

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 : 2022

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 Cm	5 Cm	10Cm	10Cm	15Cm	15Cm
	0700	1400	0700	1400	0700	1400		0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT		LMT	LMT	LMT	LMT	LMT	LMT
1	27.8	19.8	21.8	26.4	21.0	21.4	3.3	21.4	27.6	22.0	26.6	23.0	26.0
2	27.2	18.0	22.0	26.8	21.2	21.6	3.8	21.2	29.0	21.8	28.0	22.4	26.6
3	28.0	19.4	22.0	27.8	20.8	20.6	4.1	21.0	28.8	22.4	28.2	23.6	27.0
4	29.2	18.8	21.8	28.0	20.6	21.8	4.8	21.2	29.8	22.2	28.0	23.0	27.0
5	29.2	19.0	21.6	28.0	20.8	21.6	4.8	21.0	25.8	21.8	25.4	22.0	25.0
6	29.0	19.2	22.0	27.6	20.2	21.4	4.7	21.2	27.0	22.0	26.4	22.2	26.0
7	28.2	19.2	21.6	26.4	20.8	20.8	4.4	21.6	26.6	21.8	26.0	22.0	25.6
8	27.0	19.4	22.0	25.2	20.6	20.6	4.0	21.8	27.0	22.0	26.2	22.4	25.8
9	25.8	18.6	21.8	26.0	20.6	21.4	3.7	21.6	27.0	21.8	26.0	22.0	25.2
10	26.6	19.8	22.2	25.8	21.4	21.2	3.5	21.4	27.4	22.0	26.2	22.2	26.0
11	26.2	18.6	21.8	27.2	21.0	21.6	3.3	21.2	27.6	22.2	26.6	22.6	25.8
12	28.0	19.2	22.0	26.2	20.6	21.4	3.4	21.8	27.8	22.0	26.4	23.6	26.0
13	27.0	17.0	21.6	26.0	20.4	21.2	4.4	21.6	27.8	22.4	26.6	23.4	26.2
14	26.4	18.0	21.6	26.8	20.0	20.6	4.0	21.4	27.6	22.0	26.8	23.0	26.4
15	27.0	18.2	21.0	26.4	19.8	20.8	4.1	21.8	27.8	22.0	26.6	23.0	26.0
16	26.8	18.4	21.6	26.8	20.4	21.0	4.0	21.6	27.6	21.8	26.4	22.4	26.0
17	27.4	18.6	21.2	28.0	20.0	21.2	4.2	22.0	28.0	22.8	26.8	23.4	26.4
18	28.6	18.2	20.8	27.8	19.4	21.0	4.6	22.0	28.4	22.6	27.0	24.0	26.6
19	29.0	18.2	21.6	26.8	20.4	20.8	4.7	21.8	28.0	22.4	27.0	23.6	26.4
20	27.0	17.0	20.0	27.0	19.6	21.0	4.3	21.6	28.4	22.0	27.0	23.0	26.6
21	27.2	18.8	21.8	26.4	20.6	20.8	4.0	21.4	34.6	22.0	31.6	23.2	28.8
22	27.0	17.6	21.4	27.8	20.0	21.4	4.2	21.6	32.4	22.4	30.0	22.8	28.4
23	28.6	17.4	22.0	28.0	20.8	21.6	4.6	22.4	34.8	23.4	33.0	23.8	30.8
24	28.6	18.8	21.8	28.2	20.4	21.8	4.4	22.6	35.0	23.8	33.2	24.0	32.0
25	28.8	18.0	21.6	28.8	19.4	21.4	4.6	22.8	36.6	23.4	34.0	24.0	33.2
26	30.0	17.8	22.0	28.2	20.8	21.2	4.9	22.8	34.6	23.8	32.2	24.0	32.0
27	28.0	18.6	22.0	27.0	20.2	21.4	4.2	22.0	31.0	23.4	30.0	24.2	29.6
28	27.4	19.6	21.8	27.2	20.4	21.6	3.9	21.8	31.4	22.4	30.0	23.8	29.8
29	27.4	19.6	21.4	26.6	20.8	21.4	3.9	22.4	31.8	22.6	30.0	24.0	29.6
30	26.8	17.6	21.2	25.0	20.4	21.6	4.1	22.4	28.8	22.8	28.6	23.8	27.0
Mean	27.7	18.5	21.6	27.0	20.4	21.2	4.2	21.7	29.5	22.4	28.2	23.1	27.5
Weekly Mean													
Std. Week No:36 (Sept. 3 - Sept. 9) No. of Days : 7													
Mean	28.1	19.1	21.8	27.0	20.6	21.2	4.4	21.3	27.4	22.0	26.6	22.5	25.9
Std. Week No:37 (Sept.10 - Sept.16) No. of Days: 7													
Mean	26.9	18.5	21.7	26.5	20.5	21.1	3.8	21.5	27.7	22.1	26.5	22.9	26.1
Std. Week No:38 (Sept .17 - Sept. 23) No. of Days: 7													
Mean	27.8	18.0	21.3	27.4	20.1	21.1	4.4	21.8	30.7	22.5	28.9	23.4	27.7
Std. Week No:39 (Sept. 24 - Sept.30) No. of Days: 7													
Mean	28.1	18.6	21.7	27.3	20.3	21.5	4.3	22.4	32.7	23.2	31.1	24.0	30.5

PART II

Time of Observation:

I--> 0700 Hours LMT = 0720 IST

II--> 1400 Hours LMT = 1420 IST

Month : September

Year : 2022

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	0830
	0700	1400	0700	1400	0700	0700	1400					
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST	
1	18.2	16.3	93	63	2.5	320	320	0.8	2	3	8.2	3.2
2	18.4	16.5	93	62	2.4	90	230	2.6	6	6	16.0	2.8
3	17.8	14.2	90	51	1.4	230	270	5.8	3	3	0.0	3.4
4	17.5	16.1	90	57	1.3	270	230	5.7	4	3	18.6	3.2
5	18.0	15.8	93	56	3.3	320	270	4.5	4	3	69.8	2.8
6	16.8	15.7	85	57	2.4	270	230	7.5	3	4	13.8	3.2
7	18.0	15.3	93	59	3.3	230	230	3.1	8	4	3.6	2.8
8	17.4	15.7	88	65	5.5	320	230	0.0	6	4	5.4	3.2
9	17.5	16.6	90	66	5.5	230	230	0.0	8	6	0.2	3.2
10	18.7	16.3	93	66	7.0	230	230	3.8	6	6	1.6	3.2
11	18.2	16.2	93	60	7.6	230	230	0.2	6	4	0.2	3.0
12	17.4	16.5	88	65	10.6	230	230	4.2	6	4	1.8	3.6
13	17.3	16.2	89	64	9.3	230	230	2.2	6	6	0.0	3.8
14	16.7	14.8	86	56	6.2	230	230	3.7	6	3	2.6	3.6
15	16.7	15.3	89	59	5.8	230	230	5.3	4	3	0.0	4.2
16	17.3	15.4	89	58	5.3	230	230	3.3	4	3	0.0	3.8
17	16.9	15.1	89	53	4.5	230	270	6.3	6	4	0.0	3.6
18	16.1	14.9	88	53	5.2	270	270	9.2	6	3	0.0	4.0
19	17.3	15.1	89	57	5.2	270	270	8.5	6	4	0.0	3.8
20	16.9	15.3	96	57	5.5	230	230	4.4	6	4	0.0	4.0
21	17.5	15.3	90	59	5.9	270	230	7.0	6	3	0.0	4.2
22	16.8	15.6	88	56	4.4	230	230	6.1	3	3	0.0	4.0
23	17.8	15.8	90	56	4.5	230	230	8.7	2	2	0.0	4.4
24	17.2	16.0	88	56	6.0	230	270	7.6	2	3	0.0	4.2
25	15.7	15.0	81	51	5.3	270	270	8.2	0	4	0.0	4.0
26	17.8	15.0	90	52	4.4	270	270	10.2	6	4	0.0	4.4
27	16.8	16.0	85	60	3.8	270	270	3.0	4	3	0.0	4.2
28	17.2	16.2	88	60	3.6	270	270	4.9	6	3	0.0	4.0
29	18.1	16.2	95	62	3.7	270	270	0.9	6	4	0.0	3.8
30	17.5	17.5	93	74	4.2	320	270	1.6	4	4	0.2	3.2
Mean	17.4	15.7	90	59	4.9	..	..	4.6	5	4	142.0	3.6
Weekly Mean												
Std. Week No:36 (Sept. 3 - Sept. 9) No. of Days : 7												
Mean	17.6	15.6	90	59	3.2	..	..	3.8	5	4	111.4	3.1
Std. Week No:37 (Sept.10 - Sept.16) No. of Days: 7												
Mean	17.5	15.8	90	61	7.4	..	..	3.2	5	4	6.2	3.6
Std. Week No:38 (Sept .17 - Sept. 23) No. of Days: 7												
Mean	17.0	15.3	90	56	5.0	..	..	7.2	3	0	28.0	4.0
Std. Week No:39 (Sept. 24 - Sept.30) No. of Days: 7												
Mean	17.2	16.0	88	59	4.4	..	..	5.2	4	4	0.2	4.0

Note: Rainfall is in Total