U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE OFFICE FOR AGRICULTURE
DELTA BRANCH EXPERIMENT STATION
STONEVILLE, MISSISSIPPI

SUMMARY OF WEATHER OBSERVATIONS -- 1970

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Air Temperature													
Average Maximum	46.5	54.8	59.7	76.0	84.8	89.4	90.5	90.0	89.4	73.5	61.4	60.3	73.0
Average Minimum	29.7	33.9	42.1	56.4	62.9	69.6	70.5	70.8	68.9	52.2	41.4	40.4	53.2
Highest	75	68	75	87	94	97	102	97	95	89	77	78	102
Lowest	13	17	30	40	47	59	62	62	48	40	18	26	13
Soil Temperature													
2-inch Average Maximum	48.4	55.1	63.0	78.6	93.1	100.3	102.5	99.5	99.7	79.4	64.4	60.9	78.7
2-inch Average Minimum	38.0	40.7	47.9	60.7	69.1	77.1	79.4	79.5	77.4	61.5	48.3	46.9	60.5
Growing Degree-Days													
40-degree Base	123	159	336	791	1051	1184	1256	1250	1172	702	361	350	8735
50-degree Base	33	14	97	492	742	884	946	940	872	392	130	159	5701
60-degree Base	0	0	8	217	435	584	636	630	572	133	24	50	3289
65-degree Base	0	0	0	147	297	434	464	475	432	55	2	13	2319
1960-1970 Average													
50-degree Base	46	44	175	463	702	883	985	932	737	438	176	58	5639
60-degree Base	8	5	44	196	396	584	675	622	439	172	37	10	3188
Precipitation (inches)	1.59	3.63	7.51	8.42	1.79	2.36	1.93	5.01	1.78	7.84	2.80	5.02	49.68
Evaporation (inches)	--	--	--	6.35	8.62	8.58	8.35	6.95	6.41	3.78	--	--	---
Daily Average Solar Radiation (langleys)	259	300	361	429	548E	551	499	464	453	323	309	219	

Last spring freeze March 15. First fall killing frost and freeze November 16.
Growing season 246 days.

E - Estimated

LONG TERM AVERAGES

	YRS.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Maximum Temperature	40	54.6	58.0	65.6	75.5	83.4	90.4	92.4	92.2	87.2	78.3	65.5	56.6	75.0
Minimum Temperature	40	34.7	41.3	43.5	51.6	60.8	68.1	70.9	69.6	63.1	51.5	41.8	36.5	52.8
Precipitation	56	4.92	4.70	5.24	5.10	4.47	3.51	3.70	2.80	2.82	2.71	4.44	5.38	49.79
Solar Radiation	11	241	331	414	493	591	582	557	527	445	371	283	222	
Evaporation	12	--	--	--	5.77	7.81	8.46	8.26	7.46	5.81	4.45	--	--	
Soil Temperature														
2-inch mean	12	44.2	47.7	55.3	68.8	79.1	85.7	90.3	89.4	82.2	70.3	57.0	47.9	
8-inch mean	11	43.1	45.2	51.9	64.8	75.1	83.2	87.6	86.7	80.0	69.3	56.7	47.4	