

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 : 2022

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
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	30.2	20.0	23.8	29.2	21.6	21.6	4.9	24.0	34.8	25.2	32.0	25.8	30.0
2	30.8	20.0	23.0	29.6	21.4	22.0	5.1	25.0	36.6	26.2	34.6	27.0	32.6
3	30.4	19.8	23.2	30.4	21.8	21.6	5.0	25.4	36.8	26.6	36.0	27.6	34.0
4	32.0	18.6	22.0	30.2	20.8	21.8	5.7	25.2	36.8	26.0	33.2	26.8	33.8
5	31.8	19.4	22.4	30.0	20.4	21.4	5.5	25.0	37.0	26.2	36.4	27.0	35.0
6	31.0	17.8	22.0	29.0	20.8	21.6	5.5	23.6	31.6	24.8	29.8	26.0	28.6
7	29.2	19.8	22.6	28.2	21.2	22.0	4.6	24.0	37.4	24.8	36.0	25.8	33.8
8	29.0	20.0	23.2	29.0	21.8	21.8	4.5	24.2	37.8	24.8	36.6	25.8	34.2
9	29.6	19.4	23.0	28.8	21.6	21.8	4.8	24.6	37.4	25.0	36.0	25.2	35.0
10	29.6	19.4	22.8	28.0	21.6	21.8	4.8	24.6	36.0	25.0	33.8	25.8	31.8
11	29.0	18.2	22.6	28.6	21.4	21.8	4.9	24.4	36.0	25.0	33.6	25.6	32.0
12	29.2	19.6	23.0	28.8	20.8	21.6	4.7	24.0	37.0	25.4	35.6	26.2	33.8
13	29.2	19.2	23.2	26.6	21.2	21.4	4.8	24.6	35.4	25.4	34.0	26.0	33.0
14	27.0	18.8	22.4	28.8	21.0	21.6	4.2	24.4	35.4	25.6	34.0	26.0	33.0
15	30.6	18.8	22.6	27.0	21.0	21.8	5.2	24.4	34.8	25.6	33.0	26.0	31.8
16	27.6	19.6	23.0	26.6	21.6	21.4	4.2	23.8	35.4	24.6	34.0	25.0	33.0
17	30.0	17.8	22.4	27.0	21.4	21.6	5.2	24.4	27.0	25.6	26.0	26.0	26.0
18	28.0	19.0	22.0	27.0	20.6	21.4	4.4	22.8	26.8	23.4	26.6	23.6	25.4
19	27.6	19.4	22.4	28.0	20.8	21.6	4.2	23.0	27.0	23.8	26.4	24.4	26.0
20	29.4	19.0	22.2	27.8	21.4	21.6	4.8	23.2	28.8	23.8	27.0	24.0	26.8
21	28.6	19.2	22.4	26.8	21.2	21.4	4.6	23.6	27.4	24.0	26.6	24.4	26.0
22	27.2	19.2	22.0	26.0	21.0	21.2	4.1	23.4	25.8	24.4	24.6	24.8	24.4
23	26.0	18.8	21.6	25.6	21.0	21.6	3.9	23.8	27.6	24.4	26.0	24.6	26.0
24	26.2	19.0	22.8	27.8	21.4	21.6	3.9	24.0	33.6	25.0	31.8	25.8	30.0
25	28.6	18.4	22.4	26.2	21.0	21.4	4.7	25.4	32.8	25.8	32.0	26.6	30.4
26	26.6	18.8	21.6	27.0	21.0	21.6	4.0	23.6	32.4	24.8	31.0	25.6	30.0
27	28.2	18.6	22.8	26.4	21.2	21.4	4.6	23.8	31.4	24.6	29.8	25.4	29.0
28	27.0	18.4	22.0	26.8	20.8	21.6	4.2	23.8	30.8	24.6	27.0	25.2	28.6
29	27.4	19.0	22.8	28.8	21.2	21.8	4.2	23.6	31.0	24.8	30.0	25.4	28.8
30	29.2	18.4	22.8	27.0	21.4	21.6	4.9	23.8	30.8	24.4	30.0	25.6	26.8
Mean	28.9	19.0	22.6	27.9	21.2	21.6	4.7	24.1	33.0	25.0	31.4	25.6	30.3
Weekly mean													
Std. Week No:23 (June 4 - June 10) No. of Days: 7													
Mean	30.3	19.2	22.6	29.0	21.2	21.7	5.1	24.5	36.3	25.2	34.5	26.1	33.2
Std. Week No:24 (June 11 - June 17) No. of Days: 7													
Mean	28.9	18.9	22.7	27.6	21.2	21.6	4.7	24.3	34.4	25.3	32.9	25.8	31.8
Std. Week No: 25 (June 18 - June 24) No. of Days: 7													
Mean	27.6	19.1	22.2	27.0	21.1	21.5	4.3	23.4	28.1	24.1	27.0	24.5	26.4
Std. Week No:26 (June 25 - July 01) No. of Days: 7													
Mean	27.8	18.6	22.4	27.0	21.1	21.6	4.4	24.0	31.5	24.8	30.0	25.6	28.9

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month: June

Year : 2022

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	18.1	15.1	82	50	4.9	230	230	6.0	6	3	4.4	4.8			
2	18.2	15.6	87	50	5.6	230	230	8.8	3	2	0.8	5.0			
3	18.8	14.5	88	44	5.3	230	230	9.4	0	3	0.0	6.2			
4	17.8	14.9	90	46	5.4	230	230	9.4	0	3	4.8	5.2			
5	16.9	14.3	83	45	5.2	230	230	8.8	0	3	0.6	4.8			
6	17.8	15.2	90	51	6.7	230	230	9.4	2	3	35.8	4.0			
7	18.1	16.4	88	57	3.8	230	230	6.5	3	3	0.0	5.8			
8	18.8	15.6	88	52	6.2	270	270	8.4	2	3	0.0	5.2			
9	18.6	15.7	88	53	7.0	270	270	9.0	3	3	0.0	5.6			
10	18.7	16.1	90	57	5.9	230	230	8.8	2	2	0.0	6.0			
11	18.4	15.8	90	54	7.2	230	230	10.0	2	2	0.0	5.8			
12	17.2	15.4	82	52	6.7	230	230	10.0	2	3	0.0	6.0			
13	17.8	16.2	83	62	7.0	230	230	10.2	3	2	0.0	6.4			
14	17.9	15.4	88	52	5.3	270	230	6.5	2	2	0.0	6.0			
15	17.8	16.7	86	62	4.2	230	230	7.9	6	3	13.6	5.4			
16	18.6	16.2	88	62	4.0	230	230	3.1	3	3	0.0	4.2			
17	18.6	16.4	91	61	3.7	270	230	3.5	2	4	43.4	5.8			
18	17.4	16.0	88	60	2.2	230	230	6.4	4	3	104.8	2.2			
19	17.5	15.8	86	56	2.4	230	230	4.0	8	3	2.8	4.8			
20	18.7	15.9	93	57	4.7	230	230	7.0	4	3	1.6	5.0			
21	18.2	16.1	90	61	5.3	230	230	5.8	6	3	3.2	4.4			
22	18.1	16.2	91	64	6.8	270	270	5.4	6	4	0.0	4.6			
23	18.3	17.1	95	70	6.4	230	230	1.4	8	3	0.0	2.6			
24	18.3	15.9	88	57	6.5	270	230	2.8	4	3	0.0	4.0			
25	17.9	16.5	88	65	8.3	230	230	9.4	6	4	0.0	4.6			
26	18.3	16.4	95	61	8.6	230	230	4.7	4	4	0.0	5.2			
27	18.0	16.3	86	63	8.5	230	230	7.5	6	3	0.0	5.6			
28	17.8	16.5	90	62	6.6	230	230	2.1	3	3	0.0	4.8			
29	18.0	15.7	86	53	6.4	230	230	2.5	3	3	0.0	4.2			
30	18.3	16.4	88	61	5.2	230	230	6.2	3	3	1.0	4.0			
Mean	18.1	15.9	88	57	5.7	6.7	3.5	3.0	216.8	4.9			
Weekly mean															
Std. Week No:23 (June 4 - June 10) No. of Days: 7															
Mean	18.1	15.5	88	52	5.7	8.6	2	3	41.2	5.2			
Std. Week No:24 (June 11 - June 17) No. of Days: 7															
Mean	18.0	16.0	87	58	5.4	7.3	3	3	57.0	5.7			
Std. Week No: 25 (June 18 - June 24) No. of Days: 7															
Mean	18.1	16.2	90	61	4.9	4.7	6	3	112.4	3.9			
Std. Week No:26 (June 25 - July 01) No. of Days: 7															
Mean	18.0	16.2	89	61	7.3	5.4	4	3	1.0	4.7			

Note: Rainfall is in total