

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 : 2022

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	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT		IST	LMT	LMT	LMT	LMT	LMT
1	34.0	21.4	24.2	32.0	22.0	22.0	5.7	24.0	37.4	24.8	36.4	25.4	34.8
2	33.4	19.6	24.0	31.8	21.8	21.6	5.8	23.8	37.4	24.4	36.0	25.0	35.0
3	32.6	19.4	23.0	32.2	20.8	21.8	5.6	23.8	37.0	24.6	35.8	25.2	34.6
4	34.0	19.8	23.0	32.4	21.4	22.8	6.0	23.6	37.6	24.4	36.0	25.0	35.2
5	34.6	20.2	23.8	31.8	21.2	21.8	6.1	23.8	37.4	24.6	36.4	25.6	35.0
6	34.2	18.8	23.6	32.8	21.8	22.2	6.2	23.6	37.8	23.8	36.8	25.0	36.6
7	34.4	20.0	24.0	33.0	22.0	22.6	6.1	23.8	38.4	24.6	36.8	25.2	36.8
8	34.6	20.2	24.0	33.0	22.2	22.6	6.1	24.0	38.4	24.6	36.2	24.8	36.0
9	34.2	20.2	24.2	32.2	22.4	21.0	6.0	24.2	38.2	25.4	36.2	25.8	36.0
10	34.0	20.0	24.0	32.4	22.4	21.2	6.0	23.2	38.0	24.0	36.2	24.8	35.2
11	33.8	20.2	24.8	33.0	21.2	22.0	5.9	23.0	38.2	24.2	36.0	24.4	35.6
12	34.0	20.6	24.2	32.4	21.6	21.6	5.9	24.2	38.0	24.6	36.6	25.5	35.2
13	34.0	21.0	24.2	30.8	22.0	21.6	5.8	24.0	36.8	24.8	34.8	25.2	34.0
14	32.4	20.0	23.6	30.6	21.0	21.4	5.5	23.0	38.0	23.8	36.4	24.4	35.0
15	31.4	17.4	21.2	31.6	19.4	21.8	5.6	22.4	35.4	23.8	34.8	24.6	34.0
16	32.6	18.8	23.2	30.8	21.4	21.6	5.8	23.0	35.8	23.6	34.6	24.4	31.0
17	32.2	18.4	21.8	29.8	20.2	21.6	5.7	22.0	35.8	23.6	33.0	24.0	31.6
18	32.6	19.2	22.2	30.0	21.0	21.4	5.7	22.4	35.0	23.0	33.0	24.2	31.8
19	31.8	18.0	23.0	29.6	21.0	21.6	5.7	23.0	35.4	23.4	33.2	23.8	32.0
20	31.6	19.0	22.4	31.6	20.8	22.0	5.5	23.2	36.4	24.4	34.8	26.0	33.4
21	33.6	20.8	23.8	31.8	21.8	22.2	5.8	23.4	36.6	24.6	35.0	25.2	33.8
22	33.4	21.2	23.8	31.4	21.8	21.8	5.7	23.8	37.6	24.8	36.0	25.4	34.8
23	32.8	20.6	24.0	30.8	21.2	21.8	5.6	23.4	37.8	24.6	36.0	25.4	33.8
24	31.0	20.4	23.4	31.8	21.0	21.8	5.1	23.8	37.4	24.4	35.8	25.6	33.8
25	33.6	20.8	24.2	33.6	21.4	22.0	5.8	23.8	38.0	24.8	36.0	25.6	35.4
26	34.2	20.8	24.2	33.6	21.6	22.0	6.0	23.8	37.6	25.0	36.0	25.8	33.0
27	34.0	21.0	24.4	33.8	21.8	22.2	5.9	23.8	37.8	24.6	36.4	25.0	33.8
28	35.2	21.4	25.0	34.2	22.0	22.2	6.2	26.6	38.2	27.4	36.4	28.8	32.8
29	35.0	21.2	24.2	34.0	22.2	21.8	6.1	26.8	38.0	28.0	36.2	30.0	32.0
30	35.6	21.6	24.0	34.2	21.4	21.4	6.3	26.8	37.8	28.8	36.0	30.0	32.4
Mean	33.5	20.1	23.6	32.1	21.5	21.8	5.8	23.8	37.3	24.7	35.7	25.5	34.1
Weekly mean													
Std. Week No:14 (April 2 - April 8) No. of Days: 7													
Mean	34.0	19.7	23.6	32.4	21.6	22.2	6.0	23.8	37.7	24.4	36.3	25.1	35.6
Std. Week No:15 (April 9 - April 15) No. of Days: 7													
Mean	33.4	19.9	23.7	31.9	21.4	21.5	5.8	23.4	37.5	24.4	35.9	25.0	35.0
Std. Week No:16 (April 16 - April 22) No. of Days: 7													
Mean	32.5	19.3	22.9	30.7	21.1	21.7	5.7	23.0	36.1	23.9	34.2	24.7	32.6
Std. Week No:17 (April 23 - April 29) No. of Days: 7													
Mean	33.7	20.9	24.2	33.1	21.6	22.0	5.8	24.6	37.8	25.5	36.1	26.6	33.5
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	5.8	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 : 2022

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)			
	Vap. Pr. (mm) Hg.		Rel. Hum. %		Speed (Km/day)	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	18.6	14.3	82	40	4.6	230	230	6.7	0	0	0.0	6.2			
2	18.4	13.7	82	39	4.2	230	230	5.2	0	0	0.0	6.6			
3	17.2	13.8	82	38	4.2	230	140	6.0	0	0	0.0	6.0			
4	18.2	15.5	87	42	8.4	140	230	7.5	0	0	0.0	6.0			
5	17.4	14.0	79	40	8.2	230	230	8.3	0	0	0.0	7.4			
6	18.6	14.2	85	38	5.6	230	230	8.7	0	0	0.0	7.2			
7	18.7	14.8	84	39	5.8	230	230	9.0	0	0	0.0	7.8			
8	19.1	14.8	85	39	5.3	230	230	9.5	0	0	0.0	7.6			
9	19.3	12.4	85	35	5.6	230	230	8.6	0	0	0.0	7.4			
10	19.4	12.7	87	35	5.4	230	230	7.2	0	0	0.0	7.4			
11	16.9	13.7	72	36	4.1	140	45	1.0	0	0	0.0	7.2			
12	17.9	13.4	79	37	4.6	45	45	8.6	0	0	0.0	7.8			
13	18.6	14.2	82	43	5.2	90	230	10.0	0	0	0.0	7.6			
14	17.2	14.0	79	43	7.0	230	230	6.0	0	2	0.0	6.2			
15	15.9	14.2	84	41	6.9	230	230	2.9	3	2	29.0	5.0			
16	18.1	14.2	85	43	6.2	230	230	10.1	0	0	6.8	7.2			
17	16.9	14.8	86	47	6.1	230	230	9.1	0	3	10.6	6.0			
18	18.0	14.3	90	45	4.7	230	230	7.3	3	3	0.0	7.0			
19	17.5	14.9	83	48	7.5	230	45	9.6	0	2	18.4	6.0			
20	17.5	14.5	86	42	4.6	90	90	6.8	0	0	0.0	5.8			
21	18.5	14.7	84	42	7.7	230	230	9.3	0	0	0.0	6.2			
22	18.5	14.3	84	41	4.1	230	230	10.0	0	0	0.0	7.4			
23	17.3	14.6	77	44	8.0	230	230	8.4	3	2	0.0	6.6			
24	17.3	14.0	80	40	5.1	230	230	3.9	0	0	0.0	7.8			
25	17.6	13.4	78	34	5.9	230	90	8.5	0	0	0.0	7.6			
26	17.9	13.4	79	34	5.4	315	90	10.1	0	0	0.0	9.4			
27	18.1	13.6	79	35	4.2	230	230	9.7	0	3	0.0	7.8			
28	18.2	13.4	76	33	5.4	230	45	9.6	3	0	0.0	8.4			
29	19.0	12.8	84	32	4.7	230	230	8.6	0	0	0.0	8.4			
30	17.7	12.0	79	30	5.5	270	270	8.6	0	0	0.0	8.4			
Mean	18.0	14.0	82	39	5.7	7.8	0	1	64.8	7.1			
Weekly mean															
Std. Week No:14 (April 2 - April 8) No. of Days: 7															
Mean	18.2	14.4	83	39	6.0	7.7	0.0	0.0	0.0	7.0			
Std. Week No:15 (April 9 - April 15) No. of Days: 7															
Mean	17.9	13.5	81	38	5.5	6.7	0	0	0.0	7.3			
Std. Week No:16 (April 16 - April 22) No. of Days: 7															
Mean	17.9	14.5	85	44	5.8	8.9	0	1	35.8	6.5			
Std. Week No:17 (April 23 - April 29) No. of Days: 7															
Mean	17.9	13.6	79	36	5.5	8.4	1	1	0.0	8.0			
Std. Week No:18 (April 30 - May 6) No. of Days: 7															
Mean	17.7	12.0	82	31	5.0	8.2	3	1	25.8	4.4			

Note: Rainfall is in total