

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: April
 Year : 2024

Date	Air Temperature °C						PET(mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5cm	10cm	10cm	20cm	20cm
	0700	1400	0700	1400	0700	1400	0700	0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	35.8	20.4	23.8	32.8	21.0	21.0	5.0	23.2	36.2	24.2	35.0	24.8	35.0
2	36.0	21.2	23.2	34.8	20.8	22.8	5.4	23.0	38.0	24.2	37.4	24.6	37.0
3	36.2	21.0	24.0	34.6	21.0	22.8	6.0	24.0	38.0	24.2	37.4	25.0	37.0
4	36.4	21.6	24.2	35.2	21.6	22.8	6.4	23.2	38.0	24.0	37.8	24.6	37.0
5	36.6	20.8	24.2	35.0	21.0	21.2	6.6	24.0	37.4	24.6	36.8	25.0	36.0
6	36.8	20.0	24.0	34.6	21.0	21.8	6.8	23.2	37.0	24.0	36.2	24.8	35.0
7	37.0	21.8	24.8	34.8	21.8	22.8	6.5	24.2	38.0	24.6	37.2	25.0	37.0
8	36.8	21.0	24.2	34.8	21.0	23.4	6.6	25.0	38.2	25.2	38.0	26.0	36.2
9	36.6	21.0	25.4	34.2	20.8	21.6	6.5	26.8	38.2	27.0	37.0	27.8	36.6
10	36.0	20.4	24.8	34.6	20.4	21.8	6.0	26.0	38.0	27.2	37.2	28.0	36.8
11	36.4	20.2	24.2	32.0	20.6	20.6	5.6	25.2	37.2	26.0	37.0	27.0	36.8
12	35.2	20.0	24.0	32.0	21.0	21.0	4.9	26.0	36.2	26.2	35.0	27.0	34.8
13	35.8	20.6	24.2	32.0	20.5	21.8	6.4	25.2	35.2	26.0	34.8	26.2	34.0
14	34.8	20.2	24.0	32.0	21.0	21.2	6.2	24.2	36.0	25.0	35.2	26.2	35.0
15	35.0	20.4	24.8	32.8	21.0	21.2	6.2	25.2	36.4	26.0	35.8	26.2	35.2
16	35.4	21.0	24.2	34.8	20.0	22.2	6.3	25.0	39.0	25.6	38.2	26.0	38.0
17	36.0	21.2	24.0	34.0	21.0	22.2	6.4	25.0	38.0	25.4	37.2	25.8	37.0
18	35.8	21.0	24.0	35.0	20.8	23.0	6.4	25.0	38.2	25.8	37.4	26.2	36.8
19	35.4	20.2	24.0	34.0	21.0	22.8	6.4	25.2	38.0	25.6	37.8	26.0	37.0
20	35.2	20.2	24.0	32.0	21.2	21.0	6.3	24.0	38.0	25.2	37.2	25.8	37.0
21	35.0	20.4	24.0	33.0	20.0	21.0	6.2	23.4	37.0	24.0	36.8	25.0	36.0
22	35.6	20.6	24.2	34.8	20.8	23.4	6.4	24.2	38.2	25.0	38.0	25.2	37.0
23	36.0	21.2	24.0	34.2	20.8	22.2	6.4	24.0	38.0	24.8	37.8	25.0	37.0
24	36.2	21.4	24.2	34.6	21.2	22.0	6.4	25.2	38.2	25.6	38.0	26.0	37.6
25	36.4	21.0	24.0	34.2	20.6	22.2	6.6	25.0	37.2	25.2	37.0	26.0	36.0
26	36.0	21.0	24.0	34.2	20.0	22.2	6.4	24.2	38.0	25.0	37.2	25.2	37.0
27	35.8	21.2	24.2	34.0	20.8	21.8	6.4	24.0	38.2	24.8	37.0	25.0	36.8
28	36	20.4	24.4	34.8	21.8	23.4	6.5	25.2	38.0	25.4	37.2	26.0	37.0
29	37	21.4	25.2	35.2	22	23.2	6.7	24.2	39.2	24.8	38.4	25.0	37.4
30	37.4	21	25.8	35.4	23.2	23.4	6.8	25.2	38.8	25.6	38.0	26.0	37.4
Mean	36.0	20.8	24.3	34.0	21.0	22.1	6.3	24.6	37.7	25.2	37.0	25.7	36.5
Weekly mean													
Std. Week No:14 (April 2 - April 8) No. of Days: 7													
Mean	36.5	21.1	24.1	34.8	21.2	22.5	6.3	23.8	37.8	24.4	37.3	25.0	36.5
Std. Week No:15 (April 9 - April 15) No. of Days: 7													
Mean	35.7	20.4	24.5	32.8	20.8	21.3	6.0	25.5	36.7	26.2	36.0	26.9	35.6
Std. Week No:16 (April 16 - April 22) No. of Days: 7													
Mean	35.5	20.7	24.1	33.9	20.7	22.2	6.3	24.5	38.1	25.2	37.5	25.7	37.0
Std. Week No:17 (April 23 - April 29) No. of Days: 7													
Mean	36.2	21.1	24.3	34.5	21.0	22.4	6.5	24.5	38.1	25.1	37.5	25.5	37.0
Std. Week No:18 (April 30 - May 6) No. of Days: 7													
Mean	32.7	20.9	22.5	31.0	20.6	20.9	6.4	21.7	38.6	22.5	37.2	23.3	35.7

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month: April

Year : 2024

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. Pr. (mm) Hg.		Rel. Hum. %		Speed (Km/hr)	Direction			0700	1400			0830	0830
	0700	1400	0700	1400	0700	0700	1400	0700	1400	0830	0830	
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST
1	17.1	12.1	77	32	5.0	140.0	45.0	9.4	0	0	0	7.0
2	17.1	14.1	80	34	3.6	230.0	140.0	8.6	0	0	0	6.4
3	17.0	14.3	76	35	6.0	230.0	90.0	9.0	0	0	0	6.8
4	17.9	13.9	79	33	4.8	140.0	140.0	9.2	0	0	0	7.2
5	16.9	11.2	75	27	5.0	140.0	45.0	9.7	0	0	0	7.6
6	17.0	12.5	76	30	4.7	140.0	45.0	9.8	0	0	0	8.0
7	17.9	14.1	76	34	6.4	140.0	45.0	8.8	0	0	0	7.2
8	16.9	15.2	75	37	5.6	140.0	140.0	9.2	0	0	0	7.4
9	15.9	12.4	65	31	7.8	140.0	90.0	9.6	0	0	0	8.0
10	15.5	12.5	66	30	7.6	90.0	45.0	9.8	0	0	0	8.6
11	16.2	11.9	72	33	6.0	90.0	45.0	9.2	0	0	0	8.0
12	17.0	12.6	76	35	6.2	90.0	140.0	9.6	0	0	0	7.8
13	16.0	13.9	71	39	8.0	140.0	140.0	7.6	0	0	0	7.6
14	17.0	12.9	76	36	5.1	140.0	140.0	10.0	0	0	0	7.8
15	16.5	12.5	70	33	9.2	90.0	140.0	10.9	0	0	0	7.2
16	15.2	13.1	67	31	9.0	90.0	140.0	10.8	0	0	0	8.0
17	17.0	13.5	76	34	9.4	230.0	140.0	11.0	0	0	0	8.2
18	16.7	14.4	74	34	9.2	230.0	90.0	10.8	0	0	0	7.8
19	17.0	14.6	76	37	9.4	230.0	140.0	8.9	0	0	0	7.0
20	17.3	12.6	77	35	10.2	230.0	140.0	8.4	0	0	0	7.8
21	15.3	12.0	68	32	10.0	230.0	230.0	10.2	0	0	0	7.6
22	16.5	15.2	73	37	9.8	90.0	140.0	2.5	4	2	0	7.4
23	16.7	13.4	74	33	4.0	230.0	230.0	10.0	0	0	0	8.2
24	17.2	12.8	76	31	5.2	230.0	90.0	10.9	0	0	0	7.8
25	16.3	13.4	73	33	5.0	90.0	230.0	10.4	0	0	0	7.4
26	15.3	13.4	68	33	5.2	90.0	90.0	9.3	0	0	0	8.0
27	16.5	12.8	73	32	5.0	90.0	90.0	10.1	0	0	0	7.8
28	18.1	15.2	79	37	4.2	230.0	140.0	8.8	0	0	0	8.2
29	18.1	14.7	75	34	4.0	230.0	140.0	11.2	0	0	0	7.8
30	19.9	14.9	80	35	4.4	230.0	140.0	10.8	0	0	0	8.2
Mean	16.8	13.4	74	34	6.5	..	..	9.5	0	0	0.0	7.7
Weekly mean												
Std. Week No:14 (April 2 - April 8) No. of Days: 7												
Mean	17.2	13.6	77	33	5.2	..	..	9.2	0.0	0.0	0.0	7.4
Std. Week No:15 (April 9 - April 15) No. of Days: 7												
Mean	16.3	12.7	71	34	7.1	..	..	9.5	0	0	0.0	8.0
Std. Week No:16 (April 16 - April 22) No. of Days: 7												
Mean	16.4	13.6	73	34	9.6	..	..	8.9	1	0	0.0	7.7
Std. Week No:17 (April 23 - April 29) No. of Days: 7												
Mean	16.9	13.7	74	33	4.7	..	..	10.1	0	0	0.0	7.9
Std. Week No:18 (April 30 - May 6) No. of Days: 7												
Mean	16.5	13.2	82	31	5.0	..	..	8.2	0	0	0.0	4.4

Note: Rainfall is in total