

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 : November
 Year : 2023

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		0830	0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT		IST	LMT	LMT	LMT	LMT	LMT	LMT
1	29.0	18.2	22.4	27.0	20.4	20.2	4.1	20.0	29.2	21.6	28.0	21.8	27.8	
2	30.0	18.0	22.6	27.8	21.2	22.6	4.4	21.0	32.0	22.2	31.4	23.0	30.0	
3	29.2	19.0	23.0	28.8	22.0	22.8	4.0	20.0	33.0	21.2	32.4	23.0	31.0	
4	31.0	20.2	23.2	28.0	20.8	22.6	4.3	21.2	30.0	22.4	29.2	23.0	28.8	
5	30.0	20.2	23.2	28.0	21.4	21.6	4.0	20.2	30.0	21.6	24.2	22.0	28.0	
6	29.8	18.6	23.0	28.8	21.0	23.8	4.2	20.2	30.0	21.0	27.6	23.0	26.0	
7	29.0	18.2	22.0	28.8	21.0	22.8	4.1	20.0	33.0	21.2	32.4	21.6	31.0	
8	28.8	18.0	22.0	26.4	20.8	22.2	4.0	20.2	28.0	21.2	27.6	22.0	26.0	
9	28.0	18.2	23.0	26.2	21.6	21.6	3.8	20.0	27.0	21.0	25.4	21.6	24.2	
10	29.4	18.0	23.0	26.8	21.2	21.0	4.1	20.0	28.0	20.6	27.8	21.2	27.0	
11	30.0	18.4	23.0	28.0	21.0	21.6	4.2	21.0	30.2	22.2	29.6	22.8	29.0	
12	30.2	19.0	23.0	28.2	21.2	21.8	4.2	22.0	30.0	23.0	29.8	24.0	28.0	
13	29.2	19.4	20.8	28.4	18.4	20.2	3.9	21.0	29.8	23.4	28.0	25.0	27.2	
14	28.4	18.0	22.0	28.2	20.2	20.2	3.9	20.0	29.0	21.0	28.2	21.6	27.0	
15	29.0	18.2	22.0	28.2	21.0	21.0	4.0	21.0	30.0	21.2	29.2	22.0	29.0	
16	29.8	18.0	22.0	29.4	20.2	21.6	4.2	21.0	30.2	22.0	29.0	23.0	27.8	
17	29.6	20.4	21.4	28.8	20.0	21.4	3.8	23.2	31.0	24.0	30.2	24.8	29.0	
18	29.8	19.6	22.4	28.8	20.2	21.4	3.9	23.0	31.4	23.8	30.2	24.2	29.0	
19	29.6	19.2	21.2	28.6	19.8	21.2	3.9	22.8	31.2	23.4	30.6	24.2	29.8	
20	29.8	19.0	21.4	28.2	18.8	20.0	4.0	22.6	30.0	23.2	29.8	24.0	29.0	
21	30.0	18.2	22.0	28.8	20.4	21.2	4.1	21.0	28.0	22.0	27.4	22.8	26.0	
22	29.0	18.0	23.0	27.0	21.2	22.2	3.9	20.0	29.0	20.2	28.4	21.0	28.0	
23	28.4	18.6	23.0	26.0	21.0	21.8	3.7	20.0	28.0	21.0	27.0	21.6	26.0	
24	28.2	18.2	23.0	25.4	21.8	21.0	3.7	20.2	27.0	21.2	26.2	21.8	25.0	
25	28.2	19.6	21.4	28.2	19.2	21.0	3.5	21.0	26.0	22.8	25.2	23.0	24.0	
26	29.2	20.0	22.0	28.2	20.4	20.0	3.7	20.0	28.0	21.0	26.0	22.2	25.2	
27	29.0	18.6	21.6	27.0	19.8	21.6	3.8	20.0	26.2	22.2	25.0	23.4	24.8	
28	28.4	18.0	21.4	26.0	19.2	20.8	3.7	20.0	28.0	20.2	27.0	21.0	26.2	
29	28.0	19.2	22.0	27.2	20.8	22.2	3.5	21.0	30.0	22.0	28.4	22.4	27.0	
30	27.8	18.4	21.0	26.0	18.2	19.0	3.5	20.0	29.0	21.2	28.6	21.8	28.0	
Mean	29.2	18.8	22.2	27.7	20.5	21.4	3.9	20.8	29.4	21.8	28.3	22.6	27.5	
Weekly Mean														
Std. Week No:45 (Nov. 5 - Nov. 11) No. of Days : 7														
Mean	29.3	18.5	22.7	27.6	21.1	22.1	4.1	20.2	29.5	21.3	27.8	22.0	27.3	
Std. Week No:46 (Nov.12 - Nov.18) No. of Days: 7														
Mean	29.4	18.9	21.9	28.6	20.2	21.1	4.0	21.6	30.2	22.6	29.2	23.5	28.1	
Std. Week No:47 (Nov .19 - Nov. 25) No. of Days: 7														
Mean	29.0	18.7	22.1	27.5	20.3	21.2	3.8	21.1	28.5	22.0	27.8	22.6	26.8	
Std. Week No:48 (Nov. 26 - Dec.2) No. of Days: 7														
Mean	28.5	18.8	21.6	26.9	19.7	20.7	3.8	20.2	28.2	21.3	27.0	22.2	26.2	

PART II

Time of observation :

Month : November

I---> 0700 Hours LMT = 0720 IST

Year : 2023

II---> 1400 Hours LMT = 1420 IST

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		
	0700	1400	0700	1400	0700	0700	1400	0700	0700	1400	0830	0830
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST
1	16.9	14.0	83	52	8.2	140	45	0.4	2	2	0.0	2.8
2	18.1	17.7	88	63	8.0	140	140	7.4	2	2	0.0	3.2
3	19.3	17.5	91	59	5.8	140	140	6.2	2	0	0.0	4.6
4	17.1	17.6	80	62	6.8	140	140	7.8	0	2	0.0	4.2
5	18.1	15.8	85	56	6.2	140	140	4.8	2	2	5.2	3.0
6	17.5	19.3	83	65	5.6	140	45	6.5	2	4	0.0	3.4
7	18.1	17.5	91	59	2.2	140	140	2.4	4	4	89.2	3.4
8	17.8	17.7	90	69	2.9	140	140	2.6	4	4	0.8	2.8
9	18.6	16.8	88	66	3.4	140	140	5.4	4	4	32.0	2.0
10	17.9	15.4	85	58	5.6	90	90	3.4	4	4	0.0	3.8
11	17.5	15.8	83	56	5.0	90	90	6.8	4	4	0.0	4.0
12	17.9	16.0	85	56	5.2	90	90	6.6	4	4	0.0	4.2
13	14.5	13.2	79	46	6.3	90	90	10.3	4	2	0.0	4.4
14	16.8	13.3	85	46	6.4	90	90	8.4	4	4	0.0	4.2
15	18.1	14.7	91	51	7.0	90	90	5.0	4	2	0.0	3.6
16	16.8	15.0	85	49	4.5	90	90	7.2	2	2	0.0	5.2
17	16.8	15.0	88	51	7.5	140	90	7.8	2	0	0.0	4.0
18	16.5	15.0	81	51	1.6	140	90	8.3	0	0	0.0	5.4
19	16.5	14.8	88	50	6.4	140	90	8.2	2	0	0.0	5.0
20	14.8	13.0	78	45	6.6	90	90	9.4	2	2	0.0	5.6
21	17.1	14.7	86	49	8.5	90	90	9.6	4	4	0.0	4.8
22	17.9	17.4	85	65	7.1	90	90	1.4	4	2	0.0	2.8
23	17.5	17.3	83	68	4.5	90	140	2.8	4	4	6.4	1.6
24	18.9	16.2	90	67	6.3	90	140	3.4	2	6	0.0	3.2
25	15.5	14.7	81	51	6.5	140	140	6.3	4	2	0.0	3.4
26	17.1	13.0	86	45	5.2	140	140	2.5	4	4	19.8	4.4
27	16.3	16.4	84	61	9.4	140	140	1.7	4	4	0.0	4.4
28	15.5	15.5	81	62	6.6	90	90	4.8	4	4	0.0	2.4
29	17.8	17.3	90	64	5.2	90	140	8.7	4	4	0.0	1.8
30	14.1	12.6	76	50	7.9	90	140	8.5	4	4	0.8	2.2
Mean	17.1	15.7	85	56	5.9	..	..	5.8	3	3	154.2	3.7
Weekly Mean												
Std. Week No:45 (Nov. 5 - Nov. 11) No. of Days : 7												
Mean	17.9	16.9	86	61	4.4	..	..	4.6	3	4	127.2	3.2
Std. Week No:46 (Nov.12 - Nov.18) No. of Days: 7												
Mean	16.8	14.6	85	50	5.5	..	..	7.7	3	2	0.0	4.4
Std. Week No:47 (Nov .19 - Nov. 25) No. of Days: 7												
Mean	16.9	15.4	84	57	6.6	..	..	5.9	3	3	6.4	3.8
Std. Week No:48 (Nov. 26 - Dec.2) No. of Days: 7												
Mean	16.2	15.2	83	56	6.9	..	..	5.2	4	4	20.6	3.0