

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: June
Year : 2024

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5cm	10cm	10cm	15cm	15cm
	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	33.0	21.8	24.0	30.2	22.0	21.2	5.4	22.0	36.2	23.2	35.2	24.6	35.0
2	32.2	20.2	24.0	30.0	21.2	22.2	5.4	20.2	33.2	21.2	32.0	21.6	30.0
3	31.0	19.4	23.4	27.8	21.2	21.2	5.2	20.0	32.0	20.2	29.8	21.2	28.0
4	30.2	19.0	23.0	29.8	21.4	21.2	5.1	20.2	31.4	21.2	30.2	21.6	30.0
5	31.2	20.0	24.2	29.6	22.2	22.0	5.2	20.0	31.0	21.0	30.4	21.8	29.2
6	30.0	19.2	24.2	29.0	22.0	22.4	5.0	20.2	30.0	20.8	29.2	21.0	29.0
7	29.2	19.0	24.0	29.0	22.6	22.0	4.8	20.0	29.2	20.6	28.8	21.0	28.0
8	29.8	21.2	22.6	29.0	20.0	21.8	4.5	21.0	30.0	22.4	29.2	23.0	29.0
9	29.2	20.2	24.4	29.0	21.8	22.0	4.5	20.0	31.0	21.6	30.2	22.6	29.2
10	29.4	20.2	24.2	28.2	21.8	21.0	4.6	21.2	29.2	22.4	28.0	23.0	27.6
11	30.0	19.8	24.0	28.2	22.2	22.2	4.9	20.0	30.2	21.6	29.4	22.8	29.0
12	31.0	20.0	24.2	27.2	22.0	22.2	5.1	20.2	29.0	21.2	28.4	22.6	28.0
13	29.2	19.2	24.0	28.0	22.4	22.2	4.7	20.0	29.0	21.2	28.4	22.4	28.0
14	29.0	19.0	24.0	28.4	22.0	21.0	4.7	20.0	30.2	21.0	29.2	22.0	29.0
15	29.6	19.0	24.2	29.0	22.8	22.0	4.9	21.0	31.0	21.8	30.2	23.0	30.0
16	30.2	19.2	24.0	29.0	22.2	21.8	5.0	22.0	30.0	23.2	29.2	24.0	28.0
17	30.4	20.0	24.2	29.6	22.2	21.2	4.9	21.0	31.2	22.0	30.0	23.4	29.8
18	30.2	19.8	24.0	29.0	22.6	23.0	4.9	20.2	31.2	21.4	30.4	23.0	30.0
19	29.6	19.0	24.2	28.8	22.4	23.2	4.9	20.2	31.8	21.6	31.0	22.8	30.0
20	30.0	20.2	24.8	29.6	22.8	23.0	4.8	21.0	32.0	21.6	31.4	23.4	31.0
21	30.4	19.8	24.8	28.6	23.2	22.0	5.0	20.0	31.0	21.2	30.4	22.2	30.0
22	29.8	19.0	24.0	28.2	22.0	23.2	4.9	20.2	29.2	21.2	28.4	22.0	28.0
23	28.4	20.2	22.4	28.4	20.0	21.0	4.3	23.2	31.0	24.0	30.0	25.0	29.2
24	29.4	20.0	22.6	27.2	20.0	22.2	4.6	23.4	28.4	24.8	27.8	25.6	27.0
25	29.2	19.0	22.0	28.8	21.0	23.2	4.8	22.0	30.2	23.2	29.0	23.6	28.0
26	30.0	19.8	22.2	27.4	21.0	21.0	4.8	21.0	29.2	22.4	27.0	23.0	26.0
27	28.2	19.2	22.0	26.6	20.8	20.8	4.4	20.2	29.0	21.2	27.2	22.4	27.0
28	27.0	18.4	22.0	27.8	20.0	21.6	4.2	20.2	29.0	20.6	28.4	21.0	28.0
29	29.8	19.0	22.0	28.4	20.6	21.0	4.9	20.0	30.2	21.2	29.2	21.8	29.0
30	30.0	19.0	22.4	26.0	20.2	19.0	5.0	21.2	29.0	23.0	28.2	23.2	28.0
Mean	29.9	19.6	23.5	28.5	21.6	21.8	4.8	20.7	30.5	21.8	29.5	22.7	28.9
Weekly mean													
Std. Week No:23 (June 4 - June 10) No. of Days: 7													
Mean	29.9	19.8	23.8	29.1	21.7	21.8	4.8	20.4	30.3	21.4	29.4	22.0	28.9
Std. Week No:24 (June 11 - June 17) No. of Days: 7													
Mean	29.9	19.5	24.1	28.5	22.3	21.8	4.9	20.6	30.1	21.7	29.3	22.9	28.8
Std. Week No: 25 (June 18 - June 24) No. of Days: 7													
Mean	29.7	19.7	23.8	28.5	21.9	22.5	4.8	21.2	30.7	22.3	29.9	23.4	29.3
Std. Week No:26 (June 25 - July 01) No. of Days: 7													
Mean	29.0	19.1	22.1	27.5	20.6	21.1	4.7	20.8	29.4	21.9	28.2	22.5	27.7

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month: June

Year : 2024

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	18.7	13.9	84	43	5.1	270	315	9.8	2	4	0.0	7.4
2	17.3	15.7	77	49	4.6	270	315	6.8	2	4	58.2	4.4
3	17.7	15.2	82	54	5.0	270	45	9.8	4	4	44.2	4.0
4	18.2	14.1	87	45	2.6	180	270	4.8	4	2	0.0	4.8
5	19.0	15.6	84	50	2.9	270	315	5.5	4	4	4.2	3.8
6	18.6	16.7	82	55	2.7	180	230	5.4	4	4	17.8	4.0
7	19.8	15.9	88	53	2.9	180	230	3.5	4	2	11.2	3.6
8	16.1	15.6	78	52	6.8	180	230	3.2	4	2	1.2	3.0
9	18.1	15.9	79	53	9.4	180	180	10.3	4	2	0.0	3.2
10	18.3	14.7	81	51	9.4	180	315	8.0	4	4	0.8	3.8
11	19.1	16.7	85	58	8.4	180	315	5.6	4	4	1.8	3.2
12	18.6	17.3	82	64	7.6	180	315	3.8	4	4	2.2	3.4
13	19.4	16.9	87	59	7.2	180	315	1.8	4	4	0.0	3.8
14	18.7	14.6	84	50	5.9	180	315	4.2	4	2	2.0	3.4
15	20.0	15.9	88	53	4.9	180	315	2.8	4	2	0.0	3.2
16	19.1	15.6	85	52	5.0	180	315	4.6	4	4	0.0	4.0
17	19.0	14.2	84	46	5.2	180	230	10.4	4	2	0.0	4.2
18	19.8	17.7	88	59	6.8	270	315	10.2	4	2	1.2	3.0
19	19.3	18.2	85	61	6.4	270	315	5.4	4	6	1.0	2.8
20	19.7	17.4	84	56	5.8	270	230	4.9	4	4	2.0	4.2
21	20.4	16.2	87	55	7.1	270	230	6.8	4	2	2.2	3.8
22	18.7	18.5	84	65	6.1	230	230	4.5	4	2	18.2	3.6
23	16.2	14.6	80	50	6.6	315	230	2.5	4	2	0.0	4.2
24	16.1	17.3	78	64	7.8	315	315	8.8	4	2	2.2	3.0
25	18.1	18.2	91	61	8.1	270	315	6.1	4	4	0.0	3.2
26	18.0	15.1	90	55	9.2	270	315	6.4	4	2	0.0	2.8
27	17.8	15.2	90	58	9.9	270	315	0.6	4	4	0.0	3.6
28	16.4	15.9	83	57	9.0	180	315	0.0	4	2	0.0	2.6
29	17.4	14.6	88	50	6.9	180	315	5.1	4	4	0.0	2.8
30	16.5	12.6	81	50	6.2	270	270	3.5	2	2	0.0	4.4
Mean	18.3	15.9	84	54	6.4	5.5	3.8	3.1	170.4	3.6
Weekly mean												
Std. Week No:23 (June 4 - June 10) No. of Days: 7												
Mean	18.3	15.5	83	51	5.2	5.8	4	3	35.2	3.7
Std. Week No:24 (June 11 - June 17) No. of Days: 7												
Mean	19.1	15.9	85	55	6.3	4.7	4	3	6.0	3.6
Std. Week No: 25 (June 18 - June 24) No. of Days: 7												
Mean	18.6	17.1	84	59	6.7	6.2	4	3	26.8	3.5
Std. Week No:26 (June 25 - July 01) No. of Days: 7												
Mean	17.4	14.9	87	55	8.2	3.6	4	3	0.0	3.2

Note: Rainfall is in total