

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 : September
Year : 2023

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	31.0	18.2	22.0	28.0	20.0	23.8	5.3	22.0	33.0	23.0	31.6	23.6	30.0
2	29.8	19.0	23.0	28.8	20.8	22.2	4.9	21.0	30.0	22.6	29.0	23.0	28.0
3	30.0	20.2	23.0	28.0	21.8	22.0	4.7	20.0	29.8	22.4	28.0	23.0	27.6
4	28.4	19.0	22.0	24.2	21.0	21.0	4.5	20.0	27.0	21.4	26.0	22.0	25.0
5	26.0	19.2	21.0	25.0	19.0	22.2	3.7	20.2	27.0	21.2	26.4	22.0	25.2
6	27.0	19.8	22.0	27.8	20.8	23.2	3.9	20.6	28.0	21.2	26.6	22.6	25.0
7	29.0	20.0	23.2	29.0	21.0	23.2	4.4	20.2	30.0	21.2	28.4	22.2	27.2
8	29.2	19.2	23.0	27.4	21.8	22.8	4.6	20.0	29.0	20.8	27.2	21.0	26.0
9	28.2	18.4	22.0	28.0	21.0	23.0	4.5	20.2	29.8	21.0	27.8	22.2	26.2
10	30.2	20.4	22.0	28.0	20.8	21.4	4.7	23.0	26.0	24.2	27.0	25.0	28.0
11	29.0	20.2	21.8	27.0	20.2	23.2	4.4	22.0	28.0	23.8	27.8	24.0	26.0
12	28.0	19.0	23.0	29.0	21.2	23.4	4.3	21.0	30.2	22.2	29.6	23.0	28.0
13	30.2	20.2	23.2	29.4	21.8	23.0	4.7	22.0	32.4	23.2	31.2	24.0	30.0
14	29.8	19.2	23.4	26.6	21.0	22.2	4.8	21.2	28.0	22.0	27.4	22.8	26.0
15	29.2	20.0	23.2	25.2	21.0	22.0	4.4	21.0	27.0	22.0	26.4	22.8	25.0
16	27.8	19.0	23.0	27.8	22.0	23.8	4.2	20.0	28.0	21.2	26.2	22.0	25.0
17	29.4	20.2	22.0	28.0	20.8	21.8	4.5	21.0	27.0	22.2	26.0	23.4	25.0
18	29.0	19.8	23.0	28.0	20.8	21.0	4.4	22.0	28.0	23.0	26.2	24.0	25.0
19	29.8	20.0	23.0	28.8	21.0	20.8	4.6	20.0	29.0	21.4	28.2	22.4	26.0
20	30.2	19.8	23.0	28.2	20.8	21.0	4.7	21.0	29.8	22.4	28.2	23.0	26.0
21	29.4	20.0	23.2	26.2	21.0	23.0	4.5	22.0	28.6	23.0	27.2	24.2	26.2
22	29.2	20.0	22.6	28.8	20.8	23.6	4.4	21.8	30.0	23.6	29.2	24.2	28.4
23	29.4	21.2	22.8	29.0	20.6	23.8	4.2	24.0	29.2	24.8	28.4	25.2	28.0
24	30.0	21.2	21.2	29.2	20.0	23.4	4.4	22.6	29.6	24.0	28.0	25.2	26.4
25	30.2	21.0	22.0	27.0	20.2	23.6	4.5	22.0	28.2	23.6	26.8	24.2	25.0
26	28.4	19.2	22.0	28.2	20.0	23.8	4.3	21.6	29.4	23.0	28.2	23.8	26.8
27	30.0	21.0	21.0	26.4	20.0	22.6	4.4	21.8	28.2	23.2	27.0	24.4	26.6
28	30.0	20.2	21.0	28.0	20.2	22.2	4.5	21.4	27.8	23.0	26.0	24.2	25.2
29	29.8	20.0	21.4	25.8	20.0	22.4	4.5	22.4	28.0	24.4	27.0	25.0	26.4
30	31.0	19.8	22.0	29.2	20.0	23.8	4.8	22.8	28.6	23.8	27.4	25.2	26.0
Mean	29.3	19.8	22.4	27.7	20.7	22.6	3.3	21.4	28.8	22.6	27.7	23.5	26.5
Weekly Mean													
Std. Week No:36 (Sept. 3 - Sept. 9) No. of Days : 7													
Mean	28.3	19.4	22.3	27.1	20.9	22.5	4.3	20.2	28.7	21.3	27.2	22.1	26.0
Std. Week No:37 (Sept.10 - Sept.16) No. of Days: 7													
Mean	29.2	19.7	22.8	27.6	21.1	22.7	4.5	21.5	28.5	22.7	27.9	23.4	26.9
Std. Week No:38 (Sept .17 - Sept. 23) No. of Days: 7													
Mean	29.5	20.1	22.8	28.1	20.8	22.1	4.5	21.7	28.8	22.9	27.6	23.8	26.4
Std. Week No:39 (Sept. 24 - Sept.30) No. of Days: 7													
Mean	29.9	20.3	21.5	27.7	20.1	23.1	4.5	22.1	28.5	23.6	27.2	24.6	26.1

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : September

Year : 2023

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm) 0830 IST	Pan Evap. (mm) 0830 IST
	Vap. Pr. (mm) Hg.		Rel. Hum. %		Speed (Km/hr)	Direction			0700	1400		
	0700	1400	0700	1400	0700	0700	1400					
	LMT	LMT	LMT	LMT	LMT	LMT	LMT		LMT	LMT		
1	16.4	19.8	83	70	4.3	230	230	4.6	4	4	85.6	5.4
2	17.2	16.4	82	55	3.6	230	230	5.9	4	4	0.0	5.0
3	18.9	16.5	90	58	3.9	230	230	4.8	2	4	4.0	3.0
4	18.1	16.9	91	75	5.9	230	320	2.4	4	2	0.0	3.0
5	15.4	18.5	82	78	7.8	230	230	0.3	2	4	0.0	4.8
6	17.8	18.8	90	67	6.1	230	230	0.5	4	4	10.6	2.0
7	17.4	18.1	82	60	6.8	230	230	5.8	6	4	0.0	3.8
8	18.9	18.3	90	67	7.4	230	230	6.7	4	4	3.0	4.4
9	18.1	18.3	91	65	7.6	230	230	5.6	4	4	4.2	3.8
10	17.8	15.5	90	55	8.1	320	320	9.7	2	4	0.0	4.6
11	16.9	19.2	86	72	6.5	320	320	6.3	4	2	0.0	4.4
12	17.9	18.5	85	61	5.6	320	320	3.2	2	2	0.0	3.2
13	18.8	17.5	88	57	6.2	230	230	6.2	2	4	0.0	3.6
14	17.3	17.6	80	67	5.8	230	230	9.1	2	2	24.8	3.8
15	17.4	18.1	82	75	7.1	230	230	6.2	4	4	5.6	3.2
16	19.3	19.9	91	71	6.0	230	230	5.1	4	4	7.8	2.8
17	17.8	16.1	90	57	5.0	230	230	7.0	4	2	10.8	3.4
18	17.2	14.8	82	52	3.4	230	230	6.8	4	4	4.8	3.0
19	17.5	14.0	83	47	5.5	230	230	6.5	2	4	4.2	3.2
20	17.2	14.7	82	51	5.0	230	230	9.4	4	4	8.0	4.4
21	17.4	19.3	82	76	2.1	230	230	5.2	4	2	0.0	3.6
22	17.4	19.0	85	64	5.7	230	320	6.0	4	2	0.0	3.6
23	17.0	19.2	82	64	3.5	320	230	7.3	2	2	0.0	4.0
24	16.9	18.4	89	60	4.2	230	270	7.8	2	2	12.0	4.2
25	16.8	20.0	85	75	3.9	230	230	7.7	2	2	0.4	3.8
26	16.4	19.7	83	69	3.5	90	230	1.6	4	4	3.6	2.8
27	17.0	18.5	91	71	5.0	230	320	8.2	4	2	0.0	4.2
28	17.3	16.9	93	59	4.2	230	320	5.2	2	2	0.0	5.0
29	16.8	18.4	88	74	3.8	230	320	3.4	2	4	4.6	4.0
30	16.4	19.1	83	63	6.8	230	230	7.2	2	2	0.0	4.0
Mean	17.4	17.9	86	64	5.3	..	..	5.7	3	3	194.0	3.8
Weekly Mean												
Std. Week No:36 (Sept. 3 - Sept. 9) No. of Days : 7												
Mean	17.8	17.9	88	67	6.5	..	..	3.7	4	4	21.8	3.5
Std. Week No:37 (Sept.10 - Sept.16) No. of Days: 7												
Mean	17.9	18.0	86	65	6.5	..	..	6.5	3	3	38.2	3.7
Std. Week No:38 (Sept .17 - Sept. 23) No. of Days: 7												
Mean	17.4	16.7	83	59	4.3	..	..	6.9	3	4	25.2	3.6
Std. Week No:39 (Sept. 24 - Sept.30) No. of Days: 7												
Mean	16.8	18.7	87	67	4.5	..	..	5.9	3	3	20.6	4.0

Note: Rainfall is in Total