

**AICRP on Agrometeorology,
University of Agricultural Sciences, GKVK, Bangalore-560 065
Meteorological Observation at GKVK, Bangalore
PART- I**

**District: Bengaluru
State : Karnataka**

**Lat : 13° 05' N
Long: 77° 34' E
Alt. : 924 m (amsl)**

**Month: May
Year : 2024**

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 Cm	5 Cm	10Cm	10Cm	20Cm	20Cm
	0700	700	0700	1400	0700	1400		0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	37.2	20.0	25.0	32.8	20.0	21.4	6.9	24.0	38.2	25.2	38.0	25.0	32.0
2	38.0	20.2	25.0	35.4	20.4	23.2	7.1	25.0	40.0	25.2	39.6	25.8	39.0
3	38.4	21.0	25.2	34.2	21.0	22.4	7.1	25.2	40.0	25.8	39.4	26.0	39.0
4	37.0	20.8	24.2	35.4	20.2	23.4	6.8	24.0	34.2	25.2	33.0	25.6	32.0
5	37.8	20.0	25.0	35.4	22.0	23.4	7.1	23.0	34.0	24.2	33.2	25.0	32.0
6	37.0	20.2	24.2	35.2	20.8	23.4	6.8	25.2	40.0	25.6	39.2	26.0	39.0
7	36.2	20.0	24.2	33.2	20.2	22.8	6.6	23.2	39.0	24.0	37.2	24.2	37.0
8	35.0	20.0	23.2	33.0	20.0	21.0	6.3	23.2	35.2	24.0	34.0	24.2	33.6
9	34.8	20.8	24.8	32.2	21.0	21.2	6.1	22.0	34.2	23.2	33.0	23.4	32.4
10	34.2	20.0	24.2	33.0	20.2	21.0	6.1	22.2	33.2	23.0	32.0	23.8	31.0
11	34.0	20.0	23.2	34.2	20.0	22.4	6.0	21.0	32.0	22.2	31.0	23.0	30.0
12	34.4	20.2	24.0	34.0	20.8	22.0	6.1	20.2	30.2	21.2	29.8	21.6	29.0
13	34.0	20.8	24.0	28.4	20.2	19.0	5.9	20.0	31.0	21.6	30.0	22.0	29.2
14	33.0	20.0	23.0	30.0	19.4	20.2	5.7	20.0	32.0	20.8	31.0	21.0	30.0
15	33.4	20.2	24.0	31.6	20.0	21.8	5.8	21.2	33.0	22.4	32.4	23.0	32.0
16	32.8	20.0	24.2	29.8	20.8	20.6	5.7	21.0	32.0	21.8	32.6	22.0	32.8
17	32.0	19.2	24.2	29.2	20.8	20.0	5.6	20.0	33.0	21.2	32.4	21.8	32.0
18	31.2	19.0	23.2	28.4	21.0	19.0	5.4	20.2	32.0	21.0	31.0	22.0	30.0
19	31.0	18.8	23.4	29.8	21.0	20.6	5.3	20.0	31.0	20.2	30.2	21.0	29.0
20	30.0	18.0	23.2	28.2	21.0	20.0	5.2	20.2	30.8	21.0	30.0	22.0	29.2
21	30.2	19.2	22.0	29.6	20.0	22.4	5.0	20.0	32.2	20.8	30.0	21.0	29.4
22	29.8	19.0	23.0	30.0	21.2	22.0	5.0	20.2	32.0	21.8	31.4	22.0	31.0
23	31.0	20.2	23.0	30.2	20.6	23.4	5.1	20.2	35.8	22.4	35.0	23.0	34.0
24	31.2	20.0	23.0	30.0	21.4	23.0	5.2	21.0	32.0	22.2	33.2	22.8	34.0
25	30.8	19.6	23.2	30.2	21.2	23.4	5.1	20.2	30.2	20.8	29.2	21.2	29.0
26	30.2	21.2	23.2	30.0	21.0	22.6	4.7	20.2	31.2	22.0	30.4	23.0	30.0
27	31.0	20.4	23.0	30.2	21.2	22.0	5.1	21.0	30.2	22.2	29.8	23.0	29.0
28	30.8	21.0	23.2	30.0	20.8	23.0	4.9	20.0	33.0	21.2	32.6	23.0	32.0
29	31.2	20.8	23.6	31.0	21.8	23.4	5.0	21.2	33.6	22.0	33.2	22.8	32.8
30	31.8	20.4	23.4	31.2	21.0	24.0	5.3	20.0	36.0	21.2	35.2	23.4	34.2
31	32.8	21.2	23.4	33.0	21.2	24.0	5.3	21.2	38.0	22.2	36.4	23.6	35.2
Mean	33.3	20.1	23.7	31.6	20.7	22.0	5.8	21.5	33.8	22.5	33.1	23.1	32.3
Weekly mean													
Std.Week No:19 (May 7- May 13) No. of Days: 7													
Mean	37.4	20.3	24.7	34.5	20.7	22.9	6.2	24.2	37.9	25.0	37.1	25.4	35.7
Std.Week No:20 (May 14 - May 20) No. of Days: 7													
Mean	34.2	20.3	23.8	32.1	20.2	21.0	5.5	21.2	32.5	22.3	31.5	22.7	30.7
Std.Week No: 21 (May21 - May 27) No. of Days: 7													
Mean	31.5	19.2	23.5	29.5	20.7	20.6	5.0	20.4	32.0	21.2	31.2	21.8	30.6
Std.Week No:22 (May 28 - June 3) No. of Days: 7													
Mean	30.7	20.2	23.1	30.1	21.1	22.8	5.1	20.4	32.1	21.8	31.7	22.6	31.3

PART II

Time of Observation:

I--> 0700 Hours LMT = 0720 IST

II--> 1400 Hours LMT = 1420 IST

Month: May

Year : 2024

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. (mm)	Pr. Hg.	Rel. Hum. %		Speed (Km/hr)	Direction						
	0700	1400	0700	1400	0700	0700	1400	0700	0700	1400	0830	0830
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST
1	14.8	12.8	62	34	4.0	230	230	11.0	0	0	0.0	8.4
2	15.4	14.5	65	34	4.4	230	90	8.3	0	0	0.0	8.2
3	16.3	13.8	68	34	4.8	90	140	8.5	0	6	0.0	8.8
4	15.5	14.9	69	35	3.8	230	230	5.5	4	2	2.8	7.6
5	18.2	14.9	76	35	3.2	230	230	10.5	4	0	0.0	7.4
6	16.5	15.0	73	35	3.0	230	180	10.2	2	2	0.0	7.0
7	15.5	15.0	69	39	4.2	270	140	8.5	2	8	5.4	6.8
8	15.8	12.0	74	32	2.9	90	90	9.8	2	6	0.0	5.8
9	16.5	12.8	70	35	4.2	90	140	6.3	2	2	4.6	3.6
10	15.5	12.0	69	32	4.0	90	140	10.0	4	2	14.0	4.2
11	15.8	13.8	74	34	4.2	90	140	6.2	4	2	33.0	3.0
12	16.7	13.2	74	33	4.4	90	140	8.0	4	2	0.0	4.2
13	15.7	11.3	70	39	4.0	90	45	8.2	4	2	4.8	3.0
14	14.9	12.3	71	39	3.0	90	45	2.5	2	2	4.0	3.2
15	15.3	14.2	68	41	3.7	45	45	7.0	2	2	0.0	3.8
16	16.5	13.1	73	42	6.3	45	45	5.8	2	2	0.0	4.4
17	16.5	12.4	73	41	4.0	45	45	3.0	2	2	0.0	4.0
18	17.4	11.3	82	39	4.4	180	180	1.8	2	4	0.0	3.6
19	17.3	13.1	80	42	3.8	180	180	4.9	8	4	76.4	3.0
20	17.4	13.0	82	45	3.2	180	45	1.5	6	4	36.0	3.6
21	16.4	16.3	83	52	2.0	45	90	0.5	4	2	5.8	2.4
22	17.9	15.4	85	48	2.2	45	45	5.2	4	4	1.0	3.0
23	16.9	17.8	80	55	7.0	45	90	7.2	4	4	0.0	4.2
24	18.2	17.2	87	54	5.4	270	270	10.2	4	2	0.0	5.6
25	17.8	17.8	83	55	5.1	270	45	2.2	4	2	11.0	2.6
26	17.4	16.5	82	52	5.0	270	270	3.2	2	4	0.0	4.2
27	17.9	15.3	85	47	8.4	270	270	4.9	2	2	0.0	4.8
28	17.1	17.2	80	54	9.2	270	270	6.2	2	2	0.0	4.2
29	18.6	17.4	85	52	10.4	270	230	6.6	4	4	0.0	4.6
30	17.3	18.4	80	54	5.8	270	45	6.8	4	4	0.0	5.0
31	17.7	17.4	82	46	6.8	270	320	10.0	4	2	0.0	6.2
Mean	16.7	14.6	76	42	4.7	..	..	6.5	3	3	198.8	4.9
Weekly mean												
Std.Week No:19 (May 7- May 13) No. of Days: 7												
Mean	16.0	12.9	69	35	3.9	..	..	8.9	2	3	1.2	7.7
Std.Week No:20 (May 14 - May 20) No. of Days: 7												
Mean	15.8	12.8	72	35	3.8	..	..	7.3	3	3	8.6	3.9
Std.Week No: 21 (May21 - May 27) No. of Days: 7												
Mean	16.7	16.6	77	43	3.9	..	..	3.5	4	3	14.9	3.5
Std.Week No:22 (May 28 - June 3) No. of Days: 7												
Mean	17.6	16.8	83	52	6.0	..	..	5.6	3	3	1.4	4.1