

**USDA/OCE World Agricultural Outlook Board
Stoneville Field Office
and
Mississippi State University Delta Research and Extension Center
Summary of Agricultural Weather Observations* - 2007**

AIR TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Average Maximum	52.6	54.5	76.2	73.2	85.7	91.3	88.7	98.0	87.9	79.0	67.0	60.6	76.2
Average Minimum	36.0	33.4	50.0	51.3	63.5	70.0	70.8	73.6	67.4	55.2	44.2	39.6	54.5
Departure of Mean From Normal**	2.7	-2.5	8.3	-1.5	2.4	0.9	-2.8	4.8	2.8	2.8	2.1	5.2	2.1
Highest Temperature	75.0	79.0	87.0	88.0	91.0	95.0	94.0	103.0	94.0	92.0	80.0	80.0	103.0
Lowest Temperature	25.0	21.0	29.0	32.0	50.0	64.0	61.0	69.0	55.0	42.0	30.0	29.0	21.0
SOIL TEMPERATURE AVERAGES													
2 inch maximum	54.5	56.2	78.0	80.8	92.7	101.7	97.1	109.9	92.6	82.1	67.2	60.0	81.0
2 inch minimum	40.3	38.4	54.6	58.0	70.8	78.5	77.1	85.3	72.7	62.6	49.7	44.1	61.0
4 inch maximum	52.3	52.2	72.3	75.3	86.6	94.3	90.8	102.5	87.0	78.2	64.3	57.3	76.0
4 inch minimum	44.9	42.8	58.9	62.1	73.6	80.9	79.4	88.1	76.0	67.0	54.3	47.9	64.6
8 inch maximum	51.0	49.4	65.7	70.1	80.1	88.2	85.5	95.5	82.8	74.7	62.3	55.5	71.7
8 inch minimum	48.4	46.0	61.1	65.1	75.3	83.0	81.6	90.1	78.6	71.0	58.5	52.2	67.5
20 inch observation	53.2	50.0	61.7	67.0	75.1	82.4	82.2	89.2	81.6	75.0	63.9	58.0	69.9
TOTAL PRECIPITATION (inches)	5.92	1.79	0.67	3.38	1.27	3.91	7.74	3.43	4.65	4.22	1.95	3.69	42.62
DEPARTURE FROM 30 YR AVERAGE**	0.50	-2.67	-4.96	-2.06	-3.98	-0.11	3.88	1.38	1.46	0.90	-3.25	-1.76	-10.67
AVG SOLAR RADIATION (langleys/day)	189	304	447	489	537	571	488	543	411	340	256	188	397
TOTAL EVAPORATION (inches)	0.00	0.00	5.76	6.79	8.27	8.24	6.49	8.59	6.04	4.49	2.99	0.00	57.66
TOTAL WIND RUN AT EVAP PAN (miles)	2001	2331	2062	1991	1602	1131	922	893	1151	1237	1653	1914	18888
RELATIVE HUMIDITY													
Average Maximum	94	91	87	86	86	91	94	89	93	93	92	94	91
Average Minimum	59	45	31	35	63	40	54	35	45	47	50	57	47

LAST SPRING FREEZE/AIR TEMP <=32, APR 8 - FIRST FALL FREEZE/AIR TEMP <=32, NOV 7 - 213 GROWING SEASON DAYS, NORMAL 260 DAYS***

NEW HIGH TEMP RECORDS WERE SET ON FEB 22 (79' F), MAR 25 & 27 (85' F), MAR 29 (86' F), APR 4 (88' F), AUG 13, 14, 15 & 16 (101, 103, 102 & 103' F), OCT 9 (92' F), DEC 10 (80' F).

NEW LOW TEMP RECORDS WERE SET ON APR 7 & 8 (33, 32' F),

ADDITIONAL INFO: 2nd DRIEST March, 9th DRIEST November, 10th DRIEST February & May, 7th WETTEST July, 1st WARMEST AUGUST, 2nd WARMEST MARCH, 8th COOLEST JULY

*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

***Growing season normal was based on the period of record from 1971-2000 in Stoneville