

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 : July
Year : 2022

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5 cm	10cm	10cm	20cm	20cm
	0700	1400	0700	1400	0700	1400		0830	0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	27.6	18.2	22.8	27.8	21.4	21.2	4.4	23.4	31.0	24.4	29.6	25.4	28.0
2	28.8	19.0	22.0	27.8	20.8	21.6	4.6	23.0	30.0	23.8	28.8	24.8	27.4
3	28.2	19.6	22.8	28.0	21.2	21.4	4.3	23.0	29.6	23.6	27.6	24.0	27.0
4	29.2	19.2	22.8	25.0	21.0	20.8	4.7	22.8	28.4	23.4	27.6	24.0	26.0
5	25.2	18.4	21.8	26.0	20.6	20.8	3.7	21.6	27.8	22.0	26.6	22.8	26.2
6	26.6	18.8	21.4	25.0	20.8	20.6	4.0	21.4	27.6	22.0	26.8	23.0	26.6
7	25.8	19.0	21.8	23.4	20.6	20.4	3.7	21.4	25.6	22.0	24.6	22.4	24.0
8	23.8	18.4	21.8	25.0	20.0	20.4	3.2	20.8	23.0	21.0	23.0	21.4	22.8
9	25.4	18.0	22.0	26.0	20.2	20.8	3.8	20.0	23.2	21.0	23.0	21.4	22.2
10	27.8	17.8	20.8	25.0	20.2	21.0	4.6	20.4	25.0	22.0	23.8	22.0	24.0
11	25.4	19.0	21.6	25.4	20.8	21.0	3.6	20.2	25.2	20.8	24.0	21.4	23.0
12	26.0	18.4	21.6	25.8	20.8	21.0	3.9	21.6	24.8	22.4	24.4	22.6	23.0
13	26.4	17.4	21.4	25.0	20.6	20.8	4.2	21.4	24.4	22.0	24.0	22.6	24.0
14	25.2	18.0	21.2	24.8	20.4	20.6	3.8	21.2	24.6	22.0	24.2	22.4	24.0
15	25.8	18.0	21.6	25.0	20.8	20.8	3.9	21.4	25.0	21.8	24.0	22.4	23.0
16	25.4	18.2	21.4	25.0	20.6	20.8	3.8	21.6	24.8	22.0	23.8	23.0	23.6
17	25.4	18.0	21.4	25.2	20.4	21.2	3.8	21.0	24.0	21.6	23.8	22.0	23.4
18	26.0	17.8	21.8	26.0	21.0	21.0	4.0	21.4	24.4	22.0	24.0	22.4	23.6
19	27.0	18.2	22.0	28.0	20.8	21.6	4.3	21.0	27.8	22.0	26.0	22.4	25.4
20	29.0	19.6	22.6	27.8	21.4	21.6	4.6	23.0	28.4	23.4	27.0	23.8	26.0
21	29.0	20.0	21.6	27.8	20.8	21.0	4.5	21.6	28.0	22.0	27.0	22.8	26.0
22	28.6	18.8	21.6	26.0	20.4	21.6	4.6	21.4	26.8	22.0	26.4	23.0	25.8
23	26.2	19.8	21.6	26.0	20.4	21.2	3.7	21.4	27.8	22.0	26.0	22.8	25.0
24	26.6	18.0	21.0	28.2	20.2	21.6	4.2	21.2	28.6	22.0	27.0	22.6	26.0
25	29.0	18.2	22.0	27.8	20.8	21.8	4.8	21.6	29.6	22.4	27.8	23.4	27.0
26	29.8	19.6	22.8	27.0	21.6	21.8	4.8	22.0	29.6	23.4	28.6	24.0	27.2
27	27.0	19.0	21.8	27.8	21.0	21.6	4.1	21.6	29.4	22.0	28.8	23.0	27.4
28	28.0	19.0	23.0	29.0	21.6	21.8	4.4	21.2	30.6	21.8	29.0	22.4	27.8
29	30.4	20.6	23.6	28.8	21.8	21.6	4.8	21.8	32.0	22.6	30.4	23.6	29.8
30	30.2	18.6	21.8	29.4	20.6	21.4	5.1	21.6	30.8	22.4	30.0	23.8	28.8
31	30.4	18.6	22.4	30.6	21.0	21.0	5.2	21.0	25.6	22.0	24.0	22.6	24.0
Mean	27.3	18.7	21.9	26.6	20.8	21.2	4.2	21.5	27.2	22.3	26.2	22.9	25.4
Weekly mean													
Std. Week No:27 (July 2 - July 8) No. of Days: 7													
Mean	26.8	18.9	22.1	25.7	20.7	20.9	4.0	22.0	27.4	22.5	26.4	23.2	25.7
Std. Week No:28 (July 9 - July 15) No. of Days: 7													
Mean	26.0	18.1	21.5	25.3	20.5	20.9	4.0	20.9	24.6	21.7	23.9	22.1	23.3
Std. Week No:29 (July 16 - July 22) No. of Days: 7													
Mean	27.2	18.7	21.8	26.5	20.8	21.3	4.2	21.6	26.3	22.1	25.4	22.8	24.8
Std. Week No:30 (July 23 - July 29) No. of Days: 7													
Mean	28.1	19.2	22.3	27.8	21.1	21.6	4.4	21.5	29.7	22.3	28.2	23.1	27.2
Std. Week No:31 (July 30 - August 5) No. of Days: 7													
Mean	28.4	19.0	21.0	27.7	20.1	20.5	4.3	20.6	31.5	21.7	28.9	21.3	28.4

PART- II

Time of Observation :

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : July

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			0830	0830
	0700	1400	0700	1400	0700	0700	1400							
	LMT	LMT	LMT	LMT	LMT	LMT	LMT							
1	18.3	15.2	88	54	7.2	230	270	7.6	6	4	0.0	4.4		
2	17.8	15.9	90	57	5.7	230	230	5.8	8	4	1.6	3.8		
3	18.0	15.5	86	55	5.3	230	230	6.2	6	4	0.0	4.0		
4	17.7	16.1	85	68	8.1	230	270	1.1	8	6	0.0	3.8		
5	17.5	15.5	90	62	7.9	270	270	0.0	8	6	1.2	2.4		
6	18.1	15.8	95	66	8.8	270	230	2.4	8	6	0.0	3.0		
7	17.5	16.3	90	76	6.4	230	270	0.0	6	8	0.8	2.4		
8	16.5	15.4	84	65	7.1	270	270	0.0	8	6	15.2	2.2		
9	16.8	15.5	85	62	7.1	270	270	0.3	8	6	1.4	2.0		
10	17.4	16.4	95	69	6.8	270	270	0.6	8	4	7.8	2.8		
11	18.0	16.2	93	67	7.6	270	270	0.6	8	6	1.2	2.8		
12	18.0	16.0	93	64	7.8	270	270	0.7	8	8	2.2	2.4		
13	17.8	16.1	93	68	8.9	270	270	5.7	8	6	1.4	2.6		
14	17.5	15.9	93	68	9.3	270	270	1.7	8	6	0.0	2.8		
15	18.0	16.1	93	68	8.3	230	230	2.5	8	6	1.8	2.6		
16	17.8	16.1	93	68	7.4	230	230	2.5	8	6	0.0	2.6		
17	17.4	16.7	91	69	6.1	270	270	1.0	8	6	5.0	2.6		
18	18.2	15.9	93	63	6.1	270	270	2.4	8	6	12.2	3.0		
19	17.8	15.8	90	56	6.5	270	270	0.0	4	6	1.8	2.6		
20	18.4	15.9	90	57	3.1	270	270	8.3	2	4	0.0	4.2		
21	18.0	14.9	93	53	3.1	230	230	6.8	6	6	17.6	3.8		
22	17.3	16.9	89	67	3.7	230	230	5.1	8	6	0.0	3.0		
23	17.3	16.2	89	64	4.2	230	230	0.4	6	6	0.0	3.2		
24	17.3	15.7	93	55	4.7	230	230	1.3	6	4	3.0	2.8		
25	17.8	16.3	90	58	4.3	230	230	0.9	4	4	0.0	3.0		
26	18.7	16.7	90	62	5.4	230	230	7.6	6	6	0.0	3.8		
27	18.2	15.9	93	57	4.0	270	270	1.8	8	6	2.0	2.8		
28	18.6	15.6	88	52	4.2	45	90	8.0	2	4	11.2	3.2		
29	18.6	15.4	85	52	2.1	90	230	7.9	4	4	0.0	4.2		
30	17.5	14.7	90	48	4.6	270	230	7.7	6	4	0.0	4.0		
31	17.9	13.3	88	40	3.7	140	320	7.8	6	3	62.4	3.2		
Mean	17.8	15.8	90	61	6.0	....	....	3.4	7	5	149.8	3.1
Weekly mean														
Std. Week No:27 (July 2 - July 8) No. of Days: 7														
Mean	17.6	15.8	88	64	7.0	...	...	2.2	7	6	18.8	3.1
Std. Week No:28 (July 9 - July 15) No. of Days: 7														
Mean	17.6	16.0	92	66	8.0	...	...	1.7	8	6	15.8	2.6
Std. Week No:29 (July 16 - July 22) No. of Days: 7														
Mean	17.8	16.0	91	62	5.1	...	...	3.7	6	6	36.6	3.1
Std. Week No:30 (July 23 - July 29) No. of Days: 7														
Mean	18.1	16.0	90	57	4.1	...	...	4.0	5	5	16.2	3.3
Std. Week No:31 (July 30 - August 5) No. of Days: 7														
Mean	17.2	18.3	91	43	8.4	..	..	4.9	2	2	13.4	4.2

Note: Rainfall is in Total