

USDA/OCE World Agricultural Outlook Board
Stoneville Field Office
and
Mississippi State University Delta Research and Extension Center
Summary of Agricultural Weather Observations* - 2004

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
AIR TEMPERATURE													
Average Maximum	53.5	51.5	69.5	74.7	83.2	87.1	90.1	89.4	88.6	81.8	67.2	54.3	74.2
Average Minimum	34.8	33.9	48.4	53.8	65.2	70.7	71.7	67.0	64.3	61.2	49.8	33.7	54.5
Departure of Mean From Normal**	2.5	-3.7	4.2	0.6	1.6	-0.9	-1.6	-2.8	1.5	7.2	5.0	-0.9	1.1
Highest Temperature	72.0	73.0	85.0	89.0	90.0	94.0	97.0	96.0	93.0	89.0	81.0	71.0	97.0
Lowest Temperature	20.0	24.0	34.0	37.0	47.0	62.0	63.0	54.0	52.0	42.0	37.0	18.0	18.0
SOIL TEMPERATURE AVERAGES													
2 inch maximum	54.3	53.7	71.0	80.0	88.5	95.0	101.0	100.0	96.5	82.4	67.3	55.7	78.8
2 inch minimum	40.2	39.5	51.7	58.0	69.3	76.0	77.4	75.1	72.8	65.5	53.3	40.1	59.9
4 inch maximum	52.0	50.5	66.3	74.8	82.9	89.5	94.2	93.8	90.7	78.7	65.0	52.8	74.3
4 inch minimum	44.5	43.5	55.4	61.4	71.6	77.9	79.6	78.6	76.6	68.9	57.0	44.5	63.3
8 inch maximum	50.4	48.3	61.7	68.7	77.2	84.0	87.7	87.1	84.9	75.0	64.0	51.2	70.0
8 inch minimum	47.1	45.6	57.7	64.0	73.3	79.8	82.3	81.8	80.1	71.6	61.0	48.0	66.0
20 inch observation	51.7	48.9	58.6	64.8	72.7	79.6	82.7	83.4	81.7	74.4	66.3	54.7	68.3
TOTAL PRECIPITATION (inches)	3.59	8.24	2.12	4.12	7.25	12.45	3.08	2.15	0.03	7.13	11.84	6.00	68.00
DEPARTURE FROM 30 YR AVERAGE**	-1.83	3.78	-3.51	-1.32	2.00	8.43	-0.78	0.10	-3.16	3.81	6.64	0.55	14.71
AVG SOLAR RADIATION (langleys/day)	256	267	428	534	510	530	518	506	454	292	182	204	390
TOTAL EVAPORATION (inches)	0.00	0.00	0.00	6.66	7.47	6.55	7.21	7.57	7.41	4.78	0.00	0.00	47.65
TOTAL WIND RUN AT EVAP PAN (miles)	2339	2374	2303	2225	2346	1261	1064	1375	1482	1852	1574	1964	22159
RELATIVE HUMIDITY													
Average Maximum	92	94	89	87	91	92	94	93	87	90	93	92	91
Average Minimum	54	58	41	37	50	52	52	42	36	49	61	49	48

LAST SPRING FREEZE/AIR TEMP <=32, FEB 28 - FIRST FALL FREEZE/AIR TEMP <=32, DEC 14 - GROWING SEASON 290 DAYS, NORMAL 225 DAYS

NEW HIGH TEMP RECORDS WERE SET ON MAR 21 (85° F), APR 25 (88° F), & OCT 28 (88° F); NEW LOW TEMP RECORDS WERE SET JUL 28 (63° F), AUG 7 (61° F) & AUG 15 (55° F).
 NEW 1st RECORD-BREAKING RAINFALL FOR JUNE. OTHER WETTEST MONTHS INCLUDED 9th WETTEST FEBRUARY, 7th WETTEST OCTOBER & 2nd WETTEST NOVEMBER. DRIEST MONTHS INCLUDED 6th DRIEST MARCH & 2nd DRIEST SEPTEMBER.

*BASED ON DATA FROM THE NATIONAL WEATHER SERVICE COOPERATIVE OBSERVING STATION LOCATED IN STONEVILLE, MS

**Monthly normals were based on the period of record from 1971-2000 and were obtained from NOAA/NESDIS/NCDC