

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 : 2021

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	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT		IST	LMT	LMT	LMT	LMT	LMT	LMT
1	31.8	20.6	22.8	31.8	21.0	21.4	5.3	23.0	37.4	24.8	36.0	26.4	35.8
2	32.4	20.8	23.2	30.0	21.0	21.6	5.4	22.0	36.6	23.2	34.6	23.8	33.8
3	31.6	20.0	23.0	29.8	21.2	21.4	5.3	22.4	36.4	23.8	34.8	25.6	34.0
4	31.8	20.2	22.8	29.2	20.8	21.0	5.3	21.8	33.6	22.0	31.8	23.4	29.6
5	31.0	19.0	22.0	29.6	20.8	21.2	5.3	21.6	33.0	22.4	31.0	23.8	28.8
6	30.6	18.8	21.6	29.0	20.8	21.6	5.2	22.0	34.6	23.0	31.8	23.8	29.4
7	30.6	19.4	22.8	29.6	21.0	21.8	5.1	22.8	35.2	24.0	33.8	24.6	31.0
8	30.2	20.4	23.0	30.0	21.2	21.2	4.8	23.8	36.8	24.2	33.6	24.8	32.4
9	31.4	19.6	22.6	28.8	20.4	21.0	5.3	22.8	36.6	23.8	33.8	24.6	31.8
10	29.6	18.8	22.4	28.0	20.6	20.8	4.9	21.6	34.0	22.8	31.8	23.2	29.0
11	28.6	19.4	22.0	27.0	20.2	21.0	4.5	22.0	33.8	23.2	31.8	23.8	30.0
12	27.2	19.4	22.8	26.8	20.6	20.8	4.1	22.0	35.0	23.2	33.0	24.0	29.6
13	27.0	19.4	22.4	28.0	20.4	20.8	4.0	22.0	31.6	23.4	31.8	24.0	28.8
14	29.0	18.8	21.8	26.0	20.2	20.6	4.7	21.8	34.8	22.4	31.8	23.4	30.0
15	26.2	18.6	21.4	26.6	20.2	21.0	3.9	21.4	34.0	22.0	32.0	23.0	28.8
16	27.2	19.6	22.4	27.0	20.8	21.2	4.0	21.6	34.8	22.0	33.4	23.2	29.4
17	27.6	19.4	21.8	26.0	20.4	21.4	4.2	21.4	34.6	22.0	33.0	23.4	29.6
18	26.2	19.6	22.2	27.0	21.0	21.2	3.7	21.6	35.8	22.6	33.4	23.8	29.8
19	27.2	19.4	22.8	26.6	20.8	21.0	4.1	21.8	34.6	22.4	31.8	23.8	29.4
20	28.0	20.0	21.8	27.8	20.0	21.4	4.2	23.0	36.0	23.8	33.8	24.8	33.0
21	29.0	20.0	23.2	28.8	21.0	21.6	4.5	22.0	35.6	23.0	34.0	24.4	33.0
22	30.0	19.8	22.8	27.4	21.2	21.6	4.8	22.4	35.8	24.6	33.0	25.0	31.8
23	28.0	19.8	23.0	29.0	21.2	21.4	4.2	22.8	36.0	23.8	34.2	24.8	33.0
24	30.8	19.6	22.8	28.4	21.0	21.6	5.1	22.4	36.8	23.8	35.4	24.8	33.2
25	29.6	18.8	22.8	28.8	20.8	21.8	4.9	22.4	35.5	23.6	33.8	24.6	31.8
26	30.0	18.8	22.4	27.4	21.0	20.8	5.0	22.6	33.2	23.8	33.2	24.2	31.4
27	27.6	18.6	21.6	27.0	21.0	21.2	4.4	22.0	35.0	23.0	33.0	23.8	31.8
28	27.4	19.0	21.8	26.8	20.6	21.4	4.2	21.6	29.6	22.6	28.0	22.8	27.2
29	28.0	18.4	22.0	28.6	21.2	21.8	4.5	21.6	33.0	22.4	31.8	23.6	30.0
30	30.8	20.6	23.0	30.0	21.2	21.8	4.9	22.4	35.6	23.0	33.0	24.2	31.2
Mean	29.2	19.5	22.4	28.2	20.8	21.3	4.7	22.2	34.8	23.2	32.9	24.1	30.9
Weekly mean													
Std. Week No:23 (June 4 - June 10) No. of Days: 7													
Mean	30.7	19.5	22.5	29.2	20.8	21.2	5.1	22.3	34.8	23.2	32.5	24.0	30.3
Std. Week No:24 (June 11 - June 17) No. of Days: 7													
Mean	27.5	19.2	22.1	26.8	20.4	21.0	4.2	21.7	34.1	22.6	32.4	23.5	29.5
Std. Week No: 25 (June 18 - June 24) No. of Days: 7													
Mean	28.5	19.7	22.7	27.9	20.9	21.4	4.4	22.3	35.8	23.4	33.7	24.5	31.9
Std. Week No:26 (June 25 - July 01) No. of Days: 7													
Mean	28.9	19.0	22.3	28.1	21.0	21.5	4.5	22.1	33.7	23.1	32.1	23.9	30.6

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month: June

Year : 2021

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)			
	Vap. (mm)	Pr. 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	17.7	13.3	85	38	8.0	230	270	10.6	5	3	0.0	7.0			
2	17.4	14.7	82	46	5.5	270	270	7.4	3	3	3.6	4.8			
3	17.9	14.5	85	46	3.9	270	230	5.0	6	3	1.4	4.4			
4	17.3	14.1	83	46	2.8	90	230	1.9	6	3	10.4	3.6			
5	17.8	14.2	90	46	1.7	230	230	3.3	6	2	39.6	3.2			
6	18.0	15.2	93	51	5.2	230	270	3.7	2	3	3.8	4.2			
7	17.7	15.3	85	49	5.3	315	230	6.4	2	2	0.0	4.8			
8	17.9	14.0	85	44	4.8	315	230	11.0	2	3	0.0	6.2			
9	16.8	14.3	81	48	7.3	230	230	10.0	3	2	0.0	4.8			
10	17.2	14.4	85	51	7.3	230	230	8.8	3	2	20.4	3.8			
11	16.8	15.3	85	57	8.8	230	230	6.3	2	2	0.0	4.8			
12	17.0	15.1	82	57	9.9	230	230	7.0	3	3	0.0	3.8			
13	16.9	14.4	83	51	7.4	230	230	6.8	6	6	0.0	4.2			
14	16.9	15.2	86	60	12.1	230	270	1.5	8	6	8.4	3.2			
15	17.1	15.5	89	60	11.4	230	230	0.4	8	6	0.0	3.0			
16	17.5	15.7	86	59	9.1	270	270	1.5	6	4	0.0	4.2			
17	17.2	16.6	88	66	8.8	230	230	4.0	6	6	6.6	3.6			
18	18.0	15.7	90	59	10.6	270	270	4.8	6	4	0.0	3.8			
19	17.3	15.5	83	60	5.4	270	270	2.4	3	5	0.0	3.6			
20	16.5	15.6	84	56	5.3	270	270	3.0	6	3	0.0	3.8			
21	17.4	15.4	82	52	4.3	270	230	1.7	3	3	0.0	4.0			
22	18.0	16.1	86	59	8.0	230	230	10.3	3	2	0.0	5.8			
23	17.9	14.9	85	50	5.4	230	270	4.0	2	3	0.0	4.8			
24	17.7	15.6	85	54	6.4	270	270	6.6	6	3	0.0	5.6			
25	17.3	15.7	83	53	7.8	270	270	3.6	2	2	0.0	6.2			
26	17.9	14.8	88	54	8.2	270	270	8.4	6	4	0.0	7.8			
27	18.3	15.7	95	59	7.3	270	270	0.0	8	4	2.8	4.0			
28	17.5	16.1	90	61	4.6	270	270	1.7	6	2	20.6	3.6			
29	18.4	15.8	93	54	2.1	315	270	3.5	2	3	0.0	4.6			
30	17.9	15.0	85	47	3.7	270	230	9.8	2	0	0.0	5.6			
Mean	17.5	15.1	86	53	6.6	..	..	5.2	4.4	3.2	117.6	4.5	
Weekly mean															
Std. Week No:23 (June 4 - June 10) No. of Days: 7															
Mean	17.5	14.5	86	48	4.9	..	..	6.4	3	2	74.2	4.4	
Std. Week No:24 (June 11 - June 17) No. of Days: 7															
Mean	17.0	15.4	86	59	9.6	..	..	3.9	6	5	15.0	3.8	
Std. Week No: 25 (June 18 - June 24) No. of Days: 7															
Mean	17.5	15.5	85	55	6.5	..	..	4.7	4	3	0.0	4.5	
Std. Week No:26 (June 25 - July 01) No. of Days: 7															
Mean	17.9	15.5	89	55	5.6	..	..	4.5	4	3	23.4	5.3	

Note: Rainfall is in total