

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 : 2021

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Mi.	Dry	Dry	Wet	Wet		5 Cm	5 Cm	10Cm	10Cm	15Cm	15Cm
	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	28.2	19.6	22.6	28.0	20.8	21.4	4.3	21.6	28.8	22.0	27.4	23.0	26.6
2	29.4	19.6	22.0	26.0	20.0	21.6	4.7	21.4	28.0	22.4	27.6	22.6	26.8
3	26.4	18.8	20.4	25.8	20.0	21.2	3.9	20.4	28.4	22.4	27.4	23.6	26.6
4	26.0	19.0	21.2	26.8	20.4	20.8	3.7	20.6	27.8	21.8	26.8	22.8	26.0
5	26.8	18.8	20.4	26.2	19.8	20.8	4.0	20.6	26.4	21.4	25.4	22.4	25.0
6	26.8	18.6	21.4	26.6	20.2	21.0	4.1	21.4	26.0	22.0	26.6	23.4	26.8
7	27.2	19.6	21.4	26.4	20.6	20.8	4.0	20.6	26.8	21.0	26.6	22.8	26.0
8	26.6	18.8	21.4	27.4	20.8	21.0	4.0	21.0	28.4	22.4	27.8	23.0	26.0
9	27.8	18.8	22.0	27.8	20.8	21.4	4.3	21.4	28.8	22.6	27.6	23.0	27.0
10	28.2	18.6	22.0	28.0	21.4	21.6	4.4	21.6	29.4	22.6	28.8	23.4	27.4
11	29.0	19.4	22.6	27.6	20.8	20.8	4.5	21.8	29.6	22.6	28.6	23.8	27.6
12	28.2	18.8	21.4	27.0	20.6	21.4	4.4	21.4	29.6	22.8	28.6	24.0	27.6
13	27.4	19.6	22.0	27.8	20.8	21.8	4.0	21.8	30.0	22.9	28.6	23.6	27.4
14	28.4	20.2	23.0	27.8	21.6	21.8	4.2	21.8	29.4	22.6	28.2	23.8	27.0
15	28.2	18.2	21.2	27.8	20.6	21.4	4.5	21.6	29.0	22.4	28.2	23.4	27.4
16	28.2	18.4	22.0	28.0	20.6	21.8	4.4	21.6	32.0	22.4	30.0	23.8	28.6
17	29.2	20.2	22.0	29.0	20.6	21.6	4.4	20.8	32.0	21.8	30.2	22.4	29.0
18	30.8	19.6	22.0	29.0	21.2	21.6	4.9	21.4	28.6	22.0	28.0	23.6	27.2
19	30.2	19.0	22.0	29.0	20.6	21.6	4.9	21.6	29.8	22.0	28.6	22.8	28.2
20	30.0	19.4	22.0	28.8	20.8	21.8	4.7	21.6	31.6	23.8	29.8	24.0	29.0
21	29.2	19.0	21.6	27.6	20.6	21.0	4.6	20.8	26.6	21.6	26.0	22.0	25.8
22	28.6	19.2	21.2	26.0	20.4	21.2	4.4	20.6	25.4	22.0	26.0	22.2	26.4
23	26.0	18.8	21.2	26.8	20.6	21.4	3.7	20.8	28.2	21.8	27.8	22.0	26.6
24	27.0	18.6	22.0	27.4	21.0	21.8	4.0	21.0	29.0	22.0	27.8	23.2	26.8
25	27.6	19.4	23.0	28.0	21.4	21.6	4.0	21.6	28.8	22.4	27.6	23.0	26.8
26	28.4	18.4	21.0	27.4	20.4	20.8	4.4	21.0	26.0	22.0	26.4	22.8	24.8
27	28.0	18.0	21.4	26.6	20.6	21.0	4.4	20.8	27.4	22.0	25.6	22.6	23.8
28	26.8	18.6	21.4	27.0	20.8	21.4	3.9	20.6	26.6	21.6	25.0	22.4	23.8
29	27.4	18.4	21.6	26.8	21.0	21.6	4.1	20.8	27.6	21.4	26.0	22.0	24.8
30	27.2	18.8	22.4	27.0	21.2	21.4	4.0	21.4	27.8	22.4	26.6	23.0	25.4
Mean	28.0	19.0	21.7	27.4	20.7	21.3	3.1	21.2	28.5	22.2	27.5	23.0	26.6
Weekly Mean													
Std. Week No:36 (Sept. 3 - Sept. 9) No. of Days : 7													
Mean	26.8	18.9	21.2	26.7	20.4	21.0	4.0	20.9	27.5	21.9	26.9	23.0	26.2
Std. Week No:37 (Sept.10 - Sept.16) No. of Days: 7													
Mean	28.2	19.0	22.0	27.7	20.9	21.5	4.3	21.7	29.9	22.6	28.7	23.7	27.6
Std. Week No:38 (Sept .17 - Sept. 23) No. of Days: 7													
Mean	29.1	19.3	21.7	28.0	20.7	21.5	4.5	21.1	28.9	22.1	28.1	22.7	27.5
Std. Week No:39 (Sept. 24 - Sept.30) No. of Days: 7													
Mean	27.5	18.6	21.8	27.2	20.9	21.4	4.1	21.0	27.6	22.0	26.4	22.7	25.2

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : September

Year : 2021

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm) 0830	Pan Evap. (mm) 0700
	Vap. (mm)	Pr. Hg.	Rel. Hum. %		Speed (Km/hr)	Direction						
	0700	1400	0700	1400		0700	1400					
	LMT	LMT	LMT	LMT	LMT	LMT	LMT		LMT	LMT			IST	IST
1	17.4	15.5	85	55	5.2	270	270	7.9	4	4	0.0	3.6
2	16.4	16.9	83	67	4.7	270	270	8.2	4	4	0.0	3.8
3	17.3	16.3	96	66	5.5	270	270	0.7	8	4	27.8	2.4
4	17.5	15.1	93	57	6.1	270	270	1.8	8	4	0.0	2.8
5	17.0	15.4	95	61	5.5	270	270	1.2	8	6	18.0	2.8
6	17.1	15.5	89	60	6.7	270	270	1.2	8	6	16.6	2.0
7	17.8	15.3	93	59	8.1	270	270	1.4	6	4	2.8	2.4
8	18.1	15.1	95	55	8.5	270	270	2.0	6	4	0.0	2.6
9	17.8	15.6	90	56	7.1	270	270	8.6	6	3	0.0	3.6
10	18.8	15.8	95	56	7.0	270	270	7.8	4	3	0.0	3.4
11	17.4	14.7	85	53	6.7	270	270	6.0	4	4	0.0	3.8
12	17.8	16.0	93	60	8.0	270	270	6.9	4	4	0.0	4.0
13	17.8	16.3	90	58	10.0	270	270	7.3	4		0.0	4.2
14	18.6	16.3	88	58	9.4	270	270	4.3	6	4	0.0	4.0
15	17.9	15.6	95	56	7.1	270	270	3.7	4	4	0.0	3.8
16	17.4	16.1	88	57	5.0	270	270	6.2	6	4	0.0	3.8
17	17.4	15.2	88	51	2.2	270	230	7.2	4	4	2.4	3.8
18	18.4	15.2	93	51	3.7	230	230	9.4	3	6	1.2	4.8
19	17.4	15.2	88	51	2.4	270	270	2.2	3	3	0.0	4.2
20	17.8	15.7	90	53	1.8	270	270	6.4	4	4	0.0	3.6
21	17.6	15.0	91	54	3.1	270	270	5.3	3	4	66.4	3.0
22	17.5	16.2	93	64	4.3	270	270	6.2	8	4	8.4	2.6
23	17.9	16.1	95	61	4.7	270	270	3.4	8	4	0.0	3.2
24	18.1	16.5	91	60	4.2	270	270	4.7	4	3	0.0	3.8
25	18.2	15.8	87	56	2.8	270	270	4.0	4	4	0.0	4.2
26	17.6	14.8	95	54	4.2	270	270	5.5	4	4	16.4	3.6
27	17.8	15.5	93	60	4.9	270	230	4.6	4	3	5.4	3.0
28	18.1	16.0	95	60	8.0	230	270	2.1	6	4	0.0	2.8
29	18.3	16.5	95	62	7.2	270	270	3.7	4	3	1.4	2.4
30	18.2	16.0	90	60	5.8	270	270	10.0	3	3	0.0	2.8
Mean	17.7	15.7	91	58	5.7	..	..	5.0	5	4	166.8	3.4
Weekly Mean												
Std. Week No:36 (Sept. 3 - Sept. 9) No. of Days : 7												
Mean	17.5	15.5	93	59	6.8	..	..	2.4	7	4	65.2	2.7
Std. Week No:37 (Sept.10 - Sept.16) No. of Days: 7												
Mean	17.9	15.8	90	57	7.6	..	..	6.0	5	4	0.0	3.9
Std. Week No:38 (Sept .17 - Sept. 23) No. of Days: 7												
Mean	17.7	15.5	91	55	3.2	..	..	5.7	4	11	25.2	3.6
Std. Week No:39 (Sept. 24 - Sept.30) No. of Days: 7												
Mean	18.0	15.9	92	59	5.3	..	..	4.9	4	3	23.2	3.2

Note: Rainfall is in Total