-2	574	864	.00	95	81	88	.23	NA	NA	.22
6/30	87	71	79	-3	593	893	.00	95	81	88	.24	NA	NA	.19

AIR TEMPERATURES (in degrees F):
Mean Maximum= 88.5 Mean Minimum= 70.5 Average= 79.5
DFN= -1.1 DFN= +.7 DFN= -.2
Highest= 93 Lowest= 65

PRECIPITATION STATISTICS (inches):
Total= 6.22 DFN= +.29 Greatest Daily= 1.53 Rain Days= 10

SOIL TEMPERATURES (in degrees F):
Highest= 98 Lowest= 76 Average= 86

AVERAGE DAILY VALUES:
Pan Evaporation= .26 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .20 (in)

Daily Weather Observations: Gulf Coast Substation, Fairhope

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
7/ 1	91	76	84	2	24	34	.00	99	83	91	.26	NA	NA	.20
7/ 2	91	79	85	3	49	69	.00	101	85	93	.34	NA	NA	.19
7/ 3	93	70	82	1	71	101	.01	85	NA	NA	.32	NA	NA	.23
7/ 4	90	69	80	-1	91	131	.48	100	82	91	.30	NA	NA	.22
7/ 5	85	71	78	-3	109	159	.00	89	80	85	.21	NA	NA	.18
7/ 6	87	75	81	0	130	190	.31	90	80	85	.17	NA	NA	.18
7/ 7	89	74	82	1	152	222	.00	95	82	89	.29	NA	NA	.20
7/ 8	93	74	84	3	176	256	.00	95	83	89	.27	NA	NA	.22
7/ 9	92	73	83	2	199	289	.00	95	82	89	.24	NA	NA	.22
7/10	89	71	80	-1	219	319	.02	90	80	85	.12	NA	NA	.20
7/11	92	73	83	2	242	352	.00	98	81	90	.30	NA	NA	.22
7/12	89	73	81	0	263	383	.05	97	84	91	.25	NA	NA	.20
7/13	89	73	81	0	284	414	1.37	99	82	91	.35	NA	NA	.20
7/14	85	71	78	-3	302	442	.10	90	80	85	.11	NA	NA	.18
7/15	84	67	76	-5	318	468	.00	91	79	85	.29	NA	NA	.18
7/16	85	67	76	-5	334	494	.00	92	78	85	.27	NA	NA	.19
7/17	86	69	78	-3	352	522	.40	88	78	83	.14	NA	NA	.19
7/18	82	71	77	-5	369	549	.00	94	77	86	.16	NA	NA	.16
7/19	90	70	80	-2	389	579	1.68	87	77	82	.25	NA	NA	.21
7/20	85	71	78	-4	407	607	1.00	84	77	81	NA	NA	NA	.18
7/21	86	71	79	-3	426	636	.02	90	78	84	.16	NA	NA	.18
7/22	89	71	80	-2	446	666	.00	93	79	86	.25	NA	NA	.20
7/23	89	73	81	-1	467	697	.38	93	80	87	.25	NA	NA	.20
7/24	90	69	80	-2	487	727	.02	92	80	86	.25	NA	NA	.21
7/25	90	72	81	-1	508	758	.00	94	80	87	.30	NA	NA	.20
7/26	91	73	82	0	530	790	.00	94	80	87	.32	NA	NA	.21
7/27	93	73	83	1	553	823	.00	96	81	89	.26	NA	NA	.22
7/28	92	71	82	0	575	855	Trace	94	80	87	.17	NA	NA	.22
7/29	92	72	82	0	597	887	.00	97	80	89	.31	NA	NA	.22
7/30	92	74	83	1	620	920	.00	95	83	89	.20	NA	NA	.21
7/31	93	76	85	3	645	955	.00	98	84	91	.25	NA	NA	.21

AIR TEMPERATURES (in degrees F):
Mean Maximum= 89.2 DFN= -1.4 Mean Minimum= 72.0 DFN= -.3 Average= 80.6 DFN= -.8
Highest= 93 Lowest= 67

PRECIPITATION STATISTICS (inches):
Total= 5.84 DFN= -1.97 Greatest Daily= 1.68 Rain Days= 13

SOIL TEMPERATURES (in degrees F):
Highest= 101 Lowest= 77 Average= 87

AVERAGE DAILY VALUES:
Pan Evaporation= .25 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .20 (in)

Daily Weather Observations: Gulf Coast Substation, Fairhope

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
8/ 1	91	71	81	-1	21	31	.00	100	90	95	.26	NA	NA	.21
8/ 2	91	73	82	0	43	63	.00	102	85	94	.24	NA	NA	.21
8/ 3	92	71	82	0	65	95	.00	101	86	94	.27	NA	NA	.22
8/ 4	94	72	83	1	88	128	.00	103	86	95	.25	NA	NA	.23
8/ 5	93	76	85	3	113	163	.00	100	87	94	.21	NA	NA	.21
8/ 6	92	72	82	0	135	195	.13	101	85	93	.26	NA	NA	.21
8/ 7	91	72	82	0	157	227	Trace	98	83	91	.19	NA	NA	.21
8/ 8	90	70	80	-2	177	257	.00	95	81	88	.30	NA	NA	.21
8/ 9	88	66	77	-5	194	284	.00	96	83	90	.24	NA	NA	.21
8/10	87	66	77	-5	211	311	.00	99	83	91	.29	NA	NA	.20
8/11	89	67	78	-4	229	339	.00	99	83	91	.31	NA	NA	.21
8/12	91	67	79	-3	248	368	.00	99	83	91	.29	NA	NA	.22
8/13	91	67	79	-3	267	397	.00	99	84	92	.31	NA	NA	.22
8/14	89	68	79	-2	286	426	.00	100	84	92	.27	NA	NA	.20
8/15	91	71	81	0	307	457	.00	100	84	92	.28	NA	NA	.21
8/16	92	73	83	2	330	490	.00	100	85	93	.30	NA	NA	.21
8/17	93	74	84	3	354	524	.00	102	86	94	.30	NA	NA	.21
8/18	93	79	86	5	380	560	.00	100	87	94	.29	NA	NA	.19
8/19	95	75	85	4	405	595	.00	102	88	95	.27	NA	NA	.22
8/20	94	72	83	2	428	628	.09	100	85	93	.33	NA	NA	.22
8/21	94	72	83	2	451	661	.02	98	85	92	.23	NA	NA	.22
8/22	90	74	82	1	473	693	.58	91	82	87	.13	NA	NA	.19
8/23	91	74	83	2	496	726	.00	92	81	87	.21	NA	NA	.19
8/24	91	76	84	3	520	760	.00	92	81	87	.22	NA	NA	.19
8/25	94	76	85	4	545	795	.00	95	82	89	.30	NA	NA	.20
8/26	95	76	86	5	571	831	.00	95	82	89	.29	NA	NA	.21
8/27	94	74	84	3	595	865	.00	94	83	89	.17	NA	NA	.21
8/28	94	72	83	2	618	898	.05	94	82	88	.18	NA	NA	.22
8/29	92	73	83	2	641	931	.00	96	82	89	.20	NA	NA	.20
8/30	93	79	86	5	667	967	.00	97	83	90	.30	NA	NA	.19
8/31	98	69	84	4	6911001		1.13	100	79	90	.31	NA	NA	.25

AIR TEMPERATURES (in degrees F):
Mean Maximum= 92.0 Mean Minimum= 72.2 Average= 82.1
DFN= +1.6 DFN= +.4 DFN= +1.0
Highest= 98 Lowest= 66

PRECIPITATION STATISTICS (inches):
Total= 2.00 DFN= -4.01 Greatest Daily= 1.13 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 103 Lowest= 79 Average= 91

AVERAGE DAILY VALUES:
Pan Evaporation= .26 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .21 (in)

Daily Weather Observations: Gulf Coast Substation, Fairhope

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
9/ 1	91	67	79	-1	19	29	.00	90	79	85	.23	NA	NA	.21
9/ 2	86	71	79	-1	38	58	Trace	85	79	82	NA	NA	NA	.17
9/ 3	91	71	81	1	59	89	.02	89	79	84	.17	NA	NA	.20
9/ 4	91	71	81	1	80	120	.00	93	81	87	.23	NA	NA	.20
9/ 5	97	70	84	4	104	154	.40	93	80	87	.29	NA	NA	.24
9/ 6	92	69	81	1	125	185	.00	91	79	85	.21	NA	NA	.21
9/ 7	94	69	82	2	147	217	.00	91	79	85	.23	NA	NA	.22
9/ 8	91	72	82	2	169	249	.00	92	79	86	.24	NA	NA	.19
9/ 9	92	70	81	2	190	280	.00	95	80	88	.26	NA	NA	.20
9/10	91	70	81	2	211	311	.00	96	80	88	.24	NA	NA	.20
9/11	88	72	80	1	231	341	.83	92	80	86	.19	NA	NA	.17
9/12	88	72	80	1	251	371	.16	85	80	83	.13	NA	NA	.17
9/13	83	72	78	-1	269	399	.09	81	78	80	.10	NA	NA	.14
9/14	88	72	80	1	289	429	.02	84	78	81	.08	NA	NA	.17
9/15	86	72	79	0	308	458	.02	86	79	83	.09	NA	NA	.15
9/16	88	75	82	4	330	490	.00	91	80	86	.21	NA	NA	.16
9/17	94	71	83	5	353	523	.00	92	79	86	.27	NA	NA	.21
9/18	91	66	79	1	372	552	.00	91	78	85	.32	NA	NA	.20
9/19	92	66	79	1	391	581	.00	94	78	86	.24	NA	NA	.21
9/20	91	69	80	2	411	611	.00	95	78	87	.21	NA	NA	.19
9/21	91	70	81	4	432	642	.00	94	80	87	.20	NA	NA	.19
9/22	92	68	80	3	452	672	.00	95	80	88	.21	NA	NA	.20
9/23	93	68	81	5	473	703	.00	NA	NA	NA	NA	NA	NA	.21
9/24	82	51	67	-9	480	720	.00	90	73	82	.37	NA	NA	.19
9/25	76	50	63	-13	483	733	.00	88	71	80	.20	NA	NA	.15
9/26	78	50	64	-11	487	747	.00	85	70	78	.16	NA	NA	.17
9/27	83	50	67	-8	494	764	.00	88	70	79	.21	NA	NA	.20
9/28	90	57	74	-1	508	788	.00	90	71	81	.20	NA	NA	.22
9/29	81	66	74	-1	522	812	.06	80	74	77	.08	NA	NA	.13
9/30	81	66	74	0	536	836	.06	80	74	77	.08	NA	NA	.13

AIR TEMPERATURES (in degrees F):
Mean Maximum= 88.4 Mean Minimum= 66.8 Average= 77.6
DFN= +1.2 DFN= -1.5 DFN= -.2
Highest= 97 Lowest= 50

PRECIPITATION STATISTICS (inches):
Total= 1.66 DFN= -5.52 Greatest Daily= .83 Rain Days= 9

SOIL TEMPERATURES (in degrees F):
Highest= 96 Lowest= 70 Average= 83

AVERAGE DAILY VALUES:
Pan Evaporation= .20 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .19 (in)

Daily Weather Observations: Gulf Coast Substation, Fairhope

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
10/ 1	86	66	76	2	16	26	.00	85	74	80	.10	NA	NA	.16
10/ 2	89	66	78	4	34	54	.00	90	74	82	.18	NA	NA	.18
10/ 3	91	65	78	5	52	82	.00	90	76	83	.17	NA	NA	.19
10/ 4	91	71	81	8	73	113	.21	90	78	84	.16	NA	NA	.18
10/ 5	85	65	75	3	88	138	.11	84	75	80	.11	NA	NA	.16
10/ 6	87	62	75	3	103	163	.00	86	72	79	.21	NA	NA	.18
10/ 7	91	66	79	8	122	192	.00	81	72	77	.12	NA	NA	.19
10/ 8	90	67	79	8	141	221	.00	86	75	81	.16	NA	NA	.18
10/ 9	90	64	77	6	158	248	.11	89	74	82	.17	NA	NA	.19
10/10	89	62	76	5	174	274	Trace	86	74	80	.18	NA	NA	.19
10/11	75	51	63	-7	177	287	.00	83	70	77	.29	NA	NA	.13
10/12	76	51	64	-6	181	301	.00	83	70	77	.19	NA	NA	.14
10/13	83	55	69	-1	190	320	.00	85	73	79	.15	NA	NA	.17
10/14	80	50	65	-4	195	335	.00	85	69	77	.18	NA	NA	.16
10/15	80	51	66	-3	201	351	.00	81	69	75	.10	NA	NA	.16
10/16	85	54	70	1	211	371	.00	84	69	77	.18	NA	NA	.18
10/17	89	55	72	4	223	393	.00	85	69	77	.17	NA	NA	.20
10/18	88	70	79	11	242	422	.54	80	75	78	.11	NA	NA	.15
10/19	76	47	62	-6	244	434	.00	78	61	70	.24	NA	NA	.14
10/20	75	47	61	-6	245	445	.00	74	60	67	.13	NA	NA	.14
10/21	82	51	67	0	252	462	.00	75	60	68	.14	NA	NA	.17
10/22	84	67	76	9	268	488	1.64	76	69	73	.14	NA	NA	.13
10/23	74	58	66	-1	274	504	.27	74	68	71	.10	NA	NA	.09
10/24	70	51	61	-5	275	515	.00	72	64	68	.11	NA	NA	.09
10/25	71	51	61	-5	276	526	.00	73	60	67	.17	NA	NA	.10
10/26	63	41	52	-14	276	528	.00	65	55	60	.23	NA	NA	.08
10/27	65	40	53	-12	276	531	.00	64	54	59	.16	NA	NA	.09
10/28	71	44	58	-7	276	539	.00	68	54	61	.13	NA	NA	.12
10/29	77	46	62	-2	278	551	.00	70	56	63	.16	NA	NA	.15
10/30	75	46	61	-3	279	562	.00	70	56	63	.16	NA	NA	.13
10/31	79	49	64	0	283	576	.00	71	56	64	.14	NA	NA	.15

AIR TEMPERATURES (in degrees F):
Mean Maximum= 80.9 Mean Minimum= 55.8 Average= 68.3
DFN= +1.3 DFN= -1.4 DFN= -.1
Highest= 91 Lowest= 40

PRECIPITATION STATISTICS (inches):
Total= 2.88 DFN= -.25 Greatest Daily= 1.64 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 90 Lowest= 54 Average= 73

AVERAGE DAILY VALUES:
Pan Evaporation= .16 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .15 (in)

Daily Weather Observations: Gulf Coast Substation, Fairhope

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
11/ 1	77	46	62	-1	2	12	.00	73	58	66	.14	NA	NA	.14
11/ 2	79	49	64	1	6	26	.00	73	59	66	.14	NA	NA	.15
11/ 3	82	56	69	6	15	45	.00	75	61	68	.15	NA	NA	.14
11/ 4	82	57	70	8	25	65	.00	76	63	70	.14	NA	NA	.14
11/ 5	83	66	75	13	40	90	.00	75	64	70	.12	NA	NA	.12
11/ 6	72	38	55	-7	40	95	Trace	73	59	66	.17	NA	NA	.13
11/ 7	63	42	53	-8	40	98	.00	69	58	64	.08	NA	NA	.06
11/ 8	73	45	59	-2	40	107	.00	69	58	64	.13	NA	NA	.12
11/ 9	78	49	64	3	44	121	.18	70	57	64	.09	NA	NA	.14
11/10	72	47	60	-1	44	131	1.42	69	58	64	NA	NA	NA	.10
11/11	64	42	53	-7	44	134	.00	63	53	58	.10	NA	NA	.07
11/12	71	46	59	-1	44	143	.00	64	53	59	.14	NA	NA	.10
11/13	77	49	63	3	47	156	.00	65	53	59	.13	NA	NA	.13
11/14	79	50	65	5	52	171	.00	66	56	61	.15	NA	NA	.14
11/15	79	50	65	6	57	186	.00	66	56	61	.12	NA	NA	.13
11/16	77	53	65	6	62	201	.00	67	56	62	.11	NA	NA	.11
11/17	79	55	67	8	69	218	.00	70	59	65	.11	NA	NA	.12
11/18	69	42	56	-3	69	224	.00	65	54	60	.19	NA	NA	.10
11/19	69	42	56	-3	69	230	.00	63	53	58	.09	NA	NA	.09
11/20	73	46	60	2	69	240	.00	64	54	59	.09	NA	NA	.11
11/21	75	47	61	3	70	251	.00	65	55	60	.10	NA	NA	.12
11/22	77	49	63	5	73	264	.00	NA	NA	NA	NA	NA	NA	.12
11/23	79	50	65	7	78	279	.00	78	58	68	NA	NA	NA	.13
11/24	79	50	65	7	83	294	.00	78	58	68	NA	NA	NA	.13
11/25	65	48	57	NA	83	301	.11	64	57	61	.03	NA	NA	.05
11/26	75	52	64	7	87	315	.00	64	55	60	.10	NA	NA	.10
11/27	81	52	67	10	94	332	.00	69	61	65	.10	NA	NA	.13
11/28	81	65	73	16	107	355	.00	70	64	67	.08	NA	NA	.09
11/29	80	44	62	5	109	367	.13	71	62	67	.17	NA	NA	.15
11/30	59	38	49	-7	109	367	.00	62	50	56	.15	NA	NA	.04

AIR TEMPERATURES (in degrees F):
Mean Maximum= 75.0 Mean Minimum= 48.8 Average= 61.9
DFN= +5.0 DFN= +.3 DFN= +2.6
Highest= 83 Lowest= 38

PRECIPITATION STATISTICS (inches):
Total= 1.84 DFN= -1.91 Greatest Daily= 1.42 Rain Days= 4

SOIL TEMPERATURES (in degrees F):
Highest= 78 Lowest= 50 Average= 63

AVERAGE DAILY VALUES:
Pan Evaporation= .12 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .11 (in)

Daily Weather Observations: Gulf Coast Substation, Fairhope

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
12/ 1	62	39	51	-5	0	1	.00	56	49	53	.11	NA	NA	.05
12/ 2	69	52	61	5	1	12	.00	59	51	55	.07	NA	NA	.06
12/ 3	77	61	69	13	10	31	.18	66	59	63	.05	NA	NA	.08
12/ 4	71	37	54	-2	10	35	1.30	65	53	59	.13	NA	NA	.12
12/ 5	51	31	41	-14	10	35	.00	54	46	50	.11	NA	NA	.01
12/ 6	55	32	44	-11	10	35	.00	51	45	48	.08	NA	NA	.03
12/ 7	62	36	49	-6	10	35	.02	54	46	50	.10	NA	NA	.06
12/ 8	49	37	43	-12	10	35	.14	52	47	50	.02	NA	NA	.00
12/ 9	55	37	46	-9	10	35	.00	51	44	48	.13	NA	NA	.01
12/10	62	36	49	-6	10	35	.00	52	44	48	.09	NA	NA	.06
12/11	66	36	51	-3	10	36	.00	54	44	49	.09	NA	NA	.09
12/12	70	38	54	0	10	40	.00	55	46	51	.10	NA	NA	.10
12/13	72	44	58	4	10	48	.00	58	47	53	.02	NA	NA	.10
12/14	76	55	66	12	16	64	.00	60	52	56	.10	NA	NA	.09
12/15	75	53	64	10	20	78	.00	63	57	60	.05	NA	NA	.09
12/16	73	50	62	8	22	90	.00	63	57	60	.09	NA	NA	.08
12/17	74	55	65	11	27	105	.00	65	57	61	.03	NA	NA	.08
12/18	76	65	71	18	38	126	.00	67	62	65	.09	NA	NA	.06
12/19	74	56	65	12	43	141	.32	68	63	66	.07	NA	NA	.07
12/20	69	56	63	10	46	154	.02	63	63	63	.04	NA	NA	.04
12/21	76	68	72	19	58	176	.01	69	63	66	.06	NA	NA	.05
12/22	77	69	73	20	71	199	.04	71	68	70	.08	NA	NA	.05
12/23	78	70	74	21	85	223	.02	71	70	71	.08	NA	NA	.05
12/24	76	29	53	0	85	226	.32	71	52	62	.13	NA	NA	.17
12/25	43	25	34	-19	85	226	.00	52	44	48	NA	NA	NA	.00
12/26	43	26	35	-17	85	226	.00	47	43	45	NA	NA	NA	.00
12/27	54	36	45	-7	85	226	.00	50	45	48	.08	NA	NA	.01
12/28	72	50	61	9	86	237	.00	55	48	52	.03	NA	NA	.08
12/29	75	60	68	16	94	255	.00	65	55	60	.04	NA	NA	.07
12/30	75	66	71	19	105	276	.00	66	62	64	.04	NA	NA	.05
12/31	78	46	62	10	107	288	.00	70	62	66	.09	NA	NA	.13

AIR TEMPERATURES (in degrees F):
Mean Maximum= 67.3 Mean Minimum= 46.8 Average= 57.0
DFN= +3.5 DFN= +3.5 DFN= +3.5
Highest= 78 Lowest= 25

PRECIPITATION STATISTICS (inches):
Total= 2.37 DFN= -2.71 Greatest Daily= 1.30 Rain Days= 10

SOIL TEMPERATURES (in degrees F):
Highest= 71 Lowest= 43 Average= 57

AVERAGE DAILY VALUES:
Pan Evaporation= .08 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .06 (in)

Daily Weather Observations: Wiregrass Substation, Headland

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
1/ 1	64	34	49	1	0	0	2.40	55	45	50	NA	NA	NA	.08
1/ 2	52	30	41	-7	0	0	.00	50	46	48	NA	NA	NA	.01
1/ 3	57	41	49	1	0	0	.00	47	45	46	.06	NA	NA	.01
1/ 4	63	41	52	4	0	2	.00	50	47	49	.03	NA	NA	.05
1/ 5	68	48	58	10	0	10	.81	53	50	52	.05	NA	NA	.06
1/ 6	65	52	59	11	0	19	.64	56	53	55	NA	NA	NA	.03
1/ 7	63	50	57	9	0	26	1.42	55	55	55	NA	NA	NA	.02
1/ 8	57	46	52	4	0	28	.33	56	54	55	NA	NA	NA	.00
1/ 9	51	39	45	-3	0	28	.00	55	52	54	.01	NA	NA	.00
1/10	58	40	49	1	0	28	.00	52	50	51	.02	NA	NA	.02
1/11	66	36	51	3	0	29	.00	51	49	50	.08	NA	NA	.09
1/12	73	41	57	9	0	36	.00	52	47	50	.09	NA	NA	.12
1/13	58	25	42	-6	0	36	.00	50	44	47	NA	NA	NA	.07
1/14	54	26	40	-8	0	36	.00	43	43	43	NA	NA	NA	.04
1/15	59	27	43	-5	0	36	.00	44	41	43	NA	NA	NA	.07
1/16	68	37	53	5	0	39	.00	47	43	45	.05	NA	NA	.10
1/17	75	44	60	12	0	49	.00	51	45	48	.08	NA	NA	.12
1/18	76	49	63	15	3	62	.00	54	50	52	.08	NA	NA	.11
1/19	75	49	62	14	5	74	.00	55	52	54	.04	NA	NA	.11
1/20	78	52	65	17	10	89	.00	56	54	55	NA	NA	NA	.12
1/21	77	55	66	18	16	105	1.80	61	56	59	NA	NA	NA	.10
1/22	67	36	52	4	16	107	.15	58	52	55	NA	NA	NA	.10
1/23	62	32	47	-1	16	107	.00	50	50	50	.08	NA	NA	.08
1/24	68	37	53	5	16	110	.00	52	49	51	.09	NA	NA	.10
1/25	72	48	60	12	16	120	.19	58	51	55	.01	NA	NA	.09
1/26	73	29	51	3	16	121	.34	59	50	55	NA	NA	NA	.16
1/27	54	32	43	-5	16	121	.00	47	47	47	NA	NA	NA	.03
1/28	61	38	50	2	16	121	.00	47	47	47	.08	NA	NA	.06
1/29	70	38	54	6	16	125	.03	52	46	49	.14	NA	NA	.11
1/30	62	31	47	-2	16	125	.10	55	49	52	.05	NA	NA	.09
1/31	59	31	45	-4	16	125	.05	50	49	50	.06	NA	NA	.07

AIR TEMPERATURES (in degrees F):
Mean Maximum= 64.7 Mean Minimum= 39.2 Average= 51.9
DFN= +5.9 DFN= +2.2 DFN= +4.0
Highest= 78 Lowest= 25

PRECIPITATION STATISTICS (inches):
Total= 8.26 DFN= +2.99 Greatest Daily= 2.40 Rain Days= 12

SOIL TEMPERATURES (in degrees F):
Highest= 61 Lowest= 41 Average= 51

AVERAGE DAILY VALUES:
Pan Evaporation= .06 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .07 (in)

Daily Weather Observations: Wiregrass Substation, Headland

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
2/ 1	66	40	53	4	0	3	.00	50	50	50	.06	NA	NA	.09
2/ 2	69	41	55	6	0	8	.00	55	50	53	NA	NA	NA	.10
2/ 3	77	59	68	19	8	26	.00	60	55	58	.04	NA	NA	.10
2/ 4	72	61	67	18	15	43	.06	62	60	61	.05	NA	NA	.06
2/ 5	72	34	53	4	15	46	.00	58	53	56	.13	NA	NA	.15
2/ 6	63	37	50	0	15	46	.00	53	53	53	.05	NA	NA	.08
2/ 7	67	43	55	5	15	51	.07	55	51	53	.09	NA	NA	.09
2/ 8	71	44	58	8	15	59	.00	56	54	55	.04	NA	NA	.11
2/ 9	71	46	59	9	15	68	.03	58	53	56	.07	NA	NA	.10
2/10	78	51	65	15	20	83	.55	60	58	59	.12	NA	NA	.13
2/11	67	40	54	3	20	87	.58	60	55	58	.08	NA	NA	.10
2/12	65	39	52	1	20	89	.00	54	54	54	.12	NA	NA	.09
2/13	72	40	56	5	20	95	.00	55	52	54	NA	NA	NA	.13
2/14	73	42	58	7	20	103	.00	55	51	53	.13	NA	NA	.13
2/15	76	49	63	12	23	116	.00	58	53	56	.12	NA	NA	.13
2/16	80	59	70	19	33	136	.41	61	57	59	.09	NA	NA	.12
2/17	73	49	61	10	34	147	1.13	63	60	62	.14	NA	NA	.11
2/18	63	49	56	4	34	153	.00	60	57	59	.16	NA	NA	.05
2/19	57	45	51	-1	34	154	1.16	57	55	56	NA	NA	NA	.03
2/20	60	46	53	1	34	157	.15	57	54	56	.06	NA	NA	.04
2/21	69	45	57	5	34	164	.00	58	55	57	.12	NA	NA	.10
2/22	69	46	58	6	34	172	.19	58	54	56	.02	NA	NA	.10
2/23	63	51	57	4	34	179	.31	60	58	59	.07	NA	NA	.05
2/24	68	34	51	-2	34	180	.00	60	50	55	.04	NA	NA	.13
2/25	68	33	51	-2	34	181	.00	55	50	53	NA	NA	NA	.14
2/26	56	29	43	-10	34	181	.00	48	48	48	NA	NA	NA	.08
2/27	62	35	49	-5	34	181	.00	50	47	49	NA	NA	NA	.10
2/28	71	39	55	1	34	186	.00	52	49	51	.08	NA	NA	.14

AIR TEMPERATURES (in degrees F):
Mean Maximum= 68.5 Mean Minimum= 43.8 Average= 56.1
DFN= +6.2 DFN= +4.5 DFN= +5.4
Highest= 80 Lowest= 29

PRECIPITATION STATISTICS (inches):
Total= 4.64 DFN= -.32 Greatest Daily= 1.16 Rain Days= 11

SOIL TEMPERATURES (in degrees F):
Highest= 63 Lowest= 47 Average= 55

AVERAGE DAILY VALUES:
Pan Evaporation= .09 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .10 (in)

Daily Weather Observations: Wiregrass Substation, Headland

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
3/ 1	73	42	58	4	0	8	.00	56	47	52	.11	NA	NA	.14
3/ 2	76	52	64	10	4	22	.01	58	53	56	.12	NA	NA	.13
3/ 3	68	44	56	1	4	28	.43	56	52	54	.08	NA	NA	.11
3/ 4	77	35	56	1	4	34	.00	56	52	54	.10	NA	NA	.19
3/ 5	69	38	54	-1	4	38	.00	53	51	52	.14	NA	NA	.14
3/ 6	74	42	58	3	4	46	.00	54	52	53	.13	NA	NA	.16
3/ 7	77	48	63	7	7	59	.00	57	52	55	.13	NA	NA	.16
3/ 8	77	48	63	7	10	72	.00	59	55	57	.19	NA	NA	.16
3/ 9	68	45	57	1	10	79	.00	58	56	57	.10	NA	NA	.11
3/10	79	50	65	9	15	94	.00	61	56	59	.04	NA	NA	.16
3/11	83	50	67	10	22	111	.00	65	58	62	.22	NA	NA	.19
3/12	88	51	70	13	32	131	.00	66	59	63	.14	NA	NA	.22
3/13	84	52	68	11	40	149	.00	74	60	67	.14	NA	NA	.19
3/14	84	51	68	11	48	167	.00	69	61	65	.17	NA	NA	.20
3/15	81	56	69	11	57	186	.00	67	61	64	.17	NA	NA	.16
3/16	83	61	72	14	69	208	.53	68	62	65	.21	NA	NA	.16
3/17	81	50	66	8	75	224	2.55	66	60	63	NA	NA	NA	.18
3/18	67	42	55	-3	75	229	.01	60	55	58	NA	NA	NA	.12
3/19	72	44	58	-1	75	237	.00	64	54	59	NA	NA	NA	.15
3/20	75	30	53	-6	75	240	.00	62	52	57	.28	NA	NA	.21
3/21	60	30	45	-14	75	240	.00	54	51	53	.18	NA	NA	.12
3/22	69	36	53	-7	75	243	.00	54	50	52	.12	NA	NA	.16
3/23	78	41	60	0	75	253	.00	63	52	58	.12	NA	NA	.20
3/24	79	49	64	4	79	267	.00	66	56	61	.19	NA	NA	.18
3/25	83	50	67	7	86	284	.00	67	59	63	.19	NA	NA	.20
3/26	83	51	67	6	93	301	.00	69	59	64	.16	NA	NA	.20
3/27	78	40	59	-2	93	310	.00	67	59	63	.21	NA	NA	.20
3/28	72	47	60	-1	93	320	.00	67	57	62	.13	NA	NA	.14
3/29	72	53	63	1	96	333	.01	65	60	63	.09	NA	NA	.13
3/30	77	53	65	3	101	348	.00	68	62	65	.14	NA	NA	.16
3/31	65	55	60	-2	101	358	.80	63	63	63	.14	NA	NA	.08

AIR TEMPERATURES (in degrees F):
Mean Maximum= 75.9 Mean Minimum= 46.3 Average= 61.1
DFN= +6.3 DFN= +.3 DFN= +3.3
Highest= 88 Lowest= 30

PRECIPITATION STATISTICS (inches):
Total= 4.34 DFN= -1.10 Greatest Daily= 2.55 Rain Days= 7

SOIL TEMPERATURES (in degrees F):
Highest= 74 Lowest= 47 Average= 59

AVERAGE DAILY VALUES:
Pan Evaporation= .15 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .16 (in)

Daily Weather Observations: Wiregrass Substation, Headland

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
4/ 1	74	52	63	0	3	13	.00	67	60	64	.15	NA	NA	.14
4/ 2	82	52	67	4	10	30	.90	70	63	67	.18	NA	NA	.20
4/ 3	67	41	54	-9	10	34	.08	66	58	62	.06	NA	NA	.14
4/ 4	62	36	49	-15	10	34	.00	63	56	60	.23	NA	NA	.12
4/ 5	68	39	54	-10	10	38	.00	62	56	59	.19	NA	NA	.15
4/ 6	83	49	66	2	16	54	.00	68	56	62	.13	NA	NA	.21
4/ 7	82	36	59	-6	16	63	.33	68	57	63	.28	NA	NA	.25
4/ 8	63	34	49	-16	16	63	.00	61	54	58	.22	NA	NA	.14
4/ 9	70	38	54	-11	16	67	.00	62	52	57	.18	NA	NA	.17
4/10	78	49	64	-2	20	81	.00	66	56	61	.19	NA	NA	.18
4/11	79	54	67	1	27	98	.35	66	61	64	.19	NA	NA	.18
4/12	67	37	52	-14	27	100	.00	65	57	61	.19	NA	NA	.15
4/13	67	36	52	-14	27	102	.00	64	55	60	.21	NA	NA	.16
4/14	73	45	59	-8	27	111	.00	65	56	61	.24	NA	NA	.17
4/15	78	49	64	-3	31	125	.16	70	59	65	.17	NA	NA	.19
4/16	76	48	62	-5	33	137	.00	69	62	66	.13	NA	NA	.18
4/17	84	53	69	2	42	156	.00	72	62	67	.17	NA	NA	.21
4/18	87	53	70	2	52	176	.00	75	62	69	.27	NA	NA	.23
4/19	80	51	66	-2	58	192	.00	72	64	68	NA	NA	NA	.20
4/20	71	52	62	-6	60	204	.00	68	64	66	.06	NA	NA	.14
4/21	83	53	68	0	68	222	.00	72	64	68	.24	NA	NA	.21
4/22	84	59	72	3	80	244	.00	74	65	70	.09	NA	NA	.20
4/23	84	55	70	1	90	264	.02	74	67	71	.27	NA	NA	.21
4/24	82	53	68	-1	98	282	.00	78	67	73	.24	NA	NA	.21
4/25	85	54	70	1	108	302	.00	76	69	73	.21	NA	NA	.22
4/26	85	54	70	1	118	322	.00	77	69	73	.26	NA	NA	.22
4/27	85	51	68	-1	126	340	.00	80	69	75	.31	NA	NA	.23
4/28	85	60	73	3	139	363	.28	77	69	73	.11	NA	NA	.20
4/29	84	50	67	-3	146	380	.00	78	68	73	.21	NA	NA	.23
4/30	87	54	71	1	157	401	.00	77	67	72	.24	NA	NA	.24

AIR TEMPERATURES (in degrees F):
Mean Maximum= 77.8 Mean Minimum= 48.2 Average= 63.0
DFN= -1.0 DFN= -6.3 DFN= -3.6
Highest= 87 Lowest= 34

PRECIPITATION STATISTICS (inches):
Total= 2.12 DFN= -2.46 Greatest Daily= .90 Rain Days= 7

SOIL TEMPERATURES (in degrees F):
Highest= 80 Lowest= 52 Average= 66

AVERAGE DAILY VALUES:
Pan Evaporation= .19 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .19 (in)

Daily Weather Observations: Wiregrass Substation, Headland

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
5/ 1	92	64	78	8	18	28	.00	81	71	76	.31	NA	NA	.24
5/ 2	93	59	76	5	34	54	.00	84	73	79	.29	NA	NA	.26
5/ 3	94	62	78	7	52	82	.00	84	74	79	.25	NA	NA	.26
5/ 4	93	62	78	7	70	110	.00	83	74	79	.30	NA	NA	.25
5/ 5	90	66	78	7	88	138	.13	82	74	78	.35	NA	NA	.22
5/ 6	83	51	67	-5	95	155	.23	78	70	74	.12	NA	NA	.22
5/ 7	73	46	60	-12	95	165	.00	73	67	70	.20	NA	NA	.18
5/ 8	80	51	66	-6	101	181	.00	77	67	72	.28	NA	NA	.20
5/ 9	79	58	69	-3	110	200	.51	73	59	66	NA	7	NA	.18
5/10	73	60	67	-6	117	217	1.12	70	68	69	NA	20	NA	.13
5/11	80	45	63	-10	120	230	.00	76	66	71	.34	0	NA	.22
5/12	80	53	67	-6	127	247	.00	75	65	70	.29	0	NA	.20
5/13	86	59	73	0	140	270	1.12	78	69	74	.34	10	NA	.22
5/14	75	52	64	-9	144	284	.00	72	69	71	NA	0	NA	.17
5/15	88	63	76	2	160	310	.00	79	69	74	.25	0	NA	.22
5/16	91	62	77	3	177	337	.00	81	73	77	.28	NA	NA	.24
5/17	91	67	79	5	196	366	.00	82	74	78	.22	NA	NA	.23
5/18	89	54	72	-2	208	388	.08	81	72	77	.18	4	NA	.26
5/19	83	53	68	-6	216	406	.00	81	72	77	.24	0	NA	.22
5/20	87	62	75	1	231	431	.00	80	71	76	.22	0	NA	.22
5/21	93	64	79	4	250	460	.00	84	75	80	.29	0	NA	.25
5/22	92	61	77	2	267	487	.26	85	74	80	.20	20	NA	.25
5/23	80	50	65	-10	272	502	.00	80	71	76	NA	0	NA	.21
5/24	82	55	69	-6	281	521	.00	81	70	76	.22	0	NA	.21
5/25	87	59	73	-2	294	544	.00	82	72	77	.27	0	NA	.23
5/26	89	61	75	-1	309	569	.00	84	74	79	.33	0	NA	.24
5/27	92	64	78	2	327	597	.00	86	75	81	.28	4	NA	.24
5/28	93	66	80	4	347	627	.00	85	77	81	.21	1	NA	.25
5/29	87	57	72	-4	359	649	.02	84	77	81	NA	2	NA	.24
5/30	82	54	68	-8	367	667	.00	82	75	79	.35	0	NA	.21
5/31	85	56	71	-6	378	688	.00	84	74	79	.28	0	NA	.23

AIR TEMPERATURES (in degrees F):
Mean Maximum= 85.9 Mean Minimum= 57.9 Average= 71.9
DFN= +1.1 DFN= -3.9 DFN= -1.4
Highest= 94 Lowest= 45

PRECIPITATION STATISTICS (inches):
Total= 3.47 DFN= -.88 Greatest Daily= 1.12 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 86 Lowest= 59 Average= 76

AVERAGE DAILY VALUES:
Pan Evaporation= .26 (in) Hours of Wet Vegetation= 3.2
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .22 (in)

Daily Weather Observations: Wiregrass Substation, Headland

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
6/ 1	89	63	76	-1	16	26	.00	82	75	79	.26	NA	NA	.23
6/ 2	92	65	79	2	35	55	.30	84	79	82	.33	NA	NA	.24
6/ 3	90	66	78	1	53	83	.00	82	78	80	.07	NA	NA	.23
6/ 4	91	65	78	1	71	111	.10	84	77	81	.21	NA	NA	.24
6/ 5	89	63	76	-2	87	137	.00	84	77	81	.17	0	NA	.23
6/ 6	90	61	76	-2	103	163	.00	86	77	82	.32	0	NA	.24
6/ 7	95	68	82	4	125	195	.00	87	78	83	.29	5	NA	.25
6/ 8	95	67	81	3	146	226	.00	88	80	84	.29	0	NA	.26
6/ 9	89	65	77	-1	163	253	.98	83	79	81	.29	8	NA	.22
6/10	90	63	77	-1	180	280	.55	90	78	84	.15	19	NA	.24
6/11	91	64	78	-1	198	308	.00	86	77	82	.22	0	NA	.24
6/12	89	60	75	-4	213	333	.00	85	77	81	.39	0	NA	.24
6/13	91	62	77	-2	230	360	.00	91	62	77	.32	0	NA	.25
6/14	90	65	78	-1	248	388	.00	84	78	81	.30	3	NA	.23
6/15	90	65	78	-1	266	416	.00	85	78	82	.27	NA	NA	.23
6/16	93	78	86	7	292	452	.00	85	78	82	.24	3	NA	.21
6/17	92	70	81	2	313	483	.45	85	80	83	.33	8	NA	.23
6/18	93	67	80	1	333	513	.00	86	80	83	.18	5	NA	.24
6/19	93	70	82	3	355	545	.00	87	79	83	.25	0	NA	.23
6/20	95	65	80	0	375	575	.00	86	81	84	.27	4	NA	.26
6/21	97	68	83	3	398	608	.00	90	80	85	.27	7	NA	.27
6/22	97	69	83	3	421	641	.00	90	83	87	.31	0	NA	.26
6/23	86	62	74	-6	435	665	.31	85	79	82	.10	13	NA	.22
6/24	85	60	73	-7	448	688	.00	83	76	80	.15	NA	NA	.22
6/25	89	59	74	-6	462	712	.00	85	77	81	.30	NA	NA	.24
6/26	90	59	75	-5	477	737	.00	85	77	81	.33	0	NA	.25
6/27	95	62	79	-1	496	766	.00	85	77	81	.24	NA	NA	.27
6/28	95	63	79	-1	515	795	.00	85	79	82	.27	NA	NA	.27
6/29	96	61	79	-1	534	824	.05	85	79	82	.04	3	NA	.28
6/30	94	66	80	0	554	854	.00	86	81	84	NA	0	NA	.25

AIR TEMPERATURES (in degrees F):
Mean Maximum= 91.7 Mean Minimum= 64.7 Average= 78.2
DFN= +1.8 DFN= -2.9 DFN= -.6
Highest= 97 Lowest= 59

PRECIPITATION STATISTICS (inches):
Total= 2.74 DFN= -1.88 Greatest Daily= .98 Rain Days= 7

SOIL TEMPERATURES (in degrees F):
Highest= 91 Lowest= 62 Average= 82

AVERAGE DAILY VALUES:
Pan Evaporation= .25 (in) Hours of Wet Vegetation= 3.5
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .24 (in)

Daily Weather Observations: Wiregrass Substation, Headland

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
7/ 1	96	66	81	0	21	31	.00	86	81	84	.27	0	NA	.27
7/ 2	99	69	84	3	45	65	.00	89	81	85	.32	0	NA	.28
7/ 3	98	60	79	-2	64	94	.36	80	NA	NA	.35	5	NA	.30
7/ 4	94	60	77	-4	81	121	.15	87	79	83	.08	12	NA	.27
7/ 5	90	63	77	-4	98	148	.00	85	78	82	.25	4	NA	.24
7/ 6	94	67	81	0	119	179	.00	87	77	82	.26	2	NA	.25
7/ 7	95	69	82	1	141	211	.00	86	80	83	.30	0	NA	.25
7/ 8	101	69	85	4	166	246	.00	88	80	84	.30	0	NA	.29
7/ 9	100	66	83	2	189	279	.80	87	81	84	.27	14	NA	.29
7/10	94	68	81	0	210	310	.00	88	80	84	.25	NA	NA	.25
7/11	95	66	81	0	231	341	.00	88	81	85	.24	0	NA	.26
7/12	95	65	80	-1	251	371	.05	89	81	85	.20	9	NA	.26
7/13	90	65	78	-3	269	399	.36	84	80	82	.14	2	NA	.23
7/14	81	65	73	-7	282	422	.30	80	79	80	.12	9	NA	.17
7/15	88	59	74	-6	296	446	.00	84	77	81	.21	1	NA	.24
7/16	89	60	75	-5	311	471	.00	86	77	82	.20	1	NA	.24
7/17	92	65	79	-2	330	500	.00	83	79	81	.21	0	NA	.24
7/18	95	65	80	-1	350	530	.13	85	79	82	.20	6	NA	.26
7/19	92	66	79	-2	369	559	.67	86	79	83	.26	14	NA	.24
7/20	80	64	72	-9	381	581	.36	81	78	80	.07	12	NA	.17
7/21	91	66	79	-2	400	610	.00	85	78	82	.26	4	NA	.23
7/22	93	67	80	-1	420	640	.00	87	80	84	.27	3	NA	.24
7/23	94	69	82	1	442	672	.00	87	80	84	.25	1	NA	.24
7/24	93	65	79	-2	461	701	.00	87	81	84	.25	0	NA	.25
7/25	91	65	78	-3	479	729	.00	86	80	83	.26	0	NA	.23
7/26	94	65	80	-1	499	759	.00	86	81	84	.28	0	NA	.25
7/27	93	63	78	-3	517	787	.00	86	81	84	.22	0	NA	.25
7/28	94	61	78	-3	535	815	.00	86	80	83	.35	0	NA	.26
7/29	95	62	79	-2	554	844	.00	86	79	83	NA	0	NA	.27
7/30	96	64	80	-1	574	874	.00	88	81	85	NA	0	NA	.27
7/31	99	69	84	3	598	908	.00	89	82	86	.36	0	NA	.27

AIR TEMPERATURES (in degrees F):
Mean Maximum= 93.3 Mean Minimum= 64.9 Average= 79.1
DFN= +2.4 DFN= -5.1 DFN= -1.4
Highest= 101 Lowest= 59

PRECIPITATION STATISTICS (inches):
Total= 3.18 DFN= -2.77 Greatest Daily= .80 Rain Days= 9

SOIL TEMPERATURES (in degrees F):
Highest= 89 Lowest= 77 Average= 83

AVERAGE DAILY VALUES:
Pan Evaporation= .24 (in) Hours of Wet Vegetation= 3.3
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .25 (in)

Daily Weather Observations: Wiregrass Substation, Headland

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
8/ 1	99	67	83	2	23	33	.00	87	82	85	.25	0	NA	.28
8/ 2	99	66	83	2	46	66	.00	90	82	86	NA	NA	NA	.28
8/ 3	96	64	80	-1	66	96	.10	89	82	86	.16	NA	NA	.27
8/ 4	96	65	81	0	87	127	.00	89	81	85	.31	1	NA	.26
8/ 5	99	69	84	3	111	161	.00	88	81	85	.27	0	NA	.27
8/ 6	100	68	84	3	135	195	.00	90	83	87	.27	0	NA	.28
8/ 7	95	63	79	-2	154	224	.00	90	83	87	.32	0	NA	.26
8/ 8	95	64	80	-1	174	254	.00	90	82	86	.33	0	NA	.26
8/ 9	94	64	79	-2	193	283	.00	87	82	85	NA	2	NA	.25
8/10	89	59	74	-7	207	307	.00	86	81	84	.16	2	NA	.23
8/11	96	60	78	-3	225	335	.00	88	79	84	.26	0	NA	.27
8/12	98	63	81	0	246	366	.00	88	81	85	.28	0	NA	.28
8/13	98	63	81	0	267	397	.00	90	82	86	.32	0	NA	.28
8/14	95	65	80	-1	287	427	.00	89	82	86	.29	0	NA	.25
8/15	100	66	83	2	310	460	.00	90	82	86	.31	0	NA	.28
8/16	99	66	83	2	333	493	.00	89	84	87	.26	0	NA	.27
8/17	99	68	84	4	357	527	.00	90	84	87	.28	0	NA	.27
8/18	100	65	83	3	380	560	.00	89	83	86	.22	0	NA	.28
8/19	100	65	83	3	403	593	.00	89	82	86	.23	1	NA	.28
8/20	102	63	83	3	426	626	.49	90	82	86	.34	4	NA	.30
8/21	99	65	82	2	448	658	.05	81	81	81	.15	2	NA	.27
8/22	98	67	83	3	471	691	.00	87	80	84	.27	2	NA	.26
8/23	95	63	79	-1	490	720	.19	85	80	83	.16	3	NA	.25
8/24	96	66	81	1	511	751	.00	85	79	82	.16	0	NA	.25
8/25	95	66	81	1	532	782	.00	90	78	84	.34	3	NA	.24
8/26	92	60	76	-4	548	808	.00	87	81	84	.15	2	NA	.24
8/27	94	65	80	0	568	838	.00	85	81	83	.26	4	NA	.24
8/28	98	65	82	2	590	870	.26	85	80	83	.20	4	NA	.26
8/29	96	67	82	2	612	902	.00	86	79	83	.26	0	NA	.24
8/30	100	69	85	5	637	937	.00	86	81	84	.29	0	NA	.26
8/31	93	63	78	-2	655	965	.09	84	79	82	.14	5	NA	.24

AIR TEMPERATURES (in degrees F):
Mean Maximum= 96.9 Mean Minimum= 64.8 Average= 80.9
DFN= +6.4 DFN= -4.8 DFN= +.8
Highest= 102 Lowest= 59

PRECIPITATION STATISTICS (inches):
Total= 1.18 DFN= -3.78 Greatest Daily= .49 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 90 Lowest= 78 Average= 84

AVERAGE DAILY VALUES:
Pan Evaporation= .25 (in) Hours of Wet Vegetation= 1.2
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .26 (in)

Daily Weather Observations: Wiregrass Substation, Headland

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
9/ 1	86	63	75	-5	15	25	.00	80	79	80	.11	1	NA	.19
9/ 2	94	66	80	1	35	55	.06	84	78	81	.26	9	NA	.23
9/ 3	95	66	81	2	56	86	.00	85	79	82	.24	0	NA	.24
9/ 4	99	68	84	5	80	120	.00	86	79	83	.23	0	NA	.26
9/ 5	99	61	80	1	100	150	.00	87	81	84	.29	2	NA	.28
9/ 6	95	61	78	-1	118	178	.00	85	80	83	.14	0	NA	.25
9/ 7	97	62	80	1	138	208	.00	85	80	83	.29	3	NA	.26
9/ 8	95	66	81	2	159	239	.00	86	80	83	.28	0	NA	.23
9/ 9	100	66	83	4	182	272	.00	87	81	84	.23	0	NA	.27
9/10	98	64	81	3	203	303	.00	86	81	84	.26	0	NA	.26
9/11	98	64	81	3	224	334	.05	88	80	84	.26	2	NA	.26
9/12	96	63	80	2	244	364	.37	85	80	83	.15	11	NA	.25
9/13	92	63	78	0	262	392	.00	82	79	81	.31	0	NA	.22
9/14	94	65	80	2	282	422	.00	84	79	82	.21	10	NA	.23
9/15	93	64	79	2	301	451	.04	82	78	80	.12	3	NA	.22
9/16	95	65	80	3	321	481	.00	82	79	81	.16	1	NA	.23
9/17	95	54	75	-2	336	506	.00	82	76	79	.45	0	NA	.27
9/18	93	56	75	-2	351	531	.00	83	76	80	.25	0	NA	.25
9/19	95	57	76	-1	367	557	.00	82	78	80	.30	0	NA	.26
9/20	92	59	76	0	383	583	.00	82	77	80	.16	0	NA	.23
9/21	95	64	80	4	403	613	.00	82	78	80	.27	0	NA	.23
9/22	96	60	78	3	421	641	.00	84	77	81	.38	0	NA	.25
9/23	92	54	73	-2	434	664	.00	85	78	82	.11	0	NA	.24
9/24	83	40	62	-13	436	676	.00	79	74	77	.32	0	NA	.23
9/25	78	41	60	-14	436	686	.00	79	72	76	.19	0	NA	.19
9/26	82	43	63	-11	439	699	.00	76	71	74	.18	0	NA	.21
9/27	87	47	67	-7	446	716	.00	76	71	74	.20	0	NA	.23
9/28	92	50	71	-2	457	737	.00	78	70	74	.24	0	NA	.25
9/29	91	56	74	1	471	761	.00	78	71	75	.19	0	NA	.23
9/30	79	57	68	-5	479	779	.25	75	72	74	.03	16	NA	.15

AIR TEMPERATURES (in degrees F):
Mean Maximum= 92.5 Mean Minimum= 58.8 Average= 75.7
DFN= +5.4 DFN= -7.2 DFN= -.9
Highest= 100 Lowest= 40

PRECIPITATION STATISTICS (inches):
Total= .77 DFN= -3.31 Greatest Daily= .37 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 88 Lowest= 70 Average= 80

AVERAGE DAILY VALUES:
Pan Evaporation= .23 (in) Hours of Wet Vegetation= 1.9
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .24 (in)

Daily Weather Observations: Wiregrass Substation, Headland

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
10/ 1	86	67	77	5	17	27	.01	76	73	75	.13	6	NA	.16
10/ 2	90	57	74	2	31	51	.00	86	72	79	.17	4	NA	.21
10/ 3	92	58	75	4	46	76	.00	76	73	75	.21	0	NA	.22
10/ 4	91	61	76	5	62	102	.00	77	72	75	.21	0	NA	.21
10/ 5	89	55	72	1	74	124	.26	78	72	75	.16	12	NA	.21
10/ 6	89	55	72	2	86	146	.00	76	71	74	.20	0	NA	.21
10/ 7	89	58	74	4	100	170	.00	75	70	73	.15	0	NA	.20
10/ 8	93	61	77	8	117	197	.00	76	72	74	.20	0	NA	.22
10/ 9	92	62	77	8	134	224	.00	76	72	74	.20	0	NA	.20
10/10	92	57	75	6	149	249	.00	77	71	74	.20	0	NA	.22
10/11	75	54	65	-3	154	264	.10	73	70	72	.03	10	NA	.12
10/12	73	54	64	-4	158	278	.00	72	71	72	.07	3	NA	.11
10/13	85	54	70	2	168	298	.00	75	71	73	.22	0	NA	.18
10/14	86	47	67	0	175	315	.00	72	69	71	.18	0	NA	.21
10/15	85	47	66	-1	181	331	.00	71	68	70	.14	0	NA	.20
10/16	89	46	68	1	189	349	.00	71	68	70	.13	0	NA	.23
10/17	90	48	69	3	198	368	.00	71	66	69	.20	0	NA	.23
10/18	88	56	72	6	210	390	.88	72	66	69	.17	7	NA	.19
10/19	82	39	61	-5	211	401	.00	72	65	69	.35	0	NA	.21
10/20	73	40	57	-8	211	408	.00	65	62	64	.03	0	NA	.15
10/21	80	44	62	-3	213	420	.00	66	60	63	.09	0	NA	.18
10/22	82	51	67	3	220	437	.00	68	60	64	.19	5	NA	.17
10/23	75	54	65	1	225	452	.85	70	65	68	NA	17	NA	.11
10/24	66	43	55	-9	225	457	.00	69	64	67	NA	3	NA	.09
10/25	73	39	56	-7	225	463	.00	63	60	62	.11	0	NA	.14
10/26	62	30	46	-17	225	463	.00	60	57	59	.18	0	NA	.10
10/27	65	32	49	-14	225	463	.00	55	54	55	.06	0	NA	.11
10/28	70	32	51	-11	225	464	.00	55	54	55	.08	0	NA	.15
10/29	75	33	54	-8	225	468	.00	55	54	55	.11	0	NA	.17
10/30	74	36	55	-7	225	473	.00	55	54	55	.19	0	NA	.16
10/31	75	39	57	-5	225	480	.00	55	53	54	.09	0	NA	.15

AIR TEMPERATURES (in degrees F):
Mean Maximum= 81.5 Mean Minimum= 48.7 Average= 65.1
DFN= +2.9 DFN= -5.3 DFN= -1.2
Highest= 93 Lowest= 30

PRECIPITATION STATISTICS (inches):
Total= 2.10 DFN= -.23 Greatest Daily= .88 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 86 Lowest= 53 Average= 68

AVERAGE DAILY VALUES:
Pan Evaporation= .15 (in) Hours of Wet Vegetation= 2.2
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .17 (in)

Daily Weather Observations: Wiregrass Substation, Headland

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
11/ 1	75	44	60	-1	0	10	.00	53	52	53	.11	0	NA	.14
11/ 2	78	48	63	2	3	23	.00	57	54	56	.06	0	NA	.14
11/ 3	80	52	66	5	9	39	.00	68	55	62	.16	4	NA	.14
11/ 4	81	55	68	8	17	57	.00	59	57	58	.12	4	NA	.14
11/ 5	82	57	70	10	27	77	.00	68	61	65	.11	6	NA	.14
11/ 6	79	41	60	0	27	87	.13	61	57	59	NA	4	NA	.17
11/ 7	69	42	56	-3	27	93	.00	58	55	57	NA	0	NA	.10
11/ 8	73	46	60	1	27	103	.00	55	55	55	.11	NA	NA	.11
11/ 9	78	58	68	9	35	121	.00	69	55	62	.08	NA	NA	.11
11/10	69	48	59	1	35	130	1.65	61	58	60	NA	8	NA	.08
11/11	55	42	49	-9	35	130	.00	58	55	57	.03	NA	NA	.01
11/12	74	48	61	3	36	141	.00	NA	NA	NA	NA	0	NA	.11
11/13	74	48	61	4	37	152	.00	55	54	55	.09	NA	NA	.11
11/14	74	46	60	3	37	162	.00	51	50	51	.16	0	NA	.11
11/15	74	47	61	4	38	173	.00	54	50	52	.09	3	NA	.11
11/16	75	50	63	7	41	186	.00	55	53	54	.06	0	NA	.11
11/17	75	52	64	8	45	200	.00	56	52	54	.03	0	NA	.10
11/18	68	37	53	-3	45	203	.00	53	53	53	.03	0	NA	.10
11/19	64	39	52	-4	45	205	.00	54	52	53	.15	2	NA	.07
11/20	70	41	56	1	45	211	.00	52	49	51	.04	6	NA	.10
11/21	74	43	59	4	45	220	.00	54	51	53	.05	3	NA	.12
11/22	75	49	62	7	47	232	.00	54	53	54	.06	7	NA	.11
11/23	75	53	64	9	51	246	.00	55	52	54	.06	0	NA	.09
11/24	70	45	58	4	51	254	.00	56	56	56	.05	12	NA	.09
11/25	71	43	57	3	51	261	.00	56	52	54	.06	5	NA	.10
11/26	75	49	62	8	53	273	.00	56	51	54	.03	7	NA	.10
11/27	75	57	66	12	59	289	.00	59	56	58	.04	0	NA	.08
11/28	80	58	69	16	68	308	.00	59	58	59	.07	0	NA	.11
11/29	83	53	68	15	76	326	.02	63	59	61	.04	2	NA	.14
11/30	59	32	46	-7	76	326	.00	60	53	57	NA	0	NA	.06

AIR TEMPERATURES (in degrees F):
Mean Maximum= 73.5 Mean Minimum= 47.4 Average= 60.5
DFN= +4.7 DFN= +3.0 DFN= +3.9
Highest= 83 Lowest= 32

PRECIPITATION STATISTICS (inches):
Total= 1.80 DFN= -1.43 Greatest Daily= 1.65 Rain Days= 3

SOIL TEMPERATURES (in degrees F):
Highest= 69 Lowest= 49 Average= 56

AVERAGE DAILY VALUES:
Pan Evaporation= .08 (in) Hours of Wet Vegetation= 2.8
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .11 (in)

Daily Weather Observations: Wiregrass Substation, Headland

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
12/ 1	61	35	48	-5	0	0	.00	51	50	51	NA	NA	NA	.06
12/ 2	68	49	59	6	0	9	.00	53	50	52	.05	2	NA	.06
12/ 3	77	55	66	14	6	25	.00	55	52	54	.02	NA	NA	.10
12/ 4	68	39	54	2	6	29	.85	58	55	57	.15	15	NA	.09
12/ 5	50	28	39	-13	6	29	.00	55	50	53	NA	NA	NA	.01
12/ 6	55	30	43	-9	6	29	.00	49	47	48	NA	NA	NA	.03
12/ 7	59	34	47	-5	6	29	.06	49	47	48	NA	5	NA	.05
12/ 8	47	42	45	-7	6	29	.32	49	49	49	NA	17	NA	.00
12/ 9	56	33	45	-6	6	29	.00	50	47	49	.08	NA	NA	.03
12/10	61	32	47	-4	6	29	.00	48	45	47	.18	NA	NA	.07
12/11	65	38	52	1	6	31	.00	45	44	45	.03	NA	NA	.07
12/12	69	40	55	4	6	36	.00	46	45	46	.02	NA	NA	.09
12/13	65	44	55	4	6	41	.00	50	47	49	.10	7	NA	.05
12/14	75	49	62	11	8	53	.00	50	48	49	.05	6	NA	.10
12/15	76	53	65	14	13	68	.00	55	51	53	.01	8	NA	.09
12/16	74	55	65	15	18	83	.00	56	53	55	.01	9	NA	.07
12/17	72	52	62	12	20	95	.00	57	55	56	.03	6	NA	.07
12/18	72	52	62	12	22	107	.00	59	56	58	.11	2	NA	.07
12/19	77	56	67	17	29	124	.70	61	59	60	.03	10	NA	.09
12/20	61	56	59	9	29	133	.39	60	59	60	NA	20	NA	.00
12/21	76	55	66	16	35	149	.06	62	58	60	.10	16	NA	.09
12/22	73	55	64	15	39	163	.00	60	59	60	.12	NA	NA	.07
12/23	76	64	70	21	49	183	.00	63	61	62	NA	1	NA	.06
12/24	78	30	54	5	49	187	.78	60	57	59	NA	4	NA	.18
12/25	49	24	37	-12	49	187	.00	52	49	51	NA	NA	NA	.01
12/26	44	25	35	-14	49	187	.00	50	48	49	.12	NA	NA	.00
12/27	54	42	48	-1	49	187	.00	51	49	50	.10	NA	NA	.00
12/28	56	43	50	1	49	187	.00	52	51	52	.04	4	NA	.00
12/29	59	48	54	5	49	191	.08	55	51	53	.13	15	NA	.00
12/30	68	56	62	14	51	203	.03	58	53	56	.03	15	NA	.03
12/31	77	53	65	17	56	218	.03	60	58	59	.01	8	NA	.10

AIR TEMPERATURES (in degrees F):
Mean Maximum= 65.1 Mean Minimum= 44.1 Average= 54.6
DFN= +3.5 DFN= +5.5 DFN= +4.5
Highest= 78 Lowest= 24

PRECIPITATION STATISTICS (inches):
Total= 3.30 DFN= -1.58 Greatest Daily= .85 Rain Days= 10

SOIL TEMPERATURES (in degrees F):
Highest= 63 Lowest= 44 Average= 53

AVERAGE DAILY VALUES:
Pan Evaporation= .07 (in) Hours of Wet Vegetation= 5.5
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .06 (in)

Daily Weather Observations: Black Belt Substation, Marion Junction

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
1/ 1	65	32	49	3	0	0	.01	NA	NA	NA	NA	NA	NA	.09
1/ 2	65	32	49	3	0	0	.00	45	45	45	NA	NA	NA	.09
1/ 3	49	35	42	-4	0	0	.00	47	42	45	NA	NA	NA	.00
1/ 4	58	36	47	2	0	0	.05	50	45	48	NA	NA	NA	.03
1/ 5	61	53	57	12	0	7	.50	55	50	53	NA	NA	NA	.00
1/ 6	61	48	55	10	0	12	.90	55	50	53	NA	NA	NA	.01
1/ 7	61	48	55	10	0	17	.10	56	50	53	NA	NA	NA	.01
1/ 8	54	42	48	3	0	17	.42	56	50	53	NA	NA	NA	.00
1/ 9	53	37	45	0	0	17	.00	52	48	50	NA	NA	NA	.00
1/10	63	40	52	7	0	19	.00	53	48	51	NA	NA	NA	.05
1/11	63	35	49	4	0	19	.00	54	40	47	NA	NA	NA	.07
1/12	72	36	54	9	0	23	.00	51	46	49	NA	NA	NA	.12
1/13	51	27	39	-6	0	23	.00	50	42	46	NA	NA	NA	.02
1/14	50	25	38	-7	0	23	.00	50	42	46	NA	NA	NA	.02
1/15	57	29	43	-2	0	23	.00	47	41	44	NA	NA	NA	.05
1/16	67	39	53	8	0	26	.00	52	45	49	NA	NA	NA	.08
1/17	74	39	57	12	0	33	.00	55	46	51	NA	NA	NA	.13
1/18	76	53	65	20	5	48	1.50	59	52	56	NA	NA	NA	.10
1/19	65	57	61	16	6	59	.05	55	55	55	NA	NA	NA	.01
1/20	72	49	61	16	7	70	.00	59	55	57	NA	NA	NA	.08
1/21	74	48	61	16	8	81	1.65	62	58	60	NA	NA	NA	.10
1/22	52	33	43	-2	8	81	.00	59	50	55	NA	NA	NA	.01
1/23	61	32	47	1	8	81	.00	56	50	53	NA	NA	NA	.07
1/24	67	34	51	5	8	82	.10	54	45	50	NA	NA	NA	.10
1/25	57	54	56	10	8	88	4.55	55	55	55	NA	NA	NA	.00
1/26	57	31	44	-2	8	88	.00	56	47	52	NA	NA	NA	.05
1/27	54	31	43	-3	8	88	.02	54	45	50	NA	NA	NA	.03
1/28	67	36	52	6	8	90	.00	55	44	50	NA	NA	NA	.10
1/29	70	55	63	17	11	103	.18	55	44	50	NA	NA	NA	.06
1/30	65	29	47	1	11	103	.40	55	45	50	NA	NA	NA	.11
1/31	54	29	42	-4	11	103	.00	51	46	49	NA	NA	NA	.04

AIR TEMPERATURES (in degrees F):
Mean Maximum= 61.8 Mean Minimum= 38.8 Average= 50.3
DFN= +5.8 DFN= +4.5 DFN= +5.1
Highest= 76 Lowest= 25

PRECIPITATION STATISTICS (inches):
Total= 10.43 DFN= +5.42 Greatest Daily= 4.55 Rain Days= 14

SOIL TEMPERATURES (in degrees F):
Highest= 62 Lowest= 40 Average= 51

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .05 (in)

Daily Weather Observations: Black Belt Substation, Marion Junction

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
2/ 1	66	33	50	4	0	0	.00	56	46	51	NA	NA	NA	.10
2/ 2	65	46	56	9	0	6	.07	55	49	52	NA	NA	NA	.06
2/ 3	76	64	70	23	10	26	.01	61	57	59	NA	NA	NA	.07
2/ 4	78	53	66	19	16	42	1.05	66	64	65	NA	NA	NA	.12
2/ 5	53	35	44	-3	16	42	.00	64	52	58	NA	NA	NA	.02
2/ 6	59	35	47	0	16	42	.00	59	50	55	NA	NA	NA	.06
2/ 7	60	42	51	4	16	43	.30	55	49	52	NA	NA	NA	.04
2/ 8	65	44	55	7	16	48	.00	61	55	58	NA	NA	NA	.07
2/ 9	64	45	55	7	16	53	.57	59	53	56	NA	NA	NA	.06
2/10	71	54	63	15	19	66	1.22	64	58	61	NA	NA	NA	.08
2/11	63	40	52	4	19	68	.00	61	54	58	NA	NA	NA	.07
2/12	63	37	50	2	19	68	.00	61	54	58	NA	NA	NA	.08
2/13	74	38	56	8	19	74	.00	61	52	57	NA	NA	NA	.15
2/14	73	44	59	11	19	83	.00	60	52	56	NA	NA	NA	.12
2/15	74	59	67	19	26	100	.57	62	57	60	NA	NA	NA	.08
2/16	72	64	68	19	34	118	2.57	65	63	64	NA	NA	NA	.06
2/17	70	40	55	6	34	123	.38	65	56	61	NA	NA	NA	.12
2/18	58	50	54	5	34	127	.40	65	55	60	NA	NA	NA	.01
2/19	58	43	51	2	34	128	.53	66	55	61	NA	NA	NA	.04
2/20	57	42	50	0	34	128	.00	58	53	56	NA	NA	NA	.03
2/21	67	42	55	5	34	133	.00	61	54	58	NA	NA	NA	.10
2/22	66	49	58	8	34	141	.80	59	54	57	NA	NA	NA	.07
2/23	70	51	61	11	35	152	.00	63	59	61	NA	NA	NA	.09
2/24	52	35	44	-7	35	152	.00	59	50	55	NA	NA	NA	.03
2/25	64	33	49	-2	35	152	.00	59	49	54	NA	NA	NA	.11
2/26	51	31	41	-10	35	152	.00	55	46	51	NA	NA	NA	.04
2/27	61	32	47	-4	35	152	.00	56	46	51	NA	NA	NA	.10
2/28	69	43	56	5	35	158	.00	60	47	54	NA	NA	NA	.11

AIR TEMPERATURES (in degrees F):
Mean Maximum= 65.0 Mean Minimum= 43.7 Average= 54.3
DFN= +4.6 DFN= +7.1 DFN= +5.8
Highest= 78 Lowest= 31

PRECIPITATION STATISTICS (inches):
Total= 8.47 DFN= +3.87 Greatest Daily= 2.57 Rain Days= 12

SOIL TEMPERATURES (in degrees F):
Highest= 66 Lowest= 46 Average= 57

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .07 (in)

Daily Weather Observations: Black Belt Substation, Marion Junction

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
3/ 1	70	43	57	5	0	7	.00	61	47	54	NA	NA	NA	.12
3/ 2	71	50	61	9	1	18	.20	62	55	59	NA	NA	NA	.11
3/ 3	65	43	54	2	1	22	.37	61	55	58	NA	NA	NA	.09
3/ 4	65	39	52	-1	1	24	.00	61	53	57	NA	NA	NA	.10
3/ 5	65	38	52	-1	1	26	.00	61	52	57	NA	NA	NA	.11
3/ 6	69	39	54	1	1	30	.00	62	52	57	NA	NA	NA	.13
3/ 7	74	42	58	5	1	38	.00	63	53	58	NA	NA	NA	.15
3/ 8	74	54	64	10	5	52	.00	63	53	58	NA	NA	NA	.12
3/ 9	60	51	56	2	5	58	.00	63	58	61	NA	NA	NA	.04
3/10	75	53	64	10	9	72	.01	65	57	61	NA	NA	NA	.13
3/11	81	53	67	13	16	89	.00	72	62	67	NA	NA	NA	.17
3/12	81	55	68	13	24	107	.00	70	62	66	NA	NA	NA	.16
3/13	79	56	68	13	32	125	.00	70	61	66	NA	NA	NA	.15
3/14	82	54	68	13	40	143	.00	70	60	65	NA	NA	NA	.17
3/15	80	58	69	14	49	162	.00	72	61	67	NA	NA	NA	.15
3/16	70	55	63	7	52	175	6.40	65	65	65	NA	NA	NA	.10
3/17	59	49	54	-2	52	179	1.70	65	60	63	NA	NA	NA	.05
3/18	70	41	56	0	52	185	.00	77	59	68	NA	NA	NA	.14
3/19	71	42	57	0	52	192	.00	76	56	66	NA	NA	NA	.15
3/20	65	31	48	-9	52	192	.00	62	55	59	NA	NA	NA	.14
3/21	55	30	43	-14	52	192	.00	60	50	55	NA	NA	NA	.08
3/22	65	33	49	-9	52	192	.00	63	49	56	NA	NA	NA	.14
3/23	73	34	54	-4	52	196	.00	62	52	57	NA	NA	NA	.19
3/24	77	51	64	6	56	210	.00	70	56	63	NA	NA	NA	.16
3/25	77	50	64	5	60	224	.00	72	60	66	NA	NA	NA	.16
3/26	77	48	63	4	63	237	.00	71	59	65	NA	NA	NA	.17
3/27	59	38	49	-10	63	237	.00	69	59	64	NA	NA	NA	.09
3/28	69	41	55	-4	63	242	.00	70	52	61	NA	NA	NA	.14
3/29	69	53	61	1	64	253	.25	72	60	66	NA	NA	NA	.11
3/30	69	53	61	1	65	264	.85	67	63	65	NA	NA	NA	.11
3/31	71	56	64	4	69	278	.13	74	63	69	NA	NA	NA	.11

AIR TEMPERATURES (in degrees F):
Mean Maximum= 70.5 Mean Minimum= 46.2 Average= 58.4
DFN= +2.6 DFN= +2.7 DFN= +2.7
Highest= 82 Lowest= 30

PRECIPITATION STATISTICS (inches):
Total= 9.91 DFN= +3.09 Greatest Daily= 6.40 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 77 Lowest= 47 Average= 62

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .13 (in)

Daily Weather Observations: Black Belt Substation, Marion Junction

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
4/ 1	76	55	66	5	6	16	.00	75	66	71	NA	NA	NA	.15
4/ 2	78	54	66	5	12	32	1.45	74	65	70	NA	NA	NA	.16
4/ 3	73	42	58	-3	12	40	.00	70	65	68	NA	NA	NA	.17
4/ 4	60	39	50	-12	12	40	.00	65	58	62	NA	NA	NA	.10
4/ 5	67	39	53	-9	12	43	.00	66	56	61	NA	NA	NA	.14
4/ 6	80	51	66	4	18	59	.00	72	59	66	NA	NA	NA	.19
4/ 7	71	34	53	-10	18	62	.30	68	55	62	NA	NA	NA	.19
4/ 8	61	34	48	-15	18	62	.00	69	55	62	NA	NA	NA	.12
4/ 9	65	40	53	-10	18	65	.00	67	55	61	NA	NA	NA	.13
4/10	76	40	58	-5	18	73	.00	72	50	61	NA	NA	NA	.20
4/11	78	51	65	1	23	88	.35	70	62	66	NA	NA	NA	.18
4/12	62	39	51	-13	23	89	.00	69	59	64	NA	NA	NA	.12
4/13	64	37	51	-13	23	90	.00	69	55	62	NA	NA	NA	.14
4/14	70	38	54	-10	23	94	.00	72	56	64	NA	NA	NA	.17
4/15	74	48	61	-4	24	105	1.35	72	62	67	NA	NA	NA	.16
4/16	75	48	62	-3	26	117	.00	73	62	68	NA	NA	NA	.17
4/17	78	48	63	-2	29	130	.00	75	65	70	NA	NA	NA	.19
4/18	82	44	63	-2	32	143	.13	76	62	69	NA	NA	NA	.23
4/19	75	45	60	-6	32	153	.00	76	65	71	NA	NA	NA	.18
4/20	67	54	61	-5	33	164	.00	71	64	68	NA	NA	NA	.10
4/21	78	56	67	1	40	181	.00	72	64	68	NA	NA	NA	.17
4/22	81	55	68	2	48	199	.00	75	66	71	NA	NA	NA	.19
4/23	82	59	71	4	59	220	.00	80	64	72	NA	NA	NA	.19
4/24	83	59	71	4	70	241	.00	84	71	78	NA	NA	NA	.19
4/25	80	59	70	3	80	261	.00	81	71	76	NA	NA	NA	.17
4/26	82	55	69	2	89	280	.00	82	72	77	NA	NA	NA	.20
4/27	85	55	70	2	99	300	.00	85	70	78	NA	NA	NA	.22
4/28	82	57	70	2	109	320	.92	85	70	78	NA	NA	NA	.19
4/29	82	51	67	-1	116	337	.00	85	71	78	NA	NA	NA	.21
4/30	85	51	68	0	124	355	.00	82	66	74	NA	NA	NA	.23

AIR TEMPERATURES (in degrees F):
Mean Maximum= 75.1 Mean Minimum= 47.9 Average= 61.5
DFN= -1.8 DFN= -3.8 DFN= -2.8
Highest= 85 Lowest= 34

PRECIPITATION STATISTICS (inches):
Total= 4.50 DFN= -.92 Greatest Daily= 1.45 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 85 Lowest= 50 Average= 69

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .17 (in)

Daily Weather Observations: Black Belt Substation, Marion Junction

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
5/ 1	89	66	78	10	18	28	.00	84	70	77	NA	NA	NA	.21
5/ 2	87	65	76	7	34	54	.00	86	74	80	NA	NA	NA	.20
5/ 3	85	66	76	7	50	80	.00	86	75	81	NA	NA	NA	.19
5/ 4	90	66	78	9	68	108	.00	88	73	81	NA	NA	NA	.22
5/ 5	80	69	75	6	83	133	.02	82	77	80	NA	NA	NA	.15
5/ 6	71	49	60	-9	83	143	.00	80	69	75	NA	NA	NA	.15
5/ 7	70	48	59	-10	83	152	.00	76	69	73	NA	NA	NA	.15
5/ 8	76	49	63	-7	86	165	.00	81	71	76	NA	NA	NA	.19
5/ 9	79	53	66	-4	92	181	.50	80	65	73	NA	NA	NA	.19
5/10	71	46	59	-11	92	190	.55	NA	NA	NA	NA	NA	NA	.16
5/11	71	46	59	-11	92	199	.00	78	70	74	NA	NA	NA	.16
5/12	73	49	61	-9	93	210	.00	79	66	73	NA	NA	NA	.17
5/13	80	60	70	-1	103	230	1.57	75	65	70	NA	NA	NA	.18
5/14	75	59	67	-4	110	247	.02	75	70	73	NA	NA	NA	.15
5/15	85	60	73	2	123	270	.25	81	69	75	NA	NA	NA	.21
5/16	88	65	77	6	140	297	.00	85	74	80	NA	NA	NA	.21
5/17	88	66	77	5	157	324	.00	85	74	80	NA	NA	NA	.21
5/18	82	54	68	-4	165	342	.00	82	72	77	NA	NA	NA	.21
5/19	85	55	70	-2	175	362	.00	83	71	77	NA	NA	NA	.23
5/20	85	69	77	5	192	389	.25	84	70	77	NA	NA	NA	.18
5/21	88	55	72	0	204	411	1.60	84	75	80	NA	NA	NA	.25
5/22	78	61	70	-3	214	431	.15	78	72	75	NA	NA	NA	.16
5/23	72	57	65	-8	219	446	.00	79	70	75	NA	NA	NA	.14
5/24	72	53	63	-10	222	459	.00	76	69	73	NA	NA	NA	.15
5/25	81	55	68	-5	230	477	.00	79	65	72	NA	NA	NA	.20
5/26	84	65	75	1	245	502	.00	85	72	79	NA	NA	NA	.19
5/27	85	65	75	1	260	527	.00	85	72	79	NA	NA	NA	.20
5/28	87	64	76	2	276	553	.06	88	70	79	NA	NA	NA	.21
5/29	80	58	69	-5	285	572	.00	84	75	80	NA	NA	NA	.19
5/30	80	55	68	-7	293	590	.00	85	74	80	NA	NA	NA	.20
5/31	82	58	70	-5	303	610	.05	86	71	79	NA	NA	NA	.20

AIR TEMPERATURES (in degrees F):
Mean Maximum= 80.6 Mean Minimum= 58.3 Average= 69.4
DFN= -2.8 DFN= -.9 DFN= -1.9
Highest= 90 Lowest= 46

PRECIPITATION STATISTICS (inches):
Total= 5.02 DFN= +1.09 Greatest Daily= 1.60 Rain Days= 11

SOIL TEMPERATURES (in degrees F):
Highest= 88 Lowest= 65 Average= 76

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .19 (in)

Daily Weather Observations: Black Belt Substation, Marion Junction

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
6/ 1	80	63	72	-3	12	22	.10	72	71	72	NA	NA	NA	.17
6/ 2	84	67	76	0	28	48	.08	84	74	79	NA	NA	NA	.19
6/ 3	88	69	79	3	47	77	.00	89	73	81	NA	NA	NA	.21
6/ 4	89	68	79	3	66	106	.00	89	69	79	NA	NA	NA	.22
6/ 5	85	60	73	-3	79	129	.00	89	78	84	NA	NA	NA	.22
6/ 6	87	62	75	-1	94	154	.00	91	75	83	NA	NA	NA	.22
6/ 7	92	68	80	3	114	184	.02	90	80	85	NA	NA	NA	.23
6/ 8	92	69	81	4	135	215	.00	94	80	87	NA	NA	NA	.23
6/ 9	92	69	81	4	156	246	.00	95	81	88	NA	NA	NA	.23
6/10	92	70	81	4	177	277	.00	95	81	88	NA	NA	NA	.23
6/11	92	66	79	1	196	306	.00	91	82	87	NA	NA	NA	.24
6/12	92	61	77	-1	213	333	.00	92	80	86	NA	NA	NA	.26
6/13	89	64	77	-1	230	360	.00	93	79	86	NA	NA	NA	.23
6/14	89	66	78	0	248	388	.00	91	82	87	NA	NA	NA	.22
6/15	91	69	80	2	268	418	.00	92	80	86	NA	NA	NA	.23
6/16	94	70	82	3	290	450	.40	92	82	87	NA	NA	NA	.24
6/17	94	73	84	5	314	484	.00	90	82	86	NA	NA	NA	.23
6/18	89	72	81	2	335	515	.00	92	82	87	NA	NA	NA	.20
6/19	93	71	82	3	357	547	.00	94	84	89	NA	NA	NA	.23
6/20	93	66	80	1	377	577	.00	94	84	89	NA	NA	NA	.25
6/21	95	69	82	3	399	609	.00	92	80	86	NA	NA	NA	.25
6/22	94	72	83	4	422	642	.15	92	82	87	NA	NA	NA	.24
6/23	94	68	81	1	443	673	.82	91	80	86	NA	NA	NA	.25
6/24	85	61	73	-7	456	696	.00	86	78	82	NA	NA	NA	.21
6/25	85	61	73	-7	469	719	.00	86	79	83	NA	NA	NA	.21
6/26	86	61	74	-6	483	743	.00	89	78	84	NA	NA	NA	.22
6/27	89	64	77	-3	500	770	.00	90	77	84	NA	NA	NA	.23
6/28	93	64	79	-1	519	799	.00	90	72	81	NA	NA	NA	.25
6/29	94	68	81	1	540	830	.00	91	81	86	NA	NA	NA	.25
6/30	93	71	82	2	562	862	.00	91	80	86	NA	NA	NA	.23

AIR TEMPERATURES (in degrees F):
Mean Maximum= 90.2 Mean Minimum= 66.7 Average= 78.5
DFN= +.6 DFN= +.5 DFN= +.6
Highest= 95 Lowest= 60

PRECIPITATION STATISTICS (inches):
Total= 1.57 DFN= -2.54 Greatest Daily= .82 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 95 Lowest= 69 Average= 85

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .23 (in)

Daily Weather Observations: Black Belt Substation, Marion Junction

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
7/ 1	94	71	83	3	23	33	.00	93	81	87	NA	NA	NA	.24
7/ 2	94	72	83	3	46	66	.00	93	82	88	NA	NA	NA	.23
7/ 3	94	68	81	1	67	97	1.04	82	NA	NA	NA	NA	NA	.25
7/ 4	90	67	79	-1	86	126	.00	87	79	83	NA	NA	NA	.22
7/ 5	90	70	80	0	106	156	.00	87	80	84	NA	NA	NA	.22
7/ 6	91	67	79	-1	125	185	.00	89	80	85	NA	NA	NA	.23
7/ 7	91	74	83	2	148	218	.00	92	80	86	NA	NA	NA	.21
7/ 8	94	73	84	3	172	252	.00	93	82	88	NA	NA	NA	.23
7/ 9	96	72	84	3	196	286	.00	94	81	88	NA	NA	NA	.25
7/10	89	72	81	0	217	317	.00	91	85	88	NA	NA	NA	.20
7/11	94	72	83	2	240	350	.00	92	82	87	NA	NA	NA	.23
7/12	92	72	82	1	262	382	.76	92	82	87	NA	NA	NA	.22
7/13	88	71	80	-1	282	412	.45	88	80	84	NA	NA	NA	.20
7/14	81	70	76	-5	298	438	.45	83	81	82	NA	NA	NA	.16
7/15	82	67	75	-6	313	463	.00	85	80	83	NA	NA	NA	.17
7/16	84	65	75	-6	328	488	.00	85	80	83	NA	NA	NA	.19
7/17	86	66	76	-5	344	514	.10	85	79	82	NA	NA	NA	.20
7/18	79	70	75	-6	359	539	.05	84	79	82	NA	NA	NA	.14
7/19	87	70	79	-2	378	568	.00	85	80	83	NA	NA	NA	.19
7/20	86	71	79	-2	397	597	.02	88	82	85	NA	NA	NA	.18
7/21	86	70	78	-3	415	625	.00	82	80	81	NA	NA	NA	.19
7/22	90	70	80	-1	435	655	.35	86	80	83	NA	NA	NA	.21
7/23	92	73	83	2	458	688	.00	86	84	85	NA	NA	NA	.21
7/24	92	69	81	0	479	719	.02	89	82	86	NA	NA	NA	.23
7/25	85	69	77	-4	496	746	.30	86	81	84	NA	NA	NA	.18
7/26	87	68	78	-3	514	774	.00	87	80	84	NA	NA	NA	.20
7/27	89	69	79	-2	533	803	.00	88	80	84	NA	NA	NA	.21
7/28	90	69	80	-1	553	833	.00	88	81	85	NA	NA	NA	.21
7/29	90	69	80	-1	573	863	.00	89	81	85	NA	NA	NA	.21
7/30	91	71	81	0	594	894	.00	89	81	85	NA	NA	NA	.21
7/31	95	71	83	2	617	927	.00	89	81	85	NA	NA	NA	.24

AIR TEMPERATURES (in degrees F):
Mean Maximum= 89.3 DFN= -2.5 Mean Minimum= 69.9 DFN= +.6 Average= 79.6 DFN= -.9
Highest= 96 Lowest= 65

PRECIPITATION STATISTICS (inches):
Total= 3.54 DFN= -1.15 Greatest Daily= 1.04 Rain Days= 10

SOIL TEMPERATURES (in degrees F):
Highest= 94 Lowest= 79 Average= 85

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .21 (in)

Daily Weather Observations: Black Belt Substation, Marion Junction

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
8/ 1	95	71	83	2	23	33	.08	90	85	88	NA	NA	NA	.24
8/ 2	95	72	84	3	47	67	.00	89	84	87	NA	NA	NA	.23
8/ 3	91	71	81	0	68	98	.00	88	85	87	NA	NA	NA	.21
8/ 4	90	71	81	0	89	129	.00	89	85	87	NA	NA	NA	.20
8/ 5	94	72	83	2	112	162	.00	90	83	87	NA	NA	NA	.23
8/ 6	96	72	84	3	136	196	.00	91	82	87	NA	NA	NA	.24
8/ 7	90	69	80	-1	156	226	.00	90	85	88	NA	NA	NA	.21
8/ 8	88	61	75	-6	171	251	.00	89	82	86	NA	NA	NA	.22
8/ 9	86	60	73	-8	184	274	.00	89	82	86	NA	NA	NA	.21
8/10	87	58	73	-8	197	297	.00	89	81	85	NA	NA	NA	.22
8/11	89	62	76	-5	213	323	.00	89	81	85	NA	NA	NA	.22
8/12	89	62	76	-5	229	349	.00	89	81	85	NA	NA	NA	.22
8/13	96	62	79	-2	248	378	.00	89	80	85	NA	NA	NA	.27
8/14	94	67	81	0	269	409	.00	89	80	85	NA	NA	NA	.24
8/15	95	69	82	1	291	441	.00	90	82	86	NA	NA	NA	.24
8/16	96	71	84	3	315	475	.00	90	82	86	NA	NA	NA	.24
8/17	97	72	85	4	340	510	.02	91	82	87	NA	NA	NA	.24
8/18	98	72	85	5	365	545	.00	91	84	88	NA	NA	NA	.25
8/19	98	71	85	5	390	580	.00	91	84	88	NA	NA	NA	.25
8/20	99	71	85	5	415	615	.00	91	84	88	NA	NA	NA	.25
8/21	97	71	84	4	439	649	.00	92	85	89	NA	NA	NA	.24
8/22	96	71	84	4	463	683	.00	91	85	88	NA	NA	NA	.23
8/23	97	70	84	4	487	717	.55	90	84	87	NA	NA	NA	.24
8/24	92	71	82	2	509	749	.00	89	84	87	NA	NA	NA	.21
8/25	93	71	82	2	531	781	.00	89	84	87	NA	NA	NA	.21
8/26	96	71	84	4	555	815	.15	89	84	87	NA	NA	NA	.23
8/27	96	71	84	5	579	849	.00	90	82	86	NA	NA	NA	.23
8/28	95	73	84	5	603	883	.00	91	84	88	NA	NA	NA	.22
8/29	98	73	86	7	629	919	.00	91	84	88	NA	NA	NA	.24
8/30	99	75	87	8	656	956	.00	91	84	88	NA	NA	NA	.24
8/31	77	64	71	-8	667	977	.50	86	80	83	NA	NA	NA	.13

AIR TEMPERATURES (in degrees F):
Mean Maximum= 93.5 Mean Minimum= 68.9 Average= 81.2
DFN= +2.1 DFN= +.1 DFN= +1.1
Highest= 99 Lowest= 58

PRECIPITATION STATISTICS (inches):
Total= 1.30 DFN= -2.23 Greatest Daily= .55 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 92 Lowest= 80 Average= 86

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .23 (in)

Daily Weather Observations: Black Belt Substation, Marion Junction

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
9/ 1	89	64	77	-2	17	27	.00	84	78	81	NA	NA	NA	.21
9/ 2	92	70	81	2	38	58	.00	88	74	81	NA	NA	NA	.21
9/ 3	94	69	82	4	60	90	.00	88	74	81	NA	NA	NA	.22
9/ 4	94	73	84	6	84	124	.00	89	81	85	NA	NA	NA	.21
9/ 5	97	71	84	6	108	158	.00	88	82	85	NA	NA	NA	.23
9/ 6	97	71	84	6	132	192	.00	90	83	87	NA	NA	NA	.23
9/ 7	95	71	83	5	155	225	.00	90	83	87	NA	NA	NA	.22
9/ 8	95	72	84	6	179	259	.00	90	83	87	NA	NA	NA	.21
9/ 9	95	69	82	5	201	291	.00	89	83	86	NA	NA	NA	.22
9/10	96	68	82	5	223	323	.00	89	82	86	NA	NA	NA	.23
9/11	96	70	83	6	246	356	.00	89	83	86	NA	NA	NA	.22
9/12	94	69	82	5	268	388	.00	92	84	88	NA	NA	NA	.21
9/13	93	70	82	5	290	420	.65	91	82	87	NA	NA	NA	.20
9/14	90	71	81	5	311	451	.04	86	80	83	NA	NA	NA	.18
9/15	92	71	82	6	333	483	.00	88	80	84	NA	NA	NA	.19
9/16	93	69	81	5	354	514	.00	90	80	85	NA	NA	NA	.21
9/17	90	58	74	-2	368	538	.00	90	80	85	NA	NA	NA	.22
9/18	89	57	73	-2	381	561	.00	85	80	83	NA	NA	NA	.22
9/19	91	57	74	-1	395	585	.00	86	76	81	NA	NA	NA	.23
9/20	91	62	77	2	412	612	.00	88	78	83	NA	NA	NA	.21
9/21	93	69	81	7	433	643	.00	88	80	84	NA	NA	NA	.20
9/22	94	71	83	9	456	676	.00	88	80	84	NA	NA	NA	.20
9/23	90	55	73	-1	469	699	.00	89	78	84	NA	NA	NA	.23
9/24	89	45	67	-6	476	716	.00	89	75	82	NA	NA	NA	.25
9/25	73	45	59	-14	476	725	.00	82	72	77	NA	NA	NA	.15
9/26	79	44	62	-10	478	737	.00	82	70	76	NA	NA	NA	.19
9/27	85	44	65	-7	483	752	.00	85	70	78	NA	NA	NA	.23
9/28	90	50	70	-1	493	772	.00	84	71	78	NA	NA	NA	.24
9/29	91	60	76	5	509	798	.02	85	72	79	NA	NA	NA	.21
9/30	86	61	74	3	523	822	.00	83	78	81	NA	NA	NA	.18

AIR TEMPERATURES (in degrees F):
Mean Maximum= 91.1 Mean Minimum= 63.2 Average= 77.1
DFN= +4.4 DFN= -.7 DFN= +1.9
Highest= 97 Lowest= 44

PRECIPITATION STATISTICS (inches):
Total= .71 DFN= -2.84 Greatest Daily= .65 Rain Days= 3

SOIL TEMPERATURES (in degrees F):
Highest= 92 Lowest= 70 Average= 83

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .21 (in)

Daily Weather Observations: Black Belt Substation, Marion Junction

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
10/ 1	86	61	74	4	14	24	.00	83	78	81	NA	NA	NA	.17
10/ 2	88	61	75	5	29	49	.00	85	76	81	NA	NA	NA	.19
10/ 3	91	62	77	7	46	76	.00	85	75	80	NA	NA	NA	.20
10/ 4	91	66	79	10	65	105	.17	84	77	81	NA	NA	NA	.19
10/ 5	82	56	69	1	74	124	.30	81	75	78	NA	NA	NA	.16
10/ 6	87	53	70	2	84	144	.00	80	74	77	NA	NA	NA	.20
10/ 7	88	53	71	4	95	165	.00	80	72	76	NA	NA	NA	.21
10/ 8	92	68	80	13	115	195	.00	82	75	79	NA	NA	NA	.18
10/ 9	90	65	78	11	133	223	.00	84	79	82	NA	NA	NA	.18
10/10	89	58	74	8	147	247	.00	83	78	81	NA	NA	NA	.20
10/11	70	52	61	-5	148	258	.00	84	74	79	NA	NA	NA	.09
10/12	74	53	64	-2	152	272	.00	84	71	78	NA	NA	NA	.12
10/13	78	55	67	2	159	289	.10	83	71	77	NA	NA	NA	.13
10/14	78	54	66	1	165	305	.00	78	70	74	NA	NA	NA	.14
10/15	80	44	62	-2	167	317	.00	78	69	74	NA	NA	NA	.18
10/16	85	47	66	2	173	333	.00	78	67	73	NA	NA	NA	.20
10/17	89	51	70	6	183	353	.00	78	70	74	NA	NA	NA	.21
10/18	82	62	72	9	195	375	.70	74	71	73	NA	NA	NA	.13
10/19	71	43	57	-6	195	382	.00	78	65	72	NA	NA	NA	.12
10/20	70	42	56	-7	195	388	.00	71	62	67	NA	NA	NA	.12
10/21	77	49	63	1	198	401	.00	71	62	67	NA	NA	NA	.14
10/22	74	54	64	2	202	415	.02	70	62	66	NA	NA	NA	.10
10/23	70	55	63	1	205	428	.92	71	69	70	NA	NA	NA	.07
10/24	62	45	54	-7	205	432	.00	69	64	67	NA	NA	NA	.05
10/25	68	44	56	-5	205	438	.00	69	61	65	NA	NA	NA	.10
10/26	60	39	50	-11	205	438	.00	63	59	61	NA	NA	NA	.06
10/27	69	33	51	-9	205	439	.00	61	55	58	NA	NA	NA	.13
10/28	69	42	56	-4	205	445	.00	61	56	59	NA	NA	NA	.11
10/29	75	35	55	-4	205	450	.00	64	56	60	NA	NA	NA	.16
10/30	71	37	54	-5	205	454	.00	64	56	60	NA	NA	NA	.13
10/31	73	37	55	-4	205	459	.00	65	56	61	NA	NA	NA	.14

AIR TEMPERATURES (in degrees F):
Mean Maximum= 78.4 DFN= +1.3 Mean Minimum= 50.8 DFN= +.1 Average= 64.6 DFN= +.7
Highest= 92 Lowest= 33

PRECIPITATION STATISTICS (inches):
Total= 2.21 DFN= -.54 Greatest Daily= .92 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 85 Lowest= 55 Average= 72

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .15 (in)

Daily Weather Observations: Black Belt Substation, Marion Junction

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
11/ 1	75	37	56	-2	0	6	.00	65	56	61	NA	NA	NA	.16
11/ 2	77	40	59	1	0	15	.00	65	63	64	NA	NA	NA	.16
11/ 3	79	43	61	3	1	26	.00	65	60	63	NA	NA	NA	.16
11/ 4	82	43	63	6	4	39	.00	65	61	63	NA	NA	NA	.18
11/ 5	79	50	65	8	9	54	.00	68	62	65	NA	NA	NA	.14
11/ 6	69	45	57	0	9	61	.40	65	60	63	NA	NA	NA	.09
11/ 7	63	37	50	-6	9	61	.00	65	57	61	NA	NA	NA	.08
11/ 8	69	37	53	-3	9	64	.00	64	56	60	NA	NA	NA	.11
11/ 9	68	41	55	-1	9	69	.50	65	55	60	NA	NA	NA	.09
11/10	62	43	53	-2	9	72	1.00	60	58	59	NA	NA	NA	.05
11/11	69	38	54	-1	9	76	.00	60	55	58	NA	NA	NA	.11
11/12	70	36	53	-2	9	79	.00	60	56	58	NA	NA	NA	.12
11/13	75	40	58	4	9	87	.00	60	52	56	NA	NA	NA	.14
11/14	74	41	58	4	9	95	.00	62	56	59	NA	NA	NA	.13
11/15	74	41	58	4	9	103	.00	62	55	59	NA	NA	NA	.13
11/16	74	44	59	5	9	112	.00	63	55	59	NA	NA	NA	.12
11/17	75	44	60	6	9	122	.00	62	55	59	NA	NA	NA	.12
11/18	63	31	47	-6	9	122	.00	60	55	58	NA	NA	NA	.09
11/19	64	31	48	-5	9	122	.00	59	55	57	NA	NA	NA	.09
11/20	69	33	51	-2	9	123	.00	57	41	49	NA	NA	NA	.12
11/21	74	40	57	4	9	130	.00	57	53	55	NA	NA	NA	.13
11/22	75	44	60	8	9	140	.00	60	55	58	NA	NA	NA	.12
11/23	76	45	61	9	10	151	.10	61	56	59	NA	NA	NA	.12
11/24	68	38	53	1	10	154	.00	61	56	59	NA	NA	NA	.09
11/25	70	36	53	1	10	157	.00	61	56	59	NA	NA	NA	.11
11/26	72	38	55	4	10	162	.00	62	57	60	NA	NA	NA	.12
11/27	75	56	66	15	16	178	.00	62	59	61	NA	NA	NA	.08
11/28	81	65	73	22	29	201	.00	65	61	63	NA	NA	NA	.09
11/29	71	38	55	4	29	206	.80	66	60	63	NA	NA	NA	.11
11/30	54	27	41	-9	29	206	.00	61	52	57	NA	NA	NA	.04

AIR TEMPERATURES (in degrees F):
Mean Maximum= 71.5 Mean Minimum= 40.7 Average= 56.1
DFN= +4.9 DFN= -.3 DFN= +2.3
Highest= 82 Lowest= 27

PRECIPITATION STATISTICS (inches):
Total= 2.80 DFN= -.46 Greatest Daily= 1.00 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 68 Lowest= 41 Average= 59

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .11 (in)

Daily Weather Observations: Black Belt Substation, Marion Junction

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
12/ 1	59	27	43	-7	0	0	.00	55	52	54	NA	NA	NA	.07
12/ 2	66	47	57	7	0	7	.05	55	51	53	NA	NA	NA	.05
12/ 3	71	55	63	13	3	20	.10	60	56	58	NA	NA	NA	.05
12/ 4	66	32	49	0	3	20	1.15	63	55	59	NA	NA	NA	.10
12/ 5	48	25	37	-12	3	20	.00	55	50	53	NA	NA	NA	.00
12/ 6	50	25	38	-11	3	20	.00	52	47	50	NA	NA	NA	.02
12/ 7	57	24	41	-8	3	20	.00	50	45	48	NA	NA	NA	.06
12/ 8	56	29	43	-6	3	20	.00	50	45	48	NA	NA	NA	.04
12/ 9	53	28	41	-7	3	20	.00	52	48	50	NA	NA	NA	.02
12/10	61	28	45	-3	3	20	.00	52	48	50	NA	NA	NA	.08
12/11	65	29	47	-1	3	20	.00	51	46	49	NA	NA	NA	.10
12/12	67	30	49	1	3	20	.00	51	47	49	NA	NA	NA	.11
12/13	67	35	51	3	3	21	.00	52	49	51	NA	NA	NA	.09
12/14	73	53	63	15	6	34	.00	58	52	55	NA	NA	NA	.07
12/15	65	53	59	11	6	43	.00	58	53	56	NA	NA	NA	.02
12/16	75	53	64	16	10	57	.00	58	54	56	NA	NA	NA	.08
12/17	69	55	62	15	12	69	.00	61	54	58	NA	NA	NA	.04
12/18	76	60	68	21	20	87	.00	64	61	63	NA	NA	NA	.07
12/19	74	48	61	14	21	98	.30	63	61	62	NA	NA	NA	.09
12/20	64	51	58	11	21	106	.85	62	60	61	NA	NA	NA	.02
12/21	64	54	59	12	21	115	.10	62	62	62	NA	NA	NA	.01
12/22	79	54	67	20	28	132	.10	64	62	63	NA	NA	NA	.10
12/23	65	42	54	8	28	136	.10	62	62	62	NA	NA	NA	.05
12/24	65	24	45	-1	28	136	.60	62	51	57	NA	NA	NA	.11
12/25	34	19	27	-19	28	136	.00	52	46	49	NA	NA	NA	.00
12/26	38	30	34	-12	28	136	.00	50	44	47	NA	NA	NA	.00
12/27	49	37	43	-3	28	136	.00	50	46	48	NA	NA	NA	.00
12/28	53	41	47	1	28	136	.10	52	49	51	NA	NA	NA	.00
12/29	70	50	60	14	28	146	.00	55	50	53	NA	NA	NA	.06
12/30	66	56	61	15	29	157	.00	60	55	58	NA	NA	NA	.02
12/31	79	35	57	12	29	164	.40	62	55	59	NA	NA	NA	.17

AIR TEMPERATURES (in degrees F):
Mean Maximum= 62.7 Mean Minimum= 39.6 Average= 51.2
DFN= +3.8 DFN= +3.8 DFN= +3.8
Highest= 79 Lowest= 19

PRECIPITATION STATISTICS (inches):
Total= 3.85 DFN= -1.58 Greatest Daily= 1.15 Rain Days= 11

SOIL TEMPERATURES (in degrees F):
Highest= 64 Lowest= 44 Average= 54

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .05 (in)

Daily Weather Observations: E.V. Smith Research Center, Shorter

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
1/ 1	70	32	51	6	0	1	.70	NA	NA	NA	NA	NA	NA	.12
1/ 2	50	29	40	-5	0	1	.00	55	41	48	NA	NA	NA	.00
1/ 3	52	34	43	-2	0	1	.00	47	43	45	NA	NA	NA	.00
1/ 4	61	42	52	7	0	3	Trace	52	47	50	NA	NA	NA	.03
1/ 5	58	53	56	11	0	9	.43	54	51	53	NA	NA	NA	.00
1/ 6	62	54	58	13	0	17	1.17	56	54	55	NA	NA	NA	.00
1/ 7	61	49	55	10	0	22	.45	56	54	55	NA	NA	NA	.01
1/ 8	54	47	51	6	0	23	.30	57	54	56	NA	NA	NA	.00
1/ 9	54	32	43	-2	0	23	.02	54	42	48	NA	NA	NA	.02
1/10	56	36	46	1	0	23	.00	49	46	48	NA	NA	NA	.02
1/11	65	31	48	3	0	23	.00	47	44	46	NA	NA	NA	.09
1/12	75	32	54	9	0	27	.00	NA	45	NA	NA	NA	NA	.15
1/13	54	25	40	-5	0	27	.00	52	45	49	NA	NA	NA	.04
1/14	56	23	40	-5	0	27	.00	50	45	48	NA	NA	NA	.06
1/15	59	33	46	1	0	27	.00	46	44	45	NA	NA	NA	.05
1/16	67	35	51	7	0	28	.00	46	43	45	NA	NA	NA	.10
1/17	74	35	55	11	0	33	.00	54	46	50	NA	NA	NA	.14
1/18	76	55	66	22	6	49	.19	59	47	53	NA	NA	NA	.09
1/19	66	51	59	15	6	58	.05	61	57	59	NA	NA	NA	.04
1/20	79	53	66	22	12	74	.00	58	57	58	NA	NA	NA	.12
1/21	75	52	64	20	16	88	1.30	NA	NA	NA	NA	NA	NA	.09
1/22	60	34	47	2	16	88	.00	58	48	53	NA	NA	NA	.06
1/23	61	30	46	1	16	88	.00	62	46	54	NA	NA	NA	.08
1/24	70	30	50	5	16	88	.00	54	43	49	NA	NA	NA	.13
1/25	60	53	57	12	16	95	2.32	NA	NA	NA	NA	NA	NA	.00
1/26	59	30	45	0	16	95	.23	NA	NA	NA	NA	NA	NA	.07
1/27	53	28	41	-4	16	95	.00	57	NA	NA	NA	NA	NA	.04
1/28	59	30	45	0	16	95	.00	57	NA	NA	NA	NA	NA	.07
1/29	69	39	54	9	16	99	.00	57	39	48	NA	NA	NA	.10
1/30	65	29	47	2	16	99	.20	NA	NA	NA	NA	NA	NA	.11
1/31	55	32	44	-2	16	99	.00	47	NA	NA	NA	NA	NA	.04

AIR TEMPERATURES (in degrees F):
Mean Maximum= 62.4 Mean Minimum= 37.7 Average= 50.0
DFN= +6.9 DFN= +4.0 DFN= +5.5
Highest= 79 Lowest= 23

PRECIPITATION STATISTICS (inches):
Total= 7.36 DFN= +2.48 Greatest Daily= 2.32 Rain Days= 12

SOIL TEMPERATURES (in degrees F):
Highest= 62 Lowest= 39 Average= 50

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .06 (in)

Daily Weather Observations: E.V. Smith Research Center, Shorter

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
2/ 1	68	32	50	4	0	0	.00	NA	NA	NA	NA	NA	NA	.12
2/ 2	67	48	58	12	0	8	.03	NA	NA	NA	NA	NA	NA	.06
2/ 3	77	64	71	25	11	29	.01	NA	NA	NA	NA	NA	NA	.08
2/ 4	76	56	66	20	17	45	.10	NA	NA	NA	NA	NA	NA	.10
2/ 5	59	36	48	2	17	45	.00	NA	NA	NA	NA	NA	NA	.05
2/ 6	62	37	50	4	17	45	.00	55	47	51	NA	NA	NA	.07
2/ 7	66	42	54	8	17	49	.20	50	NA	NA	NA	NA	NA	.08
2/ 8	67	39	53	7	17	52	.00	NA	NA	NA	NA	NA	NA	.10
2/ 9	66	42	54	8	17	56	.12	NA	NA	NA	NA	NA	NA	.08
2/10	70	59	65	19	22	71	.80	NA	NA	NA	NA	NA	NA	.05
2/11	68	36	52	6	22	73	.40	NA	NA	NA	NA	NA	NA	.12
2/12	65	35	50	3	22	73	.00	NA	NA	NA	NA	NA	NA	.10
2/13	73	38	56	9	22	79	.00	NA	NA	NA	NA	NA	NA	.14
2/14	74	38	56	9	22	85	.00	56	52	54	NA	NA	NA	.15
2/15	75	50	63	16	25	98	.10	NA	NA	NA	NA	NA	NA	.12
2/16	74	63	69	22	34	117	.10	NA	NA	NA	NA	NA	NA	.07
2/17	73	46	60	13	34	127	1.80	NA	NA	NA	NA	NA	NA	.12
2/18	61	47	54	6	34	131	.01	NA	NA	NA	NA	NA	NA	.04
2/19	54	43	49	1	34	131	1.75	NA	NA	NA	NA	NA	NA	.01
2/20	57	44	51	3	34	132	.50	NA	NA	NA	NA	NA	NA	.03
2/21	70	46	58	10	34	140	.00	62	50	56	NA	NA	NA	.10
2/22	66	48	57	8	34	147	.90	60	52	56	NA	NA	NA	.07
2/23	65	53	59	10	34	156	.03	61	57	59	NA	NA	NA	.05
2/24	58	36	47	-2	34	156	Trace	58	55	57	NA	NA	NA	.06
2/25	67	33	50	1	34	156	.00	46	46	46	NA	NA	NA	.13
2/26	52	30	41	-8	34	156	.00	48	45	47	NA	NA	NA	.05
2/27	61	33	47	-3	34	156	.00	48	46	47	NA	NA	NA	.09
2/28	70	38	54	4	34	160	.00	52	46	49	NA	NA	NA	.14

AIR TEMPERATURES (in degrees F):
Mean Maximum= 66.5 Mean Minimum= 43.3 Average= 54.9
DFN= +7.4 DFN= +8.0 DFN= +7.7
Highest= 77 Lowest= 30

PRECIPITATION STATISTICS (inches):
Total= 6.85 DFN= +1.74 Greatest Daily= 1.80 Rain Days= 15

SOIL TEMPERATURES (in degrees F):
Highest= 62 Lowest= 45 Average= 52

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .09 (in)

Daily Weather Observations: E.V. Smith Research Center, Shorter

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
3/ 1	71	42	57	7	0	7	.00	54	49	52	NA	NA	NA	.13
3/ 2	74	42	58	8	0	15	.06	58	53	56	NA	NA	NA	.15
3/ 3	65	42	54	3	0	19	.57	58	57	58	NA	NA	NA	.09
3/ 4	64	34	49	-2	0	19	.02	70	55	63	NA	NA	NA	.11
3/ 5	66	33	50	-1	0	19	.00	49	44	47	NA	NA	NA	.13
3/ 6	71	36	54	2	0	23	.00	51	44	48	NA	NA	NA	.15
3/ 7	75	44	60	8	0	33	.00	55	44	50	NA	NA	NA	.15
3/ 8	75	52	64	12	4	47	.00	56	56	56	NA	NA	NA	.13
3/ 9	61	50	56	4	4	53	.00	56	56	56	NA	NA	NA	.05
3/10	77	51	64	11	8	67	.00	60	56	58	NA	NA	NA	.15
3/11	83	49	66	13	14	83	.00	70	56	63	NA	NA	NA	.19
3/12	83	50	67	14	21	100	.00	70	60	65	NA	NA	NA	.19
3/13	83	51	67	13	28	117	.00	60	60	60	NA	NA	NA	.19
3/14	85	53	69	15	37	136	.00	63	60	62	NA	NA	NA	.19
3/15	83	60	72	18	49	158	.00	NA	57	NA	NA	NA	NA	.16
3/16	82	61	72	18	61	180	4.70	65	62	64	NA	NA	NA	.15
3/17	63	55	59	4	61	189	5.78	72	61	67	NA	NA	NA	.05
3/18	83	41	62	7	63	201	.00	73	63	68	NA	NA	NA	.22
3/19	79	49	64	9	67	215	.00	64	57	61	NA	NA	NA	.17
3/20	70	33	52	-4	67	217	.00	58	47	53	NA	NA	NA	.17
3/21	56	28	42	-14	67	217	.00	47	47	47	NA	NA	NA	.10
3/22	68	34	51	-5	67	218	.00	54	48	51	NA	NA	NA	.15
3/23	73	44	59	3	67	227	.00	55	53	54	NA	NA	NA	.15
3/24	78	48	63	6	70	240	.00	NA	NA	NA	.02	NA	NA	.17
3/25	78	48	63	6	73	253	.00	72	51	62	.12	NA	NA	.18
3/26	78	48	63	6	76	266	.00	74	51	63	.11	NA	NA	.18
3/27	70	38	54	-4	76	270	.00	72	43	58	.26	NA	NA	.16
3/28	70	42	56	-2	76	276	.00	70	39	55	.19	NA	NA	.15
3/29	65	53	59	1	76	285	.10	60	50	55	.08	NA	NA	.08
3/30	61	55	58	-1	76	293	.06	56	50	53	NA	NA	NA	.05
3/31	67	55	61	2	77	304	.56	61	48	55	NA	NA	NA	.09

AIR TEMPERATURES (in degrees F):
Mean Maximum= 72.8 Mean Minimum= 45.8 Average= 59.3
DFN= +6.4 DFN= +3.5 DFN= +5.0
Highest= 85 Lowest= 28

PRECIPITATION STATISTICS (inches):
Total= 11.85 DFN= +5.43 Greatest Daily= 5.78 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 74 Lowest= 39 Average= 57

AVERAGE DAILY VALUES:
Pan Evaporation= .13 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .14 (in)

Daily Weather Observations: E.V. Smith Research Center, Shorter

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
4/ 1	77	53	65	6	5	15	.01	70	48	59	.22	NA	NA	.16
4/ 2	80	56	68	8	13	33	.56	75	56	66	NA	NA	NA	.17
4/ 3	71	43	57	-3	13	40	.00	70	45	58	.12	NA	NA	.15
4/ 4	61	36	49	-11	13	40	.00	64	42	53	.18	NA	NA	.11
4/ 5	68	41	55	-6	13	45	.00	65	42	54	.20	NA	NA	.14
4/ 6	80	47	64	3	17	59	.00	70	46	58	.25	NA	NA	.20
4/ 7	72	34	53	-8	17	62	.34	62	42	52	.25	NA	NA	.19
4/ 8	62	32	47	-14	17	62	.00	48	40	44	.22	NA	NA	.14
4/ 9	70	45	58	-4	17	70	.00	65	45	55	.35	NA	NA	.15
4/10	76	46	61	-1	18	81	.00	68	45	57	.13	NA	NA	.18
4/11	79	55	67	5	25	98	.72	69	54	62	NA	NA	NA	.17
4/12	65	37	51	-11	25	99	.00	66	43	55	.22	NA	NA	.14
4/13	64	35	50	-13	25	99	.00	66	42	54	.23	NA	NA	.14
4/14	71	36	54	-9	25	103	.00	69	42	56	.18	NA	NA	.18
4/15	78	54	66	3	31	119	.86	70	54	62	NA	NA	NA	.17
4/16	73	47	60	-4	31	129	.00	71	50	61	.12	NA	NA	.16
4/17	79	50	65	1	36	144	.00	75	50	63	.18	NA	NA	.19
4/18	83	49	66	2	42	160	.00	76	52	64	.32	NA	NA	.22
4/19	73	50	62	-2	44	172	.00	72	54	63	NA	NA	NA	.15
4/20	66	56	61	-4	45	183	.00	62	54	58	NA	NA	NA	.09
4/21	78	58	68	3	53	201	.00	72	55	64	.28	NA	NA	.16
4/22	81	57	69	4	62	220	.00	73	59	66	.19	NA	NA	.18
4/23	83	56	70	5	72	240	.00	79	59	69	.30	NA	NA	.20
4/24	82	57	70	4	82	260	.00	78	59	69	.05	NA	NA	.19
4/25	84	56	70	4	92	280	.00	83	60	72	.38	NA	NA	.21
4/26	85	52	69	3	101	299	.00	85	60	73	.22	NA	NA	.23
4/27	84	53	69	3	110	318	.00	83	60	72	.35	NA	NA	.22
4/28	85	56	71	4	121	339	.50	83	60	72	.08	NA	NA	.22
4/29	77	48	63	-4	124	352	.10	74	55	65	.15	NA	NA	.19
4/30	86	59	73	6	137	375	.00	81	60	71	.29	NA	NA	.21

AIR TEMPERATURES (in degrees F):
Mean Maximum= 75.8 Mean Minimum= 48.5 Average= 62.1
DFN= +.0 DFN= -1.9 DFN= -1.0
Highest= 86 Lowest= 32

PRECIPITATION STATISTICS (inches):
Total= 3.09 DFN= -2.08 Greatest Daily= .86 Rain Days= 7

SOIL TEMPERATURES (in degrees F):
Highest= 85 Lowest= 40 Average= 61

AVERAGE DAILY VALUES:
Pan Evaporation= .22 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .17 (in)

Daily Weather Observations: E.V. Smith Research Center, Shorter

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
5/ 1	87	60	74	6	14	24	.00	86	60	73	.26	NA	NA	.22
5/ 2	85	62	74	6	28	48	.00	83	62	73	.12	NA	NA	.20
5/ 3	88	63	76	8	44	74	.00	90	63	77	.19	NA	NA	.22
5/ 4	93	65	79	11	63	103	.00	92	67	80	.31	NA	NA	.24
5/ 5	81	65	73	4	76	126	.05	80	68	74	.22	NA	NA	.17
5/ 6	79	51	65	-4	81	141	.00	84	61	73	.22	NA	NA	.20
5/ 7	69	44	57	-12	81	148	.00	77	55	66	.15	NA	NA	.16
5/ 8	77	46	62	-7	83	160	.00	86	52	69	.24	NA	NA	.20
5/ 9	78	51	65	-4	88	175	.28	79	59	69	.02	NA	NA	.19
5/10	71	63	67	-3	95	192	1.01	66	60	63	NA	NA	NA	.11
5/11	74	45	60	-10	95	202	.00	76	52	64	.40	NA	NA	.19
5/12	76	52	64	-6	99	216	.00	74	52	63	.24	NA	NA	.18
5/13	83	63	73	3	112	239	1.10	75	62	69	NA	NA	NA	.19
5/14	73	61	67	-4	119	256	.02	75	62	69	.07	NA	NA	.13
5/15	86	63	75	4	134	281	.00	83	61	72	.26	NA	NA	.21
5/16	89	63	76	5	150	307	.00	85	65	75	.32	NA	NA	.23
5/17	89	64	77	6	167	334	.00	84	65	75	.28	NA	NA	.22
5/18	83	53	68	-3	175	352	.15	80	60	70	.08	NA	NA	.22
5/19	81	57	69	-3	184	371	.00	82	59	71	.28	NA	NA	.20
5/20	85	67	76	4	200	397	.00	82	65	74	.25	NA	NA	.19
5/21	87	65	76	4	216	423	.67	86	68	77	.36	NA	NA	.21
5/22	83	63	73	1	229	446	1.10	81	64	73	NA	NA	NA	.19
5/23	76	52	64	-9	233	460	.00	79	59	69	.30	NA	NA	.18
5/24	77	55	66	-7	239	476	.00	76	60	68	.22	NA	NA	.18
5/25	83	55	69	-4	248	495	.00	81	60	71	.29	NA	NA	.22
5/26	86	64	75	2	263	520	.00	83	62	73	.31	NA	NA	.21
5/27	86	66	76	3	279	546	.00	86	68	77	.26	NA	NA	.20
5/28	88	69	79	5	298	575	.00	87	70	79	.28	NA	NA	.20
5/29	85	57	71	-3	309	596	.00	87	65	76	.25	NA	NA	.22
5/30	85	54	70	-4	319	616	.00	90	54	72	.32	NA	NA	.23
5/31	84	54	69	-5	328	635	.00	92	63	78	.36	NA	NA	.23

AIR TEMPERATURES (in degrees F):
Mean Maximum= 82.2 DFN= -.8 Mean Minimum= 58.5 DFN= +.1 Average= 70.3 DFN= -.4
Highest= 93 Lowest= 44

PRECIPITATION STATISTICS (inches):
Total= 4.38 DFN= +.40 Greatest Daily= 1.10 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 92 Lowest= 52 Average= 72

AVERAGE DAILY VALUES:
Pan Evaporation= .24 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .20 (in)

Daily Weather Observations: E.V. Smith Research Center, Shorter

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
6/ 1	83	62	73	-2	13	23	.08	85	67	76	.12	NA	NA	.20
6/ 2	86	68	77	2	30	50	.06	86	69	78	.22	NA	NA	.20
6/ 3	90	72	81	6	51	81	.00	87	70	79	.26	NA	NA	.21
6/ 4	86	71	79	4	70	110	.58	83	72	78	NA	NA	NA	.19
6/ 5	86	59	73	-3	83	133	.00	86	55	71	.20	NA	NA	.22
6/ 6	87	60	74	-2	97	157	.00	91	65	78	.29	NA	NA	.23
6/ 7	92	65	79	3	116	186	.00	93	70	82	.27	NA	NA	.24
6/ 8	92	69	81	5	137	217	.00	99	73	86	.27	NA	NA	.23
6/ 9	93	68	81	5	158	248	.00	102	75	89	.33	NA	NA	.24
6/10	92	68	80	3	178	278	.00	97	74	86	.34	NA	NA	.23
6/11	93	64	79	2	197	307	.00	98	74	86	.26	NA	NA	.25
6/12	87	59	73	-4	210	330	.00	95	70	83	.26	NA	NA	.23
6/13	90	61	76	-1	226	356	.00	100	70	85	.36	NA	NA	.24
6/14	89	64	77	0	243	383	.00	96	74	85	.39	NA	NA	.23
6/15	92	64	78	1	261	411	.00	100	74	87	.33	NA	NA	.25
6/16	94	70	82	5	283	443	.15	100	80	90	.31	NA	NA	.24
6/17	93	73	83	5	306	476	.67	101	75	88	NA	NA	NA	.23
6/18	93	72	83	5	329	509	.00	87	74	81	.19	NA	NA	.23
6/19	93	73	83	5	352	542	.00	94	73	84	.15	NA	NA	.23
6/20	94	64	79	1	371	571	.00	98	72	85	.32	NA	NA	.26
6/21	97	65	81	3	392	602	.00	102	72	87	NA	NA	NA	.28
6/22	96	73	85	7	417	637	.00	102	80	91	.28	NA	NA	.24
6/23	92	67	80	1	437	667	.55	100	75	88	NA	NA	NA	.24
6/24	86	60	73	-6	450	690	.00	85	67	76	.18	NA	NA	.22
6/25	87	60	74	-5	464	714	.00	89	68	79	.33	NA	NA	.23
6/26	88	60	74	-5	478	738	.00	94	66	80	.33	NA	NA	.24
6/27	92	61	77	-2	495	765	.00	98	68	83	.39	NA	NA	.26
6/28	95	66	81	2	516	796	.00	96	74	85	.32	NA	NA	.26
6/29	96	69	83	4	539	829	.00	100	74	87	.29	NA	NA	.26
6/30	95	70	83	4	562	862	.00	105	73	89	.45	NA	NA	.25

AIR TEMPERATURES (in degrees F):
Mean Maximum= 91.0 Mean Minimum= 65.9 Average= 78.4
DFN= +2.0 DFN= +.7 DFN= +1.3
Highest= 97 Lowest= 59

PRECIPITATION STATISTICS (inches):
Total= 2.09 DFN= -1.78 Greatest Daily= .67 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 105 Lowest= 55 Average= 83

AVERAGE DAILY VALUES:
Pan Evaporation= .29 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .23 (in)

Daily Weather Observations: E.V. Smith Research Center, Shorter

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
7/ 1	97	71	84	5	24	34	.00	105	80	93	.46	NA	NA	.26
7/ 2	96	70	83	4	47	67	.00	105	80	93	.43	NA	NA	.25
7/ 3	99	67	83	4	70	100	.00	77	NA	NA	NA	NA	NA	.28
7/ 4	92	66	79	0	89	129	.00	100	76	88	.31	NA	NA	.24
7/ 5	93	69	81	2	110	160	.00	100	78	89	.33	NA	NA	.24
7/ 6	94	73	84	5	134	194	.00	80	77	79	.35	NA	NA	.23
7/ 7	94	72	83	4	157	227	.00	100	80	90	.28	NA	NA	.23
7/ 8	102	75	89	10	186	266	.00	106	82	94	.47	NA	NA	.28
7/ 9	100	69	85	6	211	301	1.01	108	75	92	NA	NA	NA	.28
7/10	94	70	82	3	233	333	.00	93	75	84	.26	NA	NA	.24
7/11	95	72	84	5	257	367	.00	95	74	85	.41	NA	NA	.24
7/12	94	70	82	3	279	399	1.35	92	73	83	NA	NA	NA	.24
7/13	91	72	82	2	301	431	.05	90	71	81	.23	NA	NA	.21
7/14	87	71	79	-1	320	460	.10	86	74	80	.31	NA	NA	.19
7/15	85	67	76	-4	336	486	.00	86	70	78	.08	NA	NA	.19
7/16	86	64	75	-5	351	511	.00	90	46	68	.38	NA	NA	.21
7/17	88	65	77	-3	368	538	.00	87	69	78	.25	NA	NA	.22
7/18	88	70	79	-1	387	567	.00	82	72	77	.13	NA	NA	.20
7/19	90	71	81	1	408	598	.03	91	72	82	.03	NA	NA	.21
7/20	81	70	76	-4	424	624	.00	80	72	76	.24	NA	NA	.16
7/21	89	71	80	0	444	654	.00	95	72	84	.10	NA	NA	.20
7/22	91	71	81	1	465	685	.00	96	75	86	.25	NA	NA	.22
7/23	93	71	82	2	487	717	.00	98	76	87	.27	NA	NA	.23
7/24	94	70	82	2	509	749	.00	101	74	88	.32	NA	NA	.24
7/25	89	67	78	-2	527	777	.00	98	75	87	.11	NA	NA	.21
7/26	92	68	80	0	547	807	.00	101	74	88	.36	NA	NA	.23
7/27	93	69	81	1	568	838	.00	97	76	87	.28	NA	NA	.23
7/28	93	66	80	0	588	868	.00	100	73	87	.41	NA	NA	.24
7/29	94	69	82	2	610	900	.00	98	76	87	.27	NA	NA	.24
7/30	96	69	83	3	633	933	.00	98	77	88	.23	NA	NA	.25
7/31	96	69	83	3	656	966	.00	101	76	89	.32	NA	NA	.25

AIR TEMPERATURES (in degrees F):
Mean Maximum= 92.5 Mean Minimum= 69.5 Average= 81.0
DFN= +1.8 DFN= +1.0 DFN= +1.4
Highest= 102 Lowest= 64

PRECIPITATION STATISTICS (inches):
Total= 2.54 DFN= -1.80 Greatest Daily= 1.35 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 108 Lowest= 46 Average= 85

AVERAGE DAILY VALUES:
Pan Evaporation= .28 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .23 (in)

Daily Weather Observations: E.V. Smith Research Center, Shorter

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
8/ 1	97	69	83	3	23	33	.01	103	75	89	.16	NA	NA	.26
8/ 2	94	69	82	2	45	65	.00	102	78	90	.44	NA	NA	.24
8/ 3	92	69	81	1	66	96	.13	96	74	85	.02	NA	NA	.22
8/ 4	93	69	81	1	87	127	.00	99	74	87	.25	NA	NA	.23
8/ 5	95	71	83	3	110	160	.00	96	75	86	.24	NA	NA	.24
8/ 6	98	72	85	5	135	195	.02	102	80	91	.24	NA	NA	.25
8/ 7	98	68	83	3	158	228	.00	101	76	89	.37	NA	NA	.26
8/ 8	92	65	79	-1	177	257	.00	100	75	88	.35	NA	NA	.23
8/ 9	91	66	79	-1	196	286	.00	97	75	86	.28	NA	NA	.22
8/10	92	61	77	-3	213	313	.00	99	73	86	.19	NA	NA	.25
8/11	94	61	78	-2	231	341	.00	99	74	87	.34	NA	NA	.26
8/12	94	67	81	1	252	372	.00	100	73	87	.36	NA	NA	.24
8/13	97	72	85	5	277	407	.00	100	80	90	.35	NA	NA	.24
8/14	97	70	84	4	301	441	.00	100	78	89	.30	NA	NA	.25
8/15	96	69	83	3	324	474	.00	101	77	89	.41	NA	NA	.24
8/16	97	69	83	3	347	507	.00	99	77	88	.25	NA	NA	.25
8/17	98	71	85	5	372	542	.00	102	77	90	.31	NA	NA	.25
8/18	100	70	85	5	397	577	.00	103	80	92	.28	NA	NA	.26
8/19	100	70	85	6	422	612	.00	102	78	90	.26	NA	NA	.26
8/20	104	75	90	11	452	652	.80	100	75	88	.36	NA	NA	.27
8/21	98	71	85	6	477	687	.00	92	75	84	.21	NA	NA	.25
8/22	98	71	85	6	502	722	.00	95	74	85	.20	NA	NA	.25
8/23	82	69	76	-3	518	748	.45	80	70	75	NA	NA	NA	.15
8/24	92	69	81	2	539	779	.00	90	70	80	.18	NA	NA	.21
8/25	91	70	81	2	560	810	.00	92	71	82	.22	NA	NA	.20
8/26	95	70	83	4	583	843	.00	94	71	83	.23	NA	NA	.23
8/27	94	71	83	4	606	876	.00	98	76	87	.28	NA	NA	.22
8/28	98	72	85	6	631	911	.00	100	76	88	.27	NA	NA	.24
8/29	96	72	84	5	655	945	.00	99	76	88	.22	NA	NA	.23
8/30	99	74	87	9	682	982	.00	100	77	89	.25	NA	NA	.24
8/31	83	67	75	-3	697	1007	.05	82	71	77	.15	NA	NA	.16

AIR TEMPERATURES (in degrees F):
Mean Maximum= 95.0 DFN= +4.5 Mean Minimum= 69.3 DFN= +1.4 Average= 82.2 DFN= +3.0
Highest= 104 Lowest= 61

PRECIPITATION STATISTICS (inches):
Total= 1.46 DFN= -2.39 Greatest Daily= .80 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 103 Lowest= 70 Average= 86

AVERAGE DAILY VALUES:
Pan Evaporation= .27 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .24 (in)

Daily Weather Observations: E.V. Smith Research Center, Shorter

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
9/ 1	89	62	76	-2	16	26	.67	90	71	81	.05	NA	NA	.21
9/ 2	92	72	82	4	38	58	.00	90	72	81	.36	NA	NA	.20
9/ 3	92	71	82	4	60	90	.00	95	74	85	.20	NA	NA	.20
9/ 4	97	71	84	6	84	124	.00	96	70	83	.25	NA	NA	.23
9/ 5	97	68	83	5	107	157	.00	97	75	86	.26	NA	NA	.24
9/ 6	94	67	81	4	128	188	.00	98	75	87	.27	NA	NA	.22
9/ 7	96	68	82	5	150	220	.00	98	74	86	.26	NA	NA	.23
9/ 8	98	71	85	8	175	255	.00	100	76	88	.28	NA	NA	.24
9/ 9	98	69	84	7	199	289	.00	100	77	89	.25	NA	NA	.24
9/10	97	68	83	6	222	322	1.70	99	73	86	NA	NA	NA	.24
9/11	95	68	82	6	244	354	.00	90	72	81	.25	NA	NA	.22
9/12	93	69	81	5	265	385	.10	90	72	81	.07	NA	NA	.21
9/13	91	69	80	4	285	415	.00	88	71	80	.28	NA	NA	.19
9/14	91	72	82	6	307	447	.02	88	74	81	.30	NA	NA	.18
9/15	85	72	79	3	326	476	.05	84	72	78	.06	NA	NA	.15
9/16	93	67	80	5	346	506	.00	90	70	80	.27	NA	NA	.21
9/17	91	57	74	-1	360	530	.00	90	65	78	.28	NA	NA	.23
9/18	90	57	74	-1	374	554	.00	90	64	77	.28	NA	NA	.22
9/19	91	58	75	1	389	579	.00	93	65	79	.19	NA	NA	.23
9/20	91	63	77	3	406	606	.00	93	68	81	.25	NA	NA	.21
9/21	91	63	77	3	423	633	.00	93	70	82	.25	NA	NA	.21
9/22	94	69	82	8	445	665	.00	95	75	85	.28	NA	NA	.21
9/23	94	56	75	2	460	690	.32	94	63	79	NA	NA	NA	.25
9/24	78	43	61	-12	461	701	.00	80	55	68	.29	NA	NA	.19
9/25	78	43	61	-12	462	712	.00	80	54	67	.26	NA	NA	.19
9/26	80	43	62	-10	464	724	.00	82	55	69	.04	NA	NA	.20
9/27	86	44	65	-7	469	739	.00	85	55	70	.27	NA	NA	.23
9/28	91	48	70	-2	479	759	.00	87	58	73	.27	NA	NA	.25
9/29	94	59	77	6	496	786	.00	88	63	76	.23	NA	NA	.23
9/30	85	65	75	4	511	811	.00	83	68	76	.24	NA	NA	.16

AIR TEMPERATURES (in degrees F):
Mean Maximum= 91.1 Mean Minimum= 62.4 Average= 76.7
DFN= +5.0 DFN= -1.3 DFN= +1.8
Highest= 98 Lowest= 43

PRECIPITATION STATISTICS (inches):
Total= 2.86 DFN= -1.38 Greatest Daily= 1.70 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 100 Lowest= 54 Average= 80

AVERAGE DAILY VALUES:
Pan Evaporation= .23 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .21 (in)

Daily Weather Observations: E.V. Smith Research Center, Shorter

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
10/ 1	82	58	70	0	10	20	.02	82	64	73	.10	NA	NA	.16
10/ 2	89	58	74	5	24	44	.00	88	64	76	.16	NA	NA	.20
10/ 3	91	61	76	7	40	70	.00	89	67	78	.12	NA	NA	.20
10/ 4	91	64	78	9	58	98	.00	89	68	79	.30	NA	NA	.19
10/ 5	85	57	71	3	69	119	.19	80	62	71	NA	NA	NA	.18
10/ 6	88	54	71	3	80	140	.00	84	60	72	.28	NA	NA	.21
10/ 7	87	58	73	5	93	163	.00	84	60	72	.17	NA	NA	.19
10/ 8	93	61	77	10	110	190	.00	NA	NA	NA	.26	NA	NA	.21
10/ 9	92	62	77	10	127	217	.00	NA	NA	NA	.27	NA	NA	.20
10/10	90	62	76	9	143	243	.00	NA	NA	NA	.29	NA	NA	.19
10/11	82	57	70	4	153	263	.00	85	79	82	.23	NA	NA	.15
10/12	83	58	71	5	164	284	.33	82	73	78	NA	NA	NA	.16
10/13	85	59	72	7	176	306	.00	80	70	75	.17	NA	NA	.16
10/14	81	49	65	0	181	321	.00	80	67	74	.15	NA	NA	.17
10/15	83	46	65	0	186	336	.00	85	65	75	.19	NA	NA	.19
10/16	88	49	69	5	195	355	.00	80	64	72	.17	NA	NA	.21
10/17	89	50	70	6	205	375	.00	81	67	74	.23	NA	NA	.22
10/18	85	57	71	8	216	396	.42	78	69	74	NA	NA	NA	.17
10/19	77	42	60	-3	216	406	.00	74	60	67	.19	NA	NA	.16
10/20	72	42	57	-6	216	413	.00	72	59	66	.19	NA	NA	.13
10/21	77	52	65	3	221	428	.00	74	53	64	.16	NA	NA	.13
10/22	82	65	74	12	235	452	.03	75	65	70	.14	NA	NA	.12
10/23	71	58	65	3	240	467	.83	72	66	69	NA	NA	NA	.07
10/24	67	48	58	-3	240	475	.00	70	60	65	.09	NA	NA	.08
10/25	72	44	58	-3	240	483	.00	70	58	64	.04	NA	NA	.12
10/26	58	35	47	-14	240	483	.00	60	52	56	.23	NA	NA	.06
10/27	65	33	49	-11	240	483	.00	62	49	56	.13	NA	NA	.11
10/28	70	37	54	-6	240	487	.00	65	50	58	.15	NA	NA	.13
10/29	76	33	55	-5	240	492	.00	67	50	59	.08	NA	NA	.18
10/30	72	36	54	-5	240	496	.00	67	50	59	.14	NA	NA	.14
10/31	75	37	56	-3	240	502	.00	68	51	60	.13	NA	NA	.16

AIR TEMPERATURES (in degrees F):
Mean Maximum= 80.6 Mean Minimum= 51.0 Average= 65.8
DFN= +4.0 DFN= -.5 DFN= +1.7
Highest= 93 Lowest= 33

PRECIPITATION STATISTICS (inches):
Total= 1.82 DFN= -.45 Greatest Daily= .83 Rain Days= 6

SOIL TEMPERATURES (in degrees F):
Highest= 89 Lowest= 49 Average= 69

AVERAGE DAILY VALUES:
Pan Evaporation= .18 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .16 (in)

Daily Weather Observations: E.V. Smith Research Center, Shorter

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
11/ 1	76	37	57	-2	0	7	.00	68	54	61	.11	NA	NA	.16
11/ 2	79	40	60	2	0	17	.00	70	54	62	.11	NA	NA	.17
11/ 3	79	40	60	2	0	27	.00	70	56	63	.15	NA	NA	.17
11/ 4	80	52	66	8	6	43	.00	72	58	65	.16	NA	NA	.14
11/ 5	82	51	67	9	13	60	.00	72	62	67	.08	NA	NA	.15
11/ 6	72	45	59	2	13	69	.24	65	57	61	.03	NA	NA	.11
11/ 7	72	36	54	-3	13	73	.00	66	53	60	.12	NA	NA	.14
11/ 8	73	38	56	-1	13	79	.00	67	52	60	.11	NA	NA	.14
11/ 9	71	42	57	1	13	86	.00	65	52	59	.17	NA	NA	.11
11/10	60	48	54	-2	13	90	1.48	62	56	59	NA	NA	NA	.02
11/11	58	36	47	-9	13	90	.00	60	50	55	.23	NA	NA	.04
11/12	72	38	55	-1	13	95	.00	62	48	55	.15	NA	NA	.13
11/13	77	38	58	3	13	103	.00	64	50	57	.09	NA	NA	.16
11/14	75	40	58	3	13	111	.00	64	50	57	.14	NA	NA	.14
11/15	75	41	58	3	13	119	.00	65	50	58	.11	NA	NA	.13
11/16	76	41	59	5	13	128	.00	65	52	59	.09	NA	NA	.14
11/17	75	45	60	6	13	138	.00	65	55	60	.03	NA	NA	.12
11/18	62	30	46	-8	13	138	.00	63	49	56	.10	NA	NA	.08
11/19	67	31	49	-4	13	138	.00	60	47	54	.19	NA	NA	.11
11/20	68	31	50	-3	13	138	.00	60	47	54	.08	NA	NA	.12
11/21	75	39	57	4	13	145	.00	64	50	57	.07	NA	NA	.14
11/22	76	43	60	8	13	155	.00	64	53	59	.10	NA	NA	.13
11/23	76	44	60	8	13	165	.02	65	53	59	NA	NA	NA	.13
11/24	67	39	53	1	13	168	.02	62	53	58	.03	NA	NA	.08
11/25	73	36	55	3	13	173	.00	63	51	57	.08	NA	NA	.13
11/26	75	37	56	5	13	179	.00	64	50	57	.10	NA	NA	.14
11/27	75	51	63	12	16	192	.00	64	55	60	.03	NA	NA	.10
11/28	82	56	69	18	25	211	.00	69	59	64	.18	NA	NA	.12
11/29	80	44	62	12	27	223	.15	62	57	60	NA	NA	NA	.15
11/30	57	30	44	-6	27	223	.00	60	47	54	.15	NA	NA	.05

AIR TEMPERATURES (in degrees F):
Mean Maximum= 72.8 DFN= +6.3 Mean Minimum= 40.6 DFN= -1.2 Average= 56.7 DFN= +2.6
Highest= 82 Lowest= 30

PRECIPITATION STATISTICS (inches):
Total= 1.91 DFN= -1.49 Greatest Daily= 1.48 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 72 Lowest= 47 Average= 59

AVERAGE DAILY VALUES:
Pan Evaporation= .11 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .12 (in)

Daily Weather Observations: E.V. Smith Research Center, Shorter

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
12/ 1	62	31	47	-3	0	0	.00	58	45	52	.11	NA	NA	.07
12/ 2	67	43	55	5	0	5	.06	58	48	53	.04	NA	NA	.07
12/ 3	76	55	66	16	6	21	.02	63	54	59	.10	NA	NA	.09
12/ 4	65	36	51	2	6	22	1.75	60	50	55	NA	NA	NA	.08
12/ 5	51	25	38	-11	6	22	.00	53	43	48	NA	NA	NA	.02
12/ 6	54	25	40	-9	6	22	.00	54	42	48	NA	NA	NA	.04
12/ 7	58	43	51	2	6	23	.00	53	39	46	NA	NA	NA	.01
12/ 8	46	39	43	-6	6	23	.32	50	47	49	NA	NA	NA	.00
12/ 9	55	28	42	-7	6	23	.00	54	43	49	NA	NA	NA	.04
12/10	63	28	46	-2	6	23	.00	54	43	49	NA	NA	NA	.09
12/11	68	30	49	1	6	23	.00	55	41	48	NA	NA	NA	.11
12/12	69	30	50	2	6	23	.00	55	43	49	NA	NA	NA	.12
12/13	66	33	50	2	6	23	.00	55	43	49	NA	NA	NA	.09
12/14	74	46	60	12	6	33	.00	59	48	54	NA	NA	NA	.10
12/15	71	56	64	17	10	47	.00	63	56	60	NA	NA	NA	.05
12/16	72	53	63	16	13	60	.00	65	57	61	NA	NA	NA	.06
12/17	71	53	62	15	15	72	.00	65	57	61	NA	NA	NA	.06
12/18	76	53	65	18	20	87	.00	64	58	61	NA	NA	NA	.09
12/19	77	47	62	15	22	99	.33	66	57	62	NA	NA	NA	.11
12/20	64	49	57	11	22	106	.03	63	56	60	NA	NA	NA	.03
12/21	61	51	56	10	22	112	.06	60	57	59	NA	NA	NA	.00
12/22	66	51	59	13	22	121	.00	66	65	66	NA	NA	NA	.03
12/23	78	66	72	26	34	143	.00	67	61	64	NA	NA	NA	.06
12/24	78	29	54	8	34	147	.70	68	50	59	NA	NA	NA	.18
12/25	38	21	30	-16	34	147	.00	52	41	47	NA	NA	NA	.00
12/26	40	23	32	-13	34	147	.00	52	39	46	NA	NA	NA	.00
12/27	49	40	45	0	34	147	.01	49	45	47	NA	NA	NA	.00
12/28	49	43	46	1	34	147	.00	49	46	48	NA	NA	NA	.00
12/29	63	45	54	9	34	151	.07	57	48	53	NA	NA	NA	.03
12/30	66	54	60	15	34	161	.00	59	53	56	NA	NA	NA	.02
12/31	77	41	59	14	34	170	1.80	64	55	60	NA	NA	NA	.13

AIR TEMPERATURES (in degrees F):
Mean Maximum= 63.5 Mean Minimum= 40.9 Average= 52.2
DFN= +5.2 DFN= +5.2 DFN= +5.2
Highest= 78 Lowest= 21

PRECIPITATION STATISTICS (inches):
Total= 5.15 DFN= +.01 Greatest Daily= 1.80 Rain Days= 11

SOIL TEMPERATURES (in degrees F):
Highest= 68 Lowest= 39 Average= 54

AVERAGE DAILY VALUES:
Pan Evaporation= .08 (in) Hours of Wet Vegetation= NA
Solar Energy= NA (W/Sq M ystdy)
Potential evapotranspiration (PET)= .06 (in)

Daily Weather Observations: Upper Coastal Plain Substation, Winfield

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
1/ 1	60	29	45	3	0	0	Trace	56	42	49	NA	NA	663	.01
1/ 2	47	29	38	-4	0	0	.00	50	41	46	NA	NA	3054	.01
1/ 3	48	30	39	-3	0	0	.00	47	41	44	NA	NA	1747	.00
1/ 4	60	31	46	4	0	0	.93	51	41	46	NA	NA	2438	.04
1/ 5	63	41	52	10	0	2	.14	56	49	53	NA	NA	631	.01
1/ 6	52	43	48	6	0	2	.63	51	48	50	NA	NA	660	.00
1/ 7	50	41	46	4	0	2	.05	51	48	50	NA	NA	1019	.00
1/ 8	47	37	42	0	0	2	.82	49	46	48	NA	NA	395	.00
1/ 9	55	31	43	1	0	2	.00	55	42	49	NA	NA	3236	.04
1/10	65	33	49	7	0	2	.00	54	41	48	NA	NA	3560	.08
1/11	66	32	49	7	0	2	.00	54	44	49	NA	NA	3765	.09
1/12	71	30	51	9	0	3	.00	56	43	50	NA	NA	3594	.10
1/13	48	20	34	-8	0	3	.00	54	39	47	NA	NA	3921	.04
1/14	49	24	37	-5	0	3	.00	47	38	43	NA	NA	3577	.04
1/15	55	32	44	2	0	3	.00	47	40	44	NA	NA	2713	.03
1/16	63	39	51	9	0	4	.00	55	47	51	NA	NA	1789	.03
1/17	72	40	56	14	0	10	Trace	57	46	52	NA	NA	3406	.09
1/18	72	56	64	22	4	24	1.17	60	52	56	NA	NA	2044	.05
1/19	62	49	56	14	4	30	.03	58	56	57	NA	NA	672	.02
1/20	70	48	59	17	4	39	.60	60	55	58	NA	NA	1790	.05
1/21	65	42	54	12	4	43	1.20	61	52	57	NA	NA	447	.01
1/22	52	28	40	-2	4	43	.00	57	44	51	NA	NA	3660	.04
1/23	65	27	46	4	4	43	.00	56	44	50	NA	NA	4109	.10
1/24	67	29	48	6	4	43	.09	54	44	49	NA	NA	2748	.07
1/25	58	50	54	12	4	47	.84	55	51	53	NA	NA	356	.00
1/26	53	24	39	-4	4	47	.00	54	40	47	NA	NA	1633	.01
1/27	56	24	40	-3	4	47	.00	52	48	50	NA	NA	4099	.07
1/28	63	36	50	7	4	47	.00	56	48	52	NA	NA	4253	.08
1/29	65	44	55	12	4	52	1.27	56	48	52	NA	NA	2277	.04
1/30	57	26	42	-1	4	52	.14	55	42	49	NA	NA	1684	.02
1/31	56	27	42	-1	4	52	.00	52	42	47	NA	NA	3082	.05

AIR TEMPERATURES (in degrees F):
Mean Maximum= 59.1 Mean Minimum= 34.6 Average= 46.8
DFN= +5.9 DFN= +3.9 DFN= +4.9
Highest= 72 Lowest= 20

PRECIPITATION STATISTICS (inches):
Total= 7.91 DFN= +2.16 Greatest Daily= 1.27 Rain Days= 13

SOIL TEMPERATURES (in degrees F):
Highest= 61 Lowest= 38 Average= 50

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= 2355.5 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .04 (in)

Daily Weather Observations: Upper Coastal Plain Substation, Winfield

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
2/ 1	66	30	48	5	0	0	.00	56	41	49	NA	NA	4365	.10
2/ 2	66	45	56	13	0	6	Trace	59	41	50	NA	NA	2515	.05
2/ 3	76	63	70	27	10	26	.80	65	58	62	NA	NA	1817	.05
2/ 4	77	45	61	18	11	37	1.65	68	58	63	NA	NA	1616	.07
2/ 5	47	29	38	-6	11	37	Trace	56	46	51	NA	NA	675	.00
2/ 6	63	29	46	2	11	37	.00	60	45	53	NA	NA	4707	.10
2/ 7	56	34	45	1	11	37	Trace	53	45	49	NA	NA	1138	.00
2/ 8	69	35	52	8	11	39	.00	64	49	57	NA	NA	3862	.10
2/ 9	63	35	49	5	11	39	Trace	57	47	52	NA	NA	1831	.04
2/10	68	52	60	16	11	49	1.79	61	57	59	NA	NA	586	.01
2/11	60	30	45	0	11	49	.01	61	47	54	NA	NA	2934	.06
2/12	66	30	48	3	11	49	.00	60	46	53	NA	NA	4813	.11
2/13	74	32	53	8	11	52	.00	62	46	54	NA	NA	4851	.14
2/14	73	48	61	16	12	63	.00	61	49	55	NA	NA	3436	.09
2/15	74	60	67	21	19	80	.74	62	56	59	NA	NA	1427	.04
2/16	69	62	66	20	25	96	2.90	64	61	63	NA	NA	229	.00
2/17	64	36	50	4	25	96	.33	67	49	58	NA	NA	2395	.05
2/18	49	36	43	-3	25	96	.00	55	48	52	NA	NA	2931	.02
2/19	54	40	47	0	25	96	.27	52	47	50	NA	NA	1137	.02
2/20	62	34	48	1	25	96	.00	61	45	53	NA	NA	3370	.07
2/21	65	34	50	3	25	96	.00	60	45	53	NA	NA	5487	.12
2/22	63	44	54	7	25	100	.57	57	46	52	NA	NA	2623	.05
2/23	68	47	58	10	25	108	Trace	63	53	58	NA	NA	3333	.08
2/24	48	32	40	-8	25	108	.09	53	44	49	NA	NA	856	.01
2/25	63	27	45	-3	25	108	.00	57	41	49	NA	NA	5527	.12
2/26	47	28	38	-10	25	108	.00	54	40	47	NA	NA	5445	.07
2/27	63	29	46	-3	25	108	.00	57	40	49	NA	NA	5436	.12
2/28	70	35	53	4	25	111	.00	61	44	53	.12	NA	5332	.14

AIR TEMPERATURES (in degrees F):
Mean Maximum= 63.7 Mean Minimum= 38.6 Average= 51.1
DFN= +6.1 DFN= +5.5 DFN= +5.8
Highest= 77 Lowest= 27

PRECIPITATION STATISTICS (inches):
Total= 9.15 DFN= +4.07 Greatest Daily= 2.90 Rain Days= 10

SOIL TEMPERATURES (in degrees F):
Highest= 68 Lowest= 40 Average= 54

AVERAGE DAILY VALUES:
Pan Evaporation= .12 (in) Hours of Wet Vegetation= NA
Solar Energy= 3024.1 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .07 (in)

Daily Weather Observations: Upper Coastal Plain Substation, Winfield

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
3/ 1	72	42	57	8	0	7	.01	64	50	57	.10	NA	3856	.11
3/ 2	51	42	47	-2	0	7	1.09	52	51	52	.10	NA	828	.00
3/ 3	56	33	45	-5	0	7	.75	54	46	50	NA	NA	529	.06
3/ 4	64	33	49	-1	0	7	.00	63	45	54	.28	NA	5888	.13
3/ 5	64	29	47	-3	0	7	.00	62	45	54	.29	NA	5960	.13
3/ 6	71	31	51	0	0	8	.00	64	45	55	.12	NA	5911	.15
3/ 7	74	36	55	4	0	13	.00	64	54	59	.14	NA	3731	.12
3/ 8	75	53	64	13	4	27	Trace	64	54	59	.24	NA	3596	.10
3/ 9	55	47	51	0	4	28	.78	55	55	55	.10	NA	475	.02
3/10	72	53	63	11	7	41	.01	63	53	58	.02	NA	1896	.06
3/11	80	53	67	15	14	58	Trace	73	59	66	.11	NA	3811	.12
3/12	80	54	67	15	21	75	.00	72	58	65	.21	NA	4936	.14
3/13	78	55	67	15	28	92	.00	70	58	64	.11	NA	3101	.10
3/14	82	56	69	16	37	111	.00	72	59	66	.23	NA	4560	.14
3/15	79	58	69	16	46	130	Trace	71	58	65	.25	NA	4523	.13
3/16	68	51	60	7	46	140	2.71	63	58	61	NA	NA	338	.02
3/17	57	44	51	-2	46	141	.71	59	53	56	NA	NA	804	.05
3/18	64	34	49	-5	46	141	.00	67	50	59	.21	NA	6154	.14
3/19	71	36	54	0	46	145	.00	69	50	60	.13	NA	6094	.16
3/20	51	27	39	-15	46	145	Trace	59	44	52	.13	NA	3292	.04
3/21	55	25	40	-15	46	145	.00	62	43	53	.12	NA	6824	.13
3/22	69	28	49	-6	46	145	.00	65	44	55	.16	NA	6878	.17
3/23	73	37	55	0	46	150	.00	66	53	60	.19	NA	6444	.17
3/24	79	43	61	5	47	161	.00	72	53	63	.19	NA	5818	.17
3/25	76	41	59	3	47	170	.00	72	56	64	.19	NA	5380	.15
3/26	60	43	52	-4	47	172	.09	60	55	58	.09	NA	3107	.05
3/27	50	30	40	-17	47	172	.26	60	52	56	.04	NA	2029	.01
3/28	67	36	52	-5	47	174	.00	66	46	56	.18	NA	6670	.16
3/29	65	47	56	-1	47	180	.07	61	51	56	.03	NA	2435	.05
3/30	62	53	58	0	47	188	.46	61	56	59	.03	NA	1029	.01
3/31	71	54	63	5	50	201	Trace	65	57	61	.06	NA	2072	.06

AIR TEMPERATURES (in degrees F):
Mean Maximum= 67.5 Mean Minimum= 42.1 Average= 54.8
DFN= +1.5 DFN= +1.9 DFN= +1.7
Highest= 82 Lowest= 25

PRECIPITATION STATISTICS (inches):
Total= 6.94 DFN= +.21 Greatest Daily= 2.71 Rain Days= 11

SOIL TEMPERATURES (in degrees F):
Highest= 73 Lowest= 43 Average= 58

AVERAGE DAILY VALUES:
Pan Evaporation= .14 (in) Hours of Wet Vegetation= NA
Solar Energy= 3837.7 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .10 (in)

Daily Weather Observations: Upper Coastal Plain Substation, Winfield

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
4/ 1	79	54	67	9	7	17	.00	76	58	67	.15	NA	4975	.14
4/ 2	77	51	64	5	11	31	.00	72	60	66	.11	NA	3681	.11
4/ 3	71	35	53	-6	11	34	.00	72	52	62	.19	NA	4728	.13
4/ 4	63	32	48	-11	11	34	.00	68	50	59	.16	NA	6158	.14
4/ 5	70	32	51	-8	11	35	.00	71	50	61	.20	NA	7200	.18
4/ 6	78	46	62	2	13	47	.18	74	55	65	.18	NA	5717	.16
4/ 7	51	27	39	-21	13	47	.28	60	46	53	.02	NA	993	.08
4/ 8	60	28	44	-16	13	47	.00	63	45	54	.16	NA	7594	.16
4/ 9	68	32	50	-11	13	47	.00	68	46	57	.28	NA	7522	.18
4/10	75	36	56	-5	13	53	.00	72	51	62	.14	NA	6955	.19
4/11	67	45	56	-5	13	59	.20	64	55	60	.02	NA	1575	.05
4/12	62	34	48	-13	13	59	.00	70	50	60	.22	NA	6463	.14
4/13	63	32	48	-14	13	59	.00	71	50	61	.16	NA	7370	.16
4/14	70	35	53	-9	13	62	.00	72	49	61	.10	NA	6735	.17
4/15	66	51	59	-3	13	71	.30	63	58	61	.04	NA	1791	.04
4/16	73	44	59	-4	13	80	.00	75	56	66	.18	NA	7085	.18
4/17	81	44	63	0	16	93	.00	75	56	66	.23	NA	6440	.19
4/18	79	42	61	-2	17	104	.34	76	56	66	.09	NA	3659	.13
4/19	71	42	57	-6	17	111	.00	73	51	62	.22	NA	7517	.18
4/20	72	49	61	-3	18	122	.00	69	56	63	.17	NA	4148	.11
4/21	74	57	66	2	24	138	.15	70	60	65	.15	NA	2441	.08
4/22	74	56	65	1	29	153	.47	71	64	68	.11	NA	1948	.07
4/23	83	51	67	3	36	170	.00	80	62	71	.18	NA	6193	.19
4/24	87	53	70	6	46	190	.00	84	62	73	.24	NA	7416	.22
4/25	87	55	71	6	57	211	.11	85	64	75	.22	NA	6987	.21
4/26	84	52	68	3	65	229	.00	83	65	74	.26	NA	6868	.20
4/27	84	53	69	4	74	248	.00	85	64	75	.32	NA	7528	.22
4/28	82	55	69	4	83	267	1.12	81	64	73	.35	NA	5571	.17
4/29	74	45	60	-6	83	277	.04	75	60	68	.29	NA	6695	.17
4/30	84	47	66	0	89	293	.00	80	59	70	.24	NA	7647	.22

AIR TEMPERATURES (in degrees F):
Mean Maximum= 73.6 Mean Minimum= 43.8 Average= 58.7
DFN= -2.5 DFN= -4.4 DFN= -3.4
Highest= 87 Lowest= 27

PRECIPITATION STATISTICS (inches):
Total= 3.19 DFN= -2.22 Greatest Daily= 1.12 Rain Days= 10

SOIL TEMPERATURES (in degrees F):
Highest= 85 Lowest= 45 Average= 65

AVERAGE DAILY VALUES:
Pan Evaporation= .18 (in) Hours of Wet Vegetation= NA
Solar Energy= 5586.7 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .15 (in)

Daily Weather Observations: Upper Coastal Plain Substation, Winfield

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
5/ 1	85	61	73	7	13	23	.00	84	70	77	.22	NA	5459	.17
5/ 2	85	60	73	7	26	46	.09	85	69	77	.18	NA	5464	.17
5/ 3	82	61	72	5	38	68	Trace	80	69	75	.12	NA	4063	.13
5/ 4	87	65	76	9	54	94	.00	83	69	76	.16	NA	5049	.17
5/ 5	80	57	69	2	63	113	.22	79	68	74	.16	NA	3378	.12
5/ 6	66	42	54	-13	63	117	.00	74	60	67	.14	NA	4177	.10
5/ 7	75	42	59	-9	63	126	.00	81	60	71	.17	NA	7282	.19
5/ 8	77	44	61	-7	64	137	.00	83	59	71	.25	NA	8408	.22
5/ 9	77	47	62	-6	66	149	.39	79	60	70	.14	NA	5817	.17
5/10	72	49	61	-7	67	160	.30	71	62	67	.05	NA	1216	.06
5/11	70	40	55	-13	67	165	.00	76	59	68	.26	NA	7921	.19
5/12	69	43	56	-13	67	171	.08	71	56	64	.09	NA	4319	.11
5/13	70	54	62	-7	69	183	.73	67	60	64	.06	NA	2362	.07
5/14	82	58	70	1	79	203	.00	81	63	72	.12	NA	6844	.19
5/15	86	61	74	5	93	227	.00	89	68	79	.22	NA	6255	.19
5/16	87	64	76	6	109	253	.00	85	68	77	.17	NA	7948	.23
5/17	86	66	76	6	125	279	.04	84	70	77	.14	NA	5251	.17
5/18	80	46	63	-7	128	292	Trace	85	65	75	.30	NA	7581	.21
5/19	83	50	67	-3	135	309	.00	86	65	76	.37	NA	7907	.23
5/20	84	63	74	3	149	333	.00	84	70	77	.12	NA	5726	.17
5/21	80	59	70	-1	159	353	2.30	80	68	74	NA	NA	2986	.11
5/22	75	57	66	-5	165	369	.62	75	66	71	.23	NA	2950	.09
5/23	67	52	60	-11	165	379	.00	71	64	68	.12	NA	2848	.07
5/24	67	50	59	-13	165	388	.00	71	61	66	.09	NA	3254	.08
5/25	81	53	67	-5	172	405	.00	81	59	70	.17	NA	7220	.20
5/26	85	61	73	1	185	428	.00	83	67	75	.27	NA	6966	.20
5/27	86	65	76	4	201	454	1.47	87	69	78	NA	NA	NA	.20
5/28	80	63	72	-1	213	476	.90	79	71	75	NA	NA	2828	.10
5/29	79	51	65	-8	218	491	.00	82	66	74	.26	NA	6246	.18
5/30	88	50	69	-4	227	510	.00	82	66	74	.17	NA	NA	.27
5/31	81	53	67	-6	234	527	.03	81	66	74	.19	NA	5962	.18

AIR TEMPERATURES (in degrees F):
Mean Maximum= 79.1 Mean Minimum= 54.4 Average= 66.8
DFN= -3.8 DFN= -1.4 DFN= -2.6
Highest= 88 Lowest= 40

PRECIPITATION STATISTICS (inches):
Total= 7.17 DFN= +2.29 Greatest Daily= 2.30 Rain Days= 12

SOIL TEMPERATURES (in degrees F):
Highest= 89 Lowest= 56 Average= 72

AVERAGE DAILY VALUES:
Pan Evaporation= .18 (in) Hours of Wet Vegetation= NA
Solar Energy= 5299.6 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .16 (in)

Daily Weather Observations: Upper Coastal Plain Substation, Winfield

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
6/ 1	79	62	71	-3	11	21	.00	78	70	74	.15	NA	3540	.11
6/ 2	80	69	75	1	26	46	.00	80	71	76	.17	NA	4164	.12
6/ 3	87	67	77	3	43	73	.90	85	71	78	.28	NA	5395	.17
6/ 4	76	61	69	-5	52	92	.41	77	77	77	.08	NA	2299	.08
6/ 5	82	53	68	-7	60	110	.00	86	67	77	.15	NA	7430	.21
6/ 6	82	55	69	-6	69	129	.00	87	64	76	.23	NA	8544	.23
6/ 7	90	61	76	1	85	155	.00	90	70	80	.22	NA	7061	.22
6/ 8	91	66	79	4	104	184	.00	94	75	85	.29	NA	7618	.23
6/ 9	92	65	79	3	123	213	.00	95	78	87	.39	NA	7707	.24
6/10	92	65	79	3	142	242	.86	97	75	86	.33	NA	7707	.24
6/11	88	61	75	-1	157	267	.00	91	74	83	.16	NA	7261	.22
6/12	87	56	72	-4	169	289	.00	90	70	80	.27	NA	8399	.24
6/13	87	60	74	-2	183	313	.00	93	70	82	.24	NA	8559	.24
6/14	89	62	76	-1	199	339	.00	93	73	83	.31	NA	7588	.23
6/15	89	67	78	1	217	367	.31	94	75	85	.25	NA	5925	.19
6/16	91	69	80	3	237	397	.12	91	77	84	.20	NA	6076	.20
6/17	91	69	80	3	257	427	1.98	92	76	84	NA	NA	6528	.21
6/18	91	70	81	4	278	458	.00	92	77	85	.14	NA	6730	.21
6/19	92	66	79	2	297	487	Trace	91	76	84	.14	NA	5599	.19
6/20	92	62	77	-1	314	514	.00	94	80	87	.29	NA	8239	.25
6/21	95	66	81	3	335	545	.00	96	75	86	.25	NA	8297	.26
6/22	95	66	81	3	356	576	.95	96	75	86	NA	NA	5262	.20
6/23	87	65	76	-2	372	602	1.72	87	75	81	.30	NA	4133	.15
6/24	84	58	71	-7	383	623	.00	88	71	80	.28	NA	7951	.22
6/25	85	56	71	-7	394	644	.00	89	72	81	.26	NA	7832	.23
6/26	86	56	71	-7	405	665	.00	92	72	82	.20	NA	8585	.24
6/27	88	59	74	-4	419	689	.00	90	72	81	.23	NA	7917	.23
6/28	91	62	77	-1	436	716	.00	95	74	85	.26	NA	8221	.25
6/29	93	65	79	0	455	745	.00	95	75	85	.17	NA	7796	.24
6/30	92	66	79	0	474	774	.00	98	79	89	.24	NA	7991	.24

AIR TEMPERATURES (in degrees F):
Mean Maximum= 88.1 Mean Minimum= 62.8 Average= 75.5
DFN= -1.5 DFN= -.2 DFN= -.8
Highest= 95 Lowest= 53

PRECIPITATION STATISTICS (inches):
Total= 7.25 DFN= +3.83 Greatest Daily= 1.98 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 98 Lowest= 64 Average= 82

AVERAGE DAILY VALUES:
Pan Evaporation= .23 (in) Hours of Wet Vegetation= NA
Solar Energy= 6878.5 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .21 (in)

Daily Weather Observations: Upper Coastal Plain Substation, Winfield

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
7/ 1	92	68	80	1	20	30	.00	97	78	88	.43	NA	7690	.23
7/ 2	92	71	82	3	42	62	.00	97	80	89	.27	NA	8901	.26
7/ 3	94	66	80	1	62	92	1.47	77	NA	NA	.38	NA	5097	.19
7/ 4	90	65	78	-1	80	120	.00	90	76	83	.25	NA	7776	.23
7/ 5	91	66	79	0	99	149	.00	91	75	83	.30	NA	NA	.23
7/ 6	89	68	79	0	118	178	.00	91	76	84	.33	NA	4903	.17
7/ 7	92	70	81	1	139	209	.00	94	77	86	.16	NA	7446	.23
7/ 8	97	71	84	4	163	243	.00	94	81	88	.27	NA	7509	.24
7/ 9	97	71	84	4	187	277	.00	96	81	89	.27	NA	6555	.22
7/10	88	68	78	-2	205	305	.00	84	78	81	.06	NA	2677	.12
7/11	93	69	81	1	226	336	.00	92	78	85	.26	NA	6650	.22
7/12	90	68	79	-1	245	365	.19	91	78	85	.15	NA	5131	.18
7/13	88	69	79	-1	264	394	.68	91	78	85	.18	NA	4497	.16
7/14	86	62	74	-6	278	418	.12	84	75	80	.16	NA	4523	.16
7/15	79	58	69	-11	287	437	.00	86	74	80	.20	NA	6350	.17
7/16	83	60	72	-8	299	459	.00	86	74	80	.19	NA	7551	.21
7/17	86	60	73	-7	312	482	.00	84	73	79	.19	NA	6460	.20
7/18	87	65	76	-4	328	508	Trace	81	74	78	.14	NA	3720	.14
7/19	88	65	77	-3	345	535	.00	84	74	79	.15	NA	4792	.17
7/20	89	66	78	-2	363	563	.00	86	75	81	.20	NA	6621	.20
7/21	88	71	80	0	383	593	.00	87	77	82	.19	NA	5256	.17
7/22	90	71	81	1	404	624	Trace	90	78	84	.19	NA	5428	.18
7/23	89	68	79	-1	423	653	.46	89	79	84	.26	NA	5588	.18
7/24	88	69	79	-1	442	682	.10	89	78	84	.16	NA	4975	.16
7/25	88	62	75	-5	457	707	.00	89	78	84	.18	NA	6888	.21
7/26	89	60	75	-5	472	732	.00	88	76	82	.21	NA	7354	.22
7/27	92	61	77	-3	489	759	.00	90	76	83	.23	NA	7281	.23
7/28	91	65	78	-2	507	787	.00	89	79	84	.32	NA	6600	.21
7/29	93	62	78	-2	525	815	.00	91	78	85	.24	NA	6827	.22
7/30	95	64	80	0	545	845	.00	92	79	86	.25	NA	7526	.24
7/31	95	65	80	0	565	875	.06	93	79	86	.20	NA	7526	.24

AIR TEMPERATURES (in degrees F):
Mean Maximum= 90.0 Mean Minimum= 65.9 Average= 78.0
DFN= -2.3 DFN= -.9 DFN= -1.6
Highest= 97 Lowest= 58

PRECIPITATION STATISTICS (inches):
Total= 3.08 DFN= -2.00 Greatest Daily= 1.47 Rain Days= 7

SOIL TEMPERATURES (in degrees F):
Highest= 97 Lowest= 73 Average= 83

AVERAGE DAILY VALUES:
Pan Evaporation= .22 (in) Hours of Wet Vegetation= NA
Solar Energy= 6203.3 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .20 (in)

Daily Weather Observations: Upper Coastal Plain Substation, Winfield

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
8/ 1	94	67	81	1	21	31	Trace	91	78	85	.16	NA	1338	.11
8/ 2	90	68	79	-1	40	60	1.23	88	78	83	.41	NA	4557	.16
8/ 3	84	65	75	-5	55	85	.38	85	77	81	.09	NA	3673	.13
8/ 4	91	61	76	-4	71	111	.00	89	79	84	.21	NA	6296	.21
8/ 5	93	68	81	1	92	142	.00	94	78	86	.24	NA	6468	.21
8/ 6	90	66	78	-2	110	170	.05	89	79	84	.26	NA	6321	.20
8/ 7	88	61	75	-5	125	195	.00	89	75	82	.27	NA	6805	.21
8/ 8	84	59	72	-7	137	217	.00	86	75	81	.22	NA	7425	.21
8/ 9	86	57	72	-7	149	239	.00	87	75	81	.22	NA	7207	.21
8/10	88	57	73	-6	162	262	.00	87	73	80	.29	NA	6814	.21
8/11	89	63	76	-3	178	288	.00	87	75	81	.19	NA	6569	.20
8/12	92	62	77	-2	195	315	.00	86	77	82	.20	NA	6759	.22
8/13	92	60	76	-3	211	341	.00	94	77	86	.24	NA	6892	.22
8/14	91	61	76	-3	227	367	.00	92	76	84	.26	NA	6168	.20
8/15	93	66	80	1	247	397	.00	87	78	83	.21	NA	4912	.18
8/16	94	64	79	0	266	426	.00	90	88	89	.36	NA	6277	.21
8/17	97	65	81	2	287	457	.00	91	89	90	.18	NA	6872	.23
8/18	99	67	83	4	310	490	.00	91	81	86	.38	NA	6531	.23
8/19	100	67	84	5	334	524	.00	91	80	86	.24	NA	5511	.21
8/20	100	70	85	6	359	559	.00	91	80	86	.19	NA	6100	.22
8/21	100	69	85	7	384	594	Trace	92	81	87	.23	NA	5872	.22
8/22	97	67	82	4	406	626	.30	92	79	86	.36	NA	5399	.20
8/23	94	67	81	3	427	657	.00	90	79	85	.19	NA	6226	.21
8/24	90	65	78	0	445	685	.00	87	78	83	.22	NA	5056	.17
8/25	93	64	79	1	464	714	.00	89	78	84	NA	NA	5509	.19
8/26	97	63	80	2	484	744	.00	91	78	85	.28	NA	6895	.24
8/27	98	67	83	5	507	777	.00	92	78	85	.26	NA	6462	.23
8/28	101	66	84	6	531	811	.00	93	80	87	.33	NA	6568	.24
8/29	101	66	84	6	555	845	.00	93	80	87	.16	NA	5715	.22
8/30	102	66	84	7	579	879	.11	94	79	87	.36	NA	6224	.24
8/31	94	60	77	0	596	906	.00	95	77	86	.25	NA	6108	.21

AIR TEMPERATURES (in degrees F):
Mean Maximum= 93.6 Mean Minimum= 64.3 Average= 79.0
DFN= +1.9 DFN= -1.5 DFN= +.2
Highest= 102 Lowest= 57

PRECIPITATION STATISTICS (inches):
Total= 2.07 DFN= -1.06 Greatest Daily= 1.23 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 95 Lowest= 73 Average= 84

AVERAGE DAILY VALUES:
Pan Evaporation= .25 (in) Hours of Wet Vegetation= NA
Solar Energy= 5984.8 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .21 (in)

Daily Weather Observations: Upper Coastal Plain Substation, Winfield

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
9/ 1	95	62	79	2	19	29	.00	95	76	86	.32	NA	6563	.22
9/ 2	93	68	81	4	40	60	Trace	90	80	85	.33	NA	5301	.18
9/ 3	98	67	83	6	63	93	.00	93	79	86	.15	NA	6165	.22
9/ 4	99	67	83	6	86	126	.00	92	80	86	.21	NA	4346	.19
9/ 5	101	68	85	8	111	161	.00	91	78	85	.24	NA	5616	.22
9/ 6	98	67	83	7	134	194	.00	94	81	88	.23	NA	5597	.21
9/ 7	100	67	84	8	158	228	.00	93	79	86	.19	NA	4972	.20
9/ 8	99	68	84	8	182	262	.00	94	79	87	.34	NA	5817	.21
9/ 9	101	65	83	7	205	295	.00	93	80	87	.32	NA	5972	.23
9/10	96	65	81	5	226	326	.15	93	78	86	.18	NA	4847	.19
9/11	94	65	80	5	246	356	.52	91	76	84	.21	NA	4307	.17
9/12	91	65	78	3	264	384	Trace	88	75	82	.17	NA	5160	.18
9/13	92	68	80	5	284	414	1.33	98	77	88	.35	NA	4936	.17
9/14	86	68	77	3	301	441	.25	84	76	80	.31	NA	3091	.12
9/15	89	68	79	5	320	470	Trace	86	76	81	.07	NA	4239	.15
9/16	90	54	72	-2	332	492	.00	87	73	80	.14	NA	5755	.20
9/17	87	54	71	-2	343	513	.00	84	73	79	.22	NA	6278	.20
9/18	85	52	69	-4	352	532	.00	82	70	76	.25	NA	6475	.20
9/19	88	52	70	-3	362	552	.00	83	69	76	.19	NA	6390	.20
9/20	91	57	74	1	376	576	.48	85	71	78	.21	NA	5462	.19
9/21	90	65	78	6	394	604	.00	85	74	80	.17	NA	4864	.17
9/22	91	67	79	7	413	633	Trace	87	75	81	.09	NA	5047	.17
9/23	78	51	65	-7	418	648	.00	79	69	74	.24	NA	2530	.09
9/24	70	39	55	-16	418	653	.00	78	65	72	.21	NA	6491	.16
9/25	73	38	56	-15	418	659	.00	78	64	71	.16	NA	6558	.17
9/26	79	38	59	-11	418	668	.00	79	63	71	.18	NA	6470	.19
9/27	85	41	63	-7	421	681	.00	81	64	73	.17	NA	6258	.20
9/28	88	49	69	0	430	700	.00	83	68	76	.20	NA	6056	.20
9/29	90	55	73	4	443	723	.00	82	69	76	.10	NA	5857	.19
9/30	88	59	74	5	457	747	.00	85	72	79	.18	NA	5522	.18

AIR TEMPERATURES (in degrees F):
Mean Maximum= 90.2 Mean Minimum= 59.0 Average= 74.6
DFN= +3.6 DFN= -1.2 DFN= +1.2
Highest= 101 Lowest= 38

PRECIPITATION STATISTICS (inches):
Total= 2.73 DFN= -1.12 Greatest Daily= 1.33 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 98 Lowest= 63 Average= 80

AVERAGE DAILY VALUES:
Pan Evaporation= .21 (in) Hours of Wet Vegetation= NA
Solar Energy= 5431.4 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .18 (in)

Daily Weather Observations: Upper Coastal Plain Substation, Winfield

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
10/ 1	86	60	73	5	13	23	.00	83	74	79	.23	NA	4284	.14
10/ 2	85	54	70	2	23	43	.00	83	71	77	.19	NA	4217	.15
10/ 3	88	53	71	4	34	64	.00	84	70	77	.20	NA	5611	.18
10/ 4	85	65	75	8	49	89	.09	80	72	76	.09	NA	2863	.11
10/ 5	82	48	65	-1	54	104	.97	80	67	74	.27	NA	3310	.12
10/ 6	87	47	67	1	61	121	.00	78	65	72	.19	NA	5884	.19
10/ 7	84	48	66	0	67	137	.00	79	66	73	.17	NA	5683	.18
10/ 8	86	51	69	4	76	156	.00	84	70	77	.10	NA	3364	.13
10/ 9	85	53	69	4	85	175	.00	78	73	76	.08	NA	2074	.10
10/10	88	49	69	5	94	194	Trace	81	70	76	.25	NA	4876	.17
10/11	58	43	51	-13	94	195	.00	71	64	68	.13	NA	2486	.03
10/12	70	43	57	-7	94	202	.00	73	63	68	.14	NA	4759	.12
10/13	72	48	60	-3	94	212	.00	74	64	69	.13	NA	3306	.09
10/14	74	39	57	-6	94	219	.00	75	63	69	.12	NA	4306	.12
10/15	81	39	60	-2	94	229	.00	76	62	69	.13	NA	5305	.17
10/16	85	44	65	3	99	244	.00	77	64	71	.13	NA	5149	.17
10/17	87	52	70	9	109	264	.00	78	66	72	.24	NA	4918	.17
10/18	79	53	66	5	115	280	1.06	73	67	70	.01	NA	1574	.07
10/19	66	34	50	-11	115	280	.00	73	59	66	.19	NA	5457	.12
10/20	70	34	52	-8	115	282	.00	70	57	64	.17	NA	5408	.14
10/21	71	40	56	-4	115	288	.00	68	56	62	.14	NA	5268	.13
10/22	76	52	64	4	119	302	.85	79	62	71	.19	NA	2641	.08
10/23	65	50	58	-1	119	310	.18	68	63	66	.08	NA	1086	.02
10/24	59	36	48	-11	119	310	.00	65	56	61	.05	NA	1209	.01
10/25	69	36	53	-6	119	313	.00	66	55	61	.13	NA	4518	.11
10/26	60	29	45	-13	119	313	.00	64	53	59	.15	NA	5016	.10
10/27	63	29	46	-12	119	313	.00	63	51	57	.14	NA	5065	.11
10/28	72	29	51	-7	119	314	.00	65	54	60	.11	NA	5031	.14
10/29	72	32	52	-5	119	316	.00	65	52	59	.16	NA	4896	.13
10/30	72	31	52	-5	119	318	.00	64	52	58	.13	NA	5018	.14
10/31	77	33	55	-1	119	323	.00	66	51	59	.11	NA	4846	.15

AIR TEMPERATURES (in degrees F):
Mean Maximum= 75.9 Mean Minimum= 43.7 Average= 59.8
DFN= -1.4 DFN= -2.6 DFN= -2.0
Highest= 88 Lowest= 29

PRECIPITATION STATISTICS (inches):
Total= 3.15 DFN= +.22 Greatest Daily= 1.06 Rain Days= 5

SOIL TEMPERATURES (in degrees F):
Highest= 84 Lowest= 51 Average= 68

AVERAGE DAILY VALUES:
Pan Evaporation= .15 (in) Hours of Wet Vegetation= NA
Solar Energy= 4175.1 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .12 (in)

Daily Weather Observations: Upper Coastal Plain Substation, Winfield

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
11/ 1	79	35	57	1	0	7	.00	67	54	61	.14	NA	4712	.15
11/ 2	80	36	58	2	0	15	.00	67	55	61	.11	NA	4598	.15
11/ 3	80	38	59	4	0	24	.00	68	54	61	.15	NA	4594	.15
11/ 4	81	43	62	7	2	36	.00	69	56	63	.13	NA	4200	.14
11/ 5	80	50	65	10	7	51	.12	70	59	65	.18	NA	4109	.13
11/ 6	55	36	46	-9	7	51	.21	63	55	59	.07	NA	1043	.03
11/ 7	66	31	49	-5	7	51	.00	63	52	58	.10	NA	4551	.11
11/ 8	67	34	51	-3	7	52	.00	63	51	57	.11	NA	4297	.10
11/ 9	59	40	50	-3	7	52	.57	58	52	55	.11	NA	1988	.02
11/10	56	36	46	-7	7	52	1.08	60	50	55	.07	NA	245	.03
11/11	60	29	45	-8	7	52	.00	60	50	55	.07	NA	3656	.07
11/12	71	31	51	-2	7	53	.00	61	51	56	.11	NA	4273	.12
11/13	76	35	56	4	7	59	.00	63	51	57	.12	NA	4150	.13
11/14	77	34	56	4	7	65	.00	63	52	58	.10	NA	4227	.13
11/15	79	36	58	6	7	73	.00	64	51	58	.11	NA	4208	.14
11/16	75	37	56	4	7	79	.00	64	51	58	.10	NA	3889	.12
11/17	76	34	55	4	7	84	.03	63	53	58	.11	NA	3239	.11
11/18	62	29	46	-5	7	84	.00	63	50	57	.10	NA	4093	.08
11/19	66	29	48	-3	7	84	.00	60	50	55	.10	NA	4156	.10
11/20	73	32	53	3	7	87	.00	60	49	55	.07	NA	3324	.10
11/21	75	41	58	8	7	95	.00	63	54	59	.11	NA	2920	.09
11/22	75	41	58	8	7	103	.00	64	54	59	.10	NA	3071	.10
11/23	70	45	58	9	7	111	.42	61	55	58	.08	NA	1455	.04
11/24	70	32	51	2	7	112	.00	67	53	60	.12	NA	3078	.09
11/25	72	32	52	3	7	114	.00	61	52	57	.12	NA	3918	.11
11/26	73	36	55	6	7	119	.00	62	51	57	.11	NA	4775	.13
11/27	74	58	66	17	13	135	.00	64	59	62	.06	NA	1112	.04
11/28	79	53	66	18	19	151	1.29	68	64	66	.21	NA	2193	.08
11/29	60	30	45	-3	19	151	.04	64	52	58	.04	NA	954	.01
11/30	55	22	39	-9	19	151	.00	57	47	52	NA	NA	3920	.06

AIR TEMPERATURES (in degrees F):
Mean Maximum= 70.7 DFN= +5.6 Mean Minimum= 36.5 DFN= -1.4 Average= 53.6 DFN= +2.1
Highest= 81 Lowest= 22

PRECIPITATION STATISTICS (inches):
Total= 3.76 DFN= -.81 Greatest Daily= 1.29 Rain Days= 8

SOIL TEMPERATURES (in degrees F):
Highest= 70 Lowest= 47 Average= 58

AVERAGE DAILY VALUES:
Pan Evaporation= .11 (in) Hours of Wet Vegetation= NA
Solar Energy= 3364.9 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .09 (in)

Daily Weather Observations: Upper Coastal Plain Substation, Winfield

	AIR TEMPERATURE				GDD			4 INCH SOIL				VEG	SOLAR	
DATE	MAX	MIN	AVG	DFN	B60	B50	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY	PET
12/ 1	60	22	41	-7	0	0	.00	55	46	51	NA	NA	3955	.08
12/ 2	64	28	46	-1	0	0	.22	55	45	50	NA	NA	2412	.06
12/ 3	64	50	57	10	0	7	1.51	60	55	58	NA	NA	411	.02
12/ 4	66	27	47	0	0	7	.60	62	48	55	NA	NA	1172	.04
12/ 5	47	18	33	-14	0	7	.00	54	44	49	NA	NA	3795	.04
12/ 6	53	18	36	-10	0	7	.00	53	44	49	NA	NA	NA	.05
12/ 7	57	21	39	-7	0	7	.00	53	44	49	NA	NA	2892	.05
12/ 8	52	20	36	-10	0	7	.00	52	44	48	NA	NA	1577	.01
12/ 9	55	21	38	-7	0	7	.00	51	41	46	NA	NA	3686	.06
12/10	64	22	43	-2	0	7	.00	53	42	48	NA	NA	1577	.05
12/11	67	25	46	1	0	7	.00	54	45	50	NA	NA	3668	.09
12/12	62	25	44	-1	0	7	.00	54	45	50	NA	NA	3552	.08
12/13	67	27	47	2	0	7	.00	55	44	50	NA	NA	2938	.08
12/14	64	42	53	8	0	10	Trace	58	54	56	NA	NA	678	.01
12/15	61	44	53	8	0	13	Trace	57	53	55	NA	NA	1137	.01
12/16	71	46	59	15	0	22	.24	60	56	58	NA	NA	1323	.04
12/17	55	46	51	7	0	23	.21	56	56	56	NA	NA	675	.00
12/18	69	52	61	17	1	34	.47	61	55	58	NA	NA	726	.02
12/19	71	35	53	9	1	37	.48	67	54	61	NA	NA	558	.04
12/20	60	37	49	5	1	37	.00	59	52	56	NA	NA	2394	.03
12/21	63	51	57	13	1	44	.11	60	54	57	NA	NA	254	.01
12/22	65	56	61	17	2	55	2.65	64	59	62	NA	NA	646	.01
12/23	66	54	60	16	2	65	5.93	64	54	59	NA	NA	265	.02
12/24	54	15	35	-8	2	65	.24	54	41	48	NA	NA	414	.07
12/25	30	12	21	-22	2	65	.00	46	39	43	NA	NA	3186	.00
12/26	38	12	25	-18	2	65	.00	46	39	43	NA	NA	2741	.00
12/27	44	26	35	-8	2	65	Trace	45	40	43	NA	NA	1825	.00
12/28	51	36	44	1	2	65	.49	48	44	46	NA	NA	6487	.09
12/29	65	48	57	14	2	72	.08	55	48	52	NA	NA	1042	.01
12/30	69	55	62	19	4	84	Trace	60	55	58	NA	NA	575	.01
12/31	77	26	52	10	4	86	.65	65	49	57	NA	NA	1026	.07

AIR TEMPERATURES (in degrees F):
Mean Maximum= 59.7 Mean Minimum= 32.8 Average= 46.3
DFN= +3.6 DFN= +.2 DFN= +1.9
Highest= 77 Lowest= 12

PRECIPITATION STATISTICS (inches):
Total= 13.88 DFN= +8.20 Greatest Daily= 5.93 Rain Days= 14

SOIL TEMPERATURES (in degrees F):
Highest= 67 Lowest= 39 Average= 52

AVERAGE DAILY VALUES:
Pan Evaporation= NA (in) Hours of Wet Vegetation= NA
Solar Energy= 1919.6 (W/Sq M ystdy)
Potential evapotranspiration (PET)= .04 (in)