

ENVIRONMENTAL STUDIES SERVICE CENTER  
STONEVILLE, MISSISSIPPI

SUMMARY OF WEATHER OBSERVATIONS - 1979

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Temperature													
Average Maximum	41.0	48.1	66.0	73.0	79.0	87.1	89.8	88.6	82.2	78.7	61.4	54.8	70.8
Average Minimum	27.2	32.4	45.0	54.9	60.8	67.9	72.6	69.3	61.9	51.1	38.8	34.8	51.4
Departure of Mean from Normal	-10.1	-7.1	+1.4	-0.8	-2.5	-1.9	-0.5	-1.8	-2.7	0.0	-3.7	-1.4	-2.6
Highest	64	73	81	83	88	95	97	93	91	90	78	72	97
Lowest	15	16	33	39	48	58	67	62	53	37	23	19	15
Temperature Average													
1-inch Maximum	42.6	49.2	66.5	77.5	86.5	94.8	99.6	99.3	88.9	80.1	63.2	53.4	75.1
1-inch Minimum	36.6	38.9	47.7	60.0	65.7	73.8	79.1	77.7	70.5	59.6	46.3	41.0	58.1
2-inch Maximum	41.6	47.0	61.6	72.9	81.6	89.1	93.2	93.6	85.1	76.0	60.1	50.9	71.1
2-inch Minimum	38.0	40.2	49.7	61.1	67.7	75.7	80.6	76.9	73.5	63.1	49.4	42.7	59.9
3-inch Maximum	40.9	44.6	57.1	68.0	76.2	84.3	88.2	88.8	81.8	72.1	57.1	48.1	67.3
3-inch Minimum	37.8	39.8	51.1	61.8	69.3	77.4	82.0	82.4	76.1	65.9	51.6	43.5	61.6
Freezing Degree Days													
30-degree base	53	130	482	709	931	1130	1277	1178	958	761	301	185	8095
40-degree base	12	36	213	409	621	830	967	868	658	451	83	40	5187
50-degree base	0	3	62	147	317	530	657	558	358	178	9	1	2820
65-degree base	0	0	22	60	182	380	502	403	209	81	0	0	1839
Total Precipitation (inches)	11.65	4.24	5.51	10.22	7.96	3.68	6.31	2.84	5.55	3.57	7.03	3.20	71.76
Departure from 1941-70 Normal (inches)	7.02	-.97	-.12	5.13	3.38	.01	2.53	.06	2.47	1.06	2.61	-1.79	21.39
Maximum Precipitation (inches)	.2	.5	0	0	0	0	0	0	0	0	0	0	.7
Evaporation (inches)	* -	0.79	4.61	4.44	7.24	8.02	7.11	6.52	4.97	5.44	2.73	* -	49.87
Hourly Radiation (langleys)	173	223	394	438	516	595	542	546	460	409	304	234	4834

Spring freeze Feb 27. First fall freeze Nov 14. Growing season 260 days.

More Than 10 days frozen.

Additional Information: The 1979 yearly average temperature of 61.1°F was the coldest ever in the 49 years of temperature records dating back to 1931. The previous cold record was 61.6°F in 1960. There were four record lows established for particular dates - two in January, one in October, and one in December. There were no record highs.

Total rainfall of 71.76 inches was the fourth highest in the 65 years of precipitation records; highest was 76.24 inches in 1923. There were 10 days of frozen precipitation in January and February; greatest accumulation was .5 inch with the being .1 inch or less.

April through October open pan evaporation of 43.74 inches was the lowest in 21 years of evaporation records.