

**USDA/OCE World Agricultural Outlook Board
Stoneville Field Office
and
Mississippi State University Delta Research and Extension Center
Summary of Agricultural Weather Observations* - 2003**

AIR TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Average Maximum	49.0	51.1	63.5	76.7	84.3	86.6	91.5	93.5	86.3	78.5	69.2	54.9	73.7
Average Minimum	28.8	36.0	43.6	54.1	63.9	67.8	71.9	71.9	63.2	54.9	47.7	34.1	53.1
Departure of Mean From Normal**	-2.7	-2.9	-1.3	1.7	1.5	-2.6	-0.8	1.7	-0.2	2.4	5.0	-0.4	0.1
Highest Temperature	69.0	68.0	78.0	87.0	93.0	93.0	98.0	100.0	92.0	91.0	84.0	71.0	100.0
Lowest Temperature	13.0	26.0	32.0	38.0	55.0	58.0	63.0	66.0	48.0	42.0	30.0	27.0	13.0
SOIL TEMPERATURE AVERAGES													
2 inch maximum	52.8	54.6	68.9	79.9	89.1	95.2	101.6	101.0	94.6	80.8	70.5	54.8	78.7
2 inch minimum	37.0	41.5	48.6	58.1	69.5	73.9	79.3	79.2	70.8	60.5	53.2	38.3	59.1
4 inch maximum	47.9	50.8	63.0	74.7	84.8	90.0	95.7	95.5	88.9	76.9	68.0	51.9	74.0
4 inch minimum	40.4	43.7	51.5	62.5	72.5	76.6	81.8	82.3	74.9	65.2	57.9	43.1	62.7
8 inch maximum	46.7	49.3	57.8	69.1	79.0	83.5	89.2	89.4	83.6	72.7	65.4	50.1	69.7
8 inch minimum	43.7	45.4	53.6	64.4	74.5	78.5	84.2	84.7	78.9	68.9	61.8	47.0	65.5
20 inch observation	48.8	49.3	55.0	64.8	74.1	78.9	84.1	85.3	81.2	72.6	66.4	53.1	67.8
TOTAL PRECIPITATION (inches)	1.41	7.64	2.54	3.78	2.55	7.30	2.46	1.53	4.94	3.97	3.76	3.31	45.19
DEPARTURE FROM 30 YR AVERAGE**	-4.01	3.18	-3.09	-1.66	-2.70	3.28	-1.40	-0.52	1.75	0.65	-1.44	-2.14	-8.10
AVG SOLAR RADIATION (langleys/day)	171	139	268	377	381	522	533	493	476	367	281	253	355
TOTAL EVAPORATION (inches)	0.00	0.00	0.00	7.19	7.19	7.60	7.50	6.90	6.35	4.04	0.00	0.00	46.77
TOTAL WIND RUN AT EVAP PAN (miles)	2363	2272	2058	2326	2450	1452	1083	986	1268	1280	2073	2019	21630
RELATIVE HUMIDITY													
Average Maximum	95	97	95	88	88	91	93	94	93	93	90	93	93
Average Minimum	56	69	60	38	44	61	54	44	40	42	50	50	51

LAST SPRING FREEZE/AIR TEMP <=32, MAR 3 - FIRST FALL FREEZE/AIR TEMP <=32, NOV 25 - GROWING SEASON 267 DAYS, NORMAL 225 DAYS

NEW HIGH TEMP RECORDS WERE SET MAY 10 (92°F), OCT 23 and 25 (both 91°F), & NOV 6 (84°F). WETTEST MONTH INCLUDED 5th WETTEST MONTH OF JUNE.
DRIEST MONTHS INCLUDED 4th DRIEST JANUARY & 9th DRIEST MARCH

*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