

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

Month : August
Year : 2023

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5 cm	10 cm	10 cm	20 cm	20 cm
	0700	1400	0700	1400	0700	1400		0830	0700	1400	0700	1400	0700
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	29.0	20.8	23.2	28.0	20.0	22.6	4.4	23.2	30.0	24.0	28.6	24.4	26.2
2	29.2	20.2	23.0	28.8	20.0	22.2	4.5	23.0	30.2	24.0	29.0	24.8	28.4
3	29.8	20.0	23.0	28.0	21.0	22.0	4.8	22.2	31.0	23.0	30.0	23.8	29.8
4	29.6	19.6	23.2	28.6	21.0	22.6	4.8	23.0	30.0	24.2	29.6	25.0	28.4
5	30.0	19.8	23.0	26.4	21.0	22.0	4.9	22.0	29.0	23.0	27.0	24.2	26.8
6	30.2	20.0	22.8	28.2	20.4	22.6	4.9	21.0	30.2	22.0	29.8	23.0	28.0
7	29.0	19.8	21.4	27.4	19.2	22.0	4.6	23.0	29.0	23.6	28.4	24.0	28.0
8	29.8	19.6	22.8	28.0	19.6	22.8	4.8	21.0	30.1	22.4	29.2	23.0	28.6
9	28.8	20.0	22.0	28.4	19.2	23.0	4.5	22.0	31.2	23.2	30.0	23.8	29.0
10	30.2	20.2	23.2	29.0	20.8	24.0	4.8	22.0	33.0	23.4	32.0	24.0	31.4
11	31.0	20.8	23.0	28.6	21.8	23.2	5.0	23.0	31.0	23.8	30.0	24.2	29.8
12	32.0	21.2	24.0	29.0	23.4	24.2	5.2	24.0	34.0	25.2	33.0	26.0	32.2
13	31.2	19.8	22.0	28.0	20.2	22.2	5.2	23.4	30.2	24.0	29.8	24.2	28.0
14	30.0	19.4	23.0	29.0	21.8	23.6	4.9	22.0	33.0	23.4	32.8	24.0	31.0
15	30.6	20.0	22.0	28.8	20.2	22.8	5.0	23.0	34.0	24.2	33.2	25.0	31.4
16	31.0	20.2	22.4	28.0	20.0	21.0	5.1	22.0	35.0	23.4	34.2	24.0	33.0
17	31.4	20.4	23.4	28.0	22.0	22.0	5.2	23.4	34.0	24.0	33.2	25.0	33.0
18	30.2	19.6	23.0	27.8	22.0	22.0	4.9	24.0	33.8	25.2	32.0	25.4	31.0
19	31.8	20.0	22.4	26.0	20.8	22.2	5.3	23.0	30.0	24.2	28.4	25.0	27.0
20	29.4	19.0	20.6	28.0	19.2	22.4	4.8	22.2	33.4	23.0	32.2	24.8	31.0
21	29.6	19.2	21.6	29.8	19.8	22.2	4.8	23.2	32.8	24.0	31.8	25.2	30.6
22	30.0	20.6	22.4	29.2	20.4	22.4	4.7	24.2	33.0	25.4	32.4	26.0	31.0
23	31.4	21.2	22.4	29.0	20.6	22.8	5.0	24.0	34.0	26.4	33.0	27.0	32.6
24	32.0	21.0	23.0	29.0	22.0	22.6	5.2	24.0	33.0	25.2	32.0	26.0	30.2
25	30.0	19.2	22.2	30.8	20.0	22.8	4.9	23.0	33.8	24.2	32.6	25.0	31.0
26	31.8	21.0	23.0	29.8	22.0	22.8	5.1	23.2	32.0	24.6	31.0	25.0	30.0
27	31.0	20.2	23.8	29.0	21.6	21.6	5.0	23.0	32.0	24.0	31.8	24.4	30.0
28	30.2	19.8	23.2	31.2	21.6	22.8	4.9	23.2	36.2	24.6	35.0	25.0	34.0
29	32.0	21.0	24.0	29.2	22.6	21.4	5.2	24.0	35.0	25.2	33.8	26.0	32.0
30	31.8	20.8	23.0	29.8	21.8	21.4	5.2	24.2	34.6	25.0	33.8	26.2	32.0
31	32.2	21.4	23.4	30.4	21.4	23.4	5.2	24.0	34.0	25.2	32.0	25.6	31.2
Mean	30.5	20.2	22.8	28.7	20.9	22.5	4.9	23.0	32.3	24.1	31.3	24.8	30.2
Std. Week No: 32 (August 6- August 12) No. of Days: 7													
Mean	30.1	20.2	22.7	28.4	20.6	23.1	4.8	22.3	31.2	23.4	30.3	24.0	29.6
Std. Week No: 33 (August 13 -August 19) No. of Days: 7													
Mean	30.9	19.9	22.6	27.9	21.0	22.3	5.1	23.0	32.9	24.1	31.9	24.7	30.6
Std. Week No: 34 (August 20 - August 26) No. of Days: 7													
Mean	30.6	20.2	22.2	29.4	20.6	22.6	4.9	23.4	33.1	24.7	32.1	25.6	30.9
Std. Week No:35 (August 27 - Sept. 02) No. of Days: 7													
Mean	31.4	20.6	23.5	29.9	21.8	22.1	5.0	23.7	34.4	24.8	33.3	25.4	31.8

PART- II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : August

Year : 2023

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)	
	Vap. Pr. (mm) Hg.		Rel. Hum. %		Speed (Km/hr)	Direction			0700	1400			0830
	0700	1400	0700	1400	0700	0700	1400						
	LMT	LMT	LMT	LMT	LMT	LMT	LMT		LMT	LMT			IST
1	15.8	17.6	74	62	8.3	320	230	8.2	4	2	0.0	4.8	
2	15.9	16.4	75	55	8.7	230	270	5.6	4	2	0.0	4.2	
3	17.5	16.5	83	58	9.5	270	320	6.8	4	4	0.0	5.8	
4	17.4	17.2	82	59	8.5	320	230	7.8	4	0	0.0	6.2	
5	17.5	17.4	83	67	6.5	230	230	7.7	4	2	6.0	5.2	
6	16.6	17.5	80	61	6.0	230	230	6.4	2	2	0.6	5.0	
7	15.5	16.8	81	61	5.2	230	230	7.8	4	4	8.4	5.2	
8	15.3	17.9	74	63	4.8	230	230	5.0	4	4	0.8	4.6	
9	15.1	18.1	76	62	4.6	230	230	1.2	6	4	1.4	3.2	
10	17.1	19.6	80	65	4.9	230	230	8.5	4	2	0.0	6.4	
11	18.9	18.3	90	62	4.6	230	230	7.7	4	4	0.0	4.4	
12	21.2	20.0	95	66	3.7	230	230	6.2	4	4	0.0	5.4	
13	16.8	16.9	85	59	5.5	270	230	5.2	4	2	0.0	5.6	
14	18.9	18.8	90	63	5.3	230	230	7.8	4	4	0.0	6.2	
15	16.8	17.5	85	59	4.6	230	230	8.4	2	2	0.0	4.6	
16	16.2	14.8	80	52	5.9	230	230	10.2	4	4	0.0	5.8	
17	19.1	16.5	88	58	4.5	270	270	10.4	4	2	0.0	5.4	
18	19.3	16.6	91	59	7.4	270	270	9.4	4	4	0.0	6.0	
19	17.5	18.0	86	71	7.2	270	270	7.2	4	2	4.0	6.2	
20	15.9	17.2	87	61	7.0	270	270	6.3	4	2	4.6	4.4	
21	16.3	15.9	84	50	5.7	270	270	3.4	0	2	0.0	5.0	
24	16.9	16.5	83	54	3.9	230	230	10.6	4	2	0.0	4.0	
23	17.2	17.4	85	58	4.0	230	230	6.6	2	2	0.0	5.0	
24	19.3	17.0	91	57	4.1	320	320	8.2	2	2	0.0	4.6	
25	16.3	16.4	81	49	4.7	320	320	5.6	2	2	0.0	5.4	
26	19.3	16.9	91	54	4.8	320	320	8.8	2	4	0.0	7.0	
27	18.1	15.2	82	51	5.2	270	270	7.4	2	2	0.0	6.0	
28	18.5	16.1	87	47	4.8	270	270	4.2	2	4	0.0	5.4	
29	19.8	14.8	88	49	5.5	320	360	8.8	2	2	0.0	6.2	
30	18.9	14.5	90	46	5.0	45	45	5.6	2	4	0.0	5.8	
31	18.0	17.7	83	54	5.0	45	45	8.9	2	4	0.0	6.2	
Mean	17.5	17.0	84	58	5.7	7.2	3	3	25.8	5.3	
Std. Week No: 32 (August 6 - August 12) No. of Days: 7													
Mean	17.1	18.3	82	63	4.8	6.1	4.0	3.4	11.2	4.9	
Std. Week No: 33 (August 13 - August 19) No. of Days: 7													
Mean	17.8	17.0	86	60	5.8	8.4	3.7	2.9	4.0	5.7	
Std. Week No: 34 (August 20 - August 26) No. of Days: 7													
Mean	17.3	16.8	86	55	4.9	7.1	2.3	2.3	4.6	5.1	
Std. Week No: 35 (August 27 - Sept.02) No. of Days: 7													
Mean	18.7	16.7	86	49	5.1	7.0	2.0	3.2	0.0	5.9	