

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: 2024

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	19.0	21.0	28.0	20.0	23.0	4.0	20.2	31.0	21.8	30.0	22.4	29.4
2	30.2	19.8	23.2	28.0	21.4	22.8	4.2	21.0	30.6	22.6	29.2	23.4	28.8
3	30.8	20.8	22.8	28.8	21.8	21.6	4.2	20.8	31.2	22.4	29.4	23.2	29.0
4	30.2	19.8	22.8	28.4	20.4	23.6	4.1	22.0	30.0	23.2	29.0	24.0	28.6
5	30.0	20.0	22.6	27.0	21.8	21.0	4.1	22.2	29.0	23.0	28.0	23.6	28.0
6	31.0	21.0	23.2	27.0	21.0	20.4	4.1	21.2	29.8	22.0	28.4	22.8	28.0
7	28.2	18.0	22.8	26.8	21.2	20.6	3.9	20.2	28.8	21.2	28.0	21.8	27.8
8	27.2	19.2	21.0	27.0	19.8	20.2	3.4	21.0	29.0	22.4	28.2	23.0	28.0
9	28.6	19.0	21.8	28.6	20.2	21.4	3.8	22.0	28.2	22.8	28.0	23.6	27.6
10	29.2	18.8	22.0	27.4	20.6	19.8	4.0	21.6	29.4	23.0	28.2	23.4	27.8
11	28.0	18.2	21.0	27.0	19.8	21.4	3.8	21.4	29.2	22.0	28.0	22.6	27.6
12	28.4	18.4	22.4	23.4	21.4	20.2	3.8	21.0	27.0	22.6	25.0	22.8	24.0
13	25.2	18.0	21.0	26.6	20.2	21.4	3.1	20.0	28.0	21.2	27.2	21.8	26.4
14	27.0	20.4	21.2	24.4	20.4	23.0	3.1	22.0	26.0	22.6	25.4	23.4	25.0
15	25.5	19.6	21.2	26.2	20.2	21.0	2.9	20.2	26.2	21.0	25.6	21.8	25.0
16	27.4	19.8	21.0	26.8	20.2	21.2	3.3	21.0	26.6	21.4	26.0	22.6	25.4
17	27.2	20.0	21.0	26.0	20.2	21.4	3.2	21.0	26.2	22.6	25.0	23.0	24.8
18	28.0	19.8	22.0	26.0	21.0	20.8	3.4	21.0	25.2	21.2	24.8	22.0	24.0
19	27.0	18.2	22.0	26.8	20.8	21.2	3.5	20.2	29.0	21.2	28.2	22.8	28.0
20	27.2	18.0	22.8	25.2	21.8	20.2	3.5	21.2	29.0	21.8	28.4	22.0	28.0
21	28.0	18.2	22.0	26.4	20.6	20.4	3.7	20.2	29.2	21.2	29.0	22.4	28.2
22	27.8	18.0	21.6	27.2	20.4	21.0	3.6	20.8	31.2	21.6	30.0	22.8	29.2
23	29.8	18.8	23.0	27.6	21.8	21.2	4.0	21.2	30.4	22.4	29.0	23.8	28.2
24	30.0	19.8	22.0	27.8	20.8	21.8	3.9	21.0	31.6	22.0	30.2	23.4	29.0
25	29.6	19.4	19.6	26.6	18.2	20.0	3.8	21.0	30.0	22.4	29.0	22.8	28.2
26	28.8	19.8	22.0	22.0	20.8	19.8	3.6	20.0	28.0	21.2	26.0	22.4	25.0
27	25.2	18.0	22.0	24.0	20.6	21.0	3.0	20.0	28.2	20.8	27.0	22.6	26.2
28	25.0	18.0	22.0	24.8	21.0	19.0	2.9	20.2	28.2	21.6	26.4	23.4	26.0
29	26.0	18.2	20.0	25.2	19.2	20.4	3.1	20.0	27.8	21.6	26.2	21.8	26.0
30	26.8	19.0	21.2	23.0	20.0	20.2	3.2	20.0	28.0	20.8	27.2	21.2	26.8
Mean	28.1	19.1	21.8	26.3	20.6	21.0	3.6	20.9	28.7	21.9	27.7	22.8	27.1
Weekly Mean													
Std. Week No:45 (Nov. 5 - Nov. 11) No. of Days: 7													
Mean	28.9	19.2	22.1	27.3	20.6	20.7	3.9	21.4	29.1	22.3	28.1	23.0	27.8
Std. Week No:46 (Nov.12 - Nov.18) No. of Days: 7													
Mean	27.0	19.4	21.4	25.6	20.5	21.3	3.3	20.9	26.5	21.8	25.6	22.5	24.9
Std. Week No:47 (Nov.19 - Nov. 25) No. of Days: 7													
Mean	28.5	18.6	21.9	26.8	20.6	20.8	3.7	20.8	30.1	21.8	29.1	22.9	28.4
Std. Week No:48 (Nov. 26 - Dec.2) No. of Days: 7													
Mean	26.4	18.6	21.4	23.8	20.3	20.1	3.4	20.0	28.0	21.2	26.6	22.3	26.0

PART II

Time of observation:

Month: November

I---> 0700 Hours LMT = 0720 IST

Year: 2024

II---> 1400 Hours LMT = 1420 IST

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	0700	1400	0700	0700	1400	0700	0700	1400	0830	0830
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST
1	17.0	18.3	91	65	2.9	45	270	3.0	6	2	15.2	4.2
2	18.1	17.9	85	63	5.2	90	45	5.0	4	0	0.0	5.6
3	19.0	15.4	91	52	2.5	315	90	9.0	6	4	22.2	4.8
4	16.6	19.2	80	66	1.7	90	270	7.3	2	2	0.0	4.2
5	19.1	15.3	93	57	2.2	90	90	8.2	2	2	0.0	5.4
6	17.4	14.3	82	54	5.3	270	45	9.6	2	2	0.0	6.2
7	18.0	14.8	86	56	5.8	90	90	2.8	4	2	0.0	4.8
8	16.7	14.0	89	52	5.9	45	315	2.4	2	2	0.0	4.2
9	16.9	15.1	86	52	5.0	90	45	9.1	2	2	0.0	4.6
10	17.4	13.1	88	48	2.0	270	45	9.2	2	2	0.0	4.8
11	16.7	16.0	89	60	5.4	90	45	7.8	2	2	0.0	4.6
12	18.6	16.0	91	74	5.2	90	45	7.1	2	6	0.0	5.2
13	17.3	16.2	93	62	6.6	90	45	0.0	8	4	0.0	2.2
14	17.5	20.3	93	89	7.3	90	140	1.8	6	8	0.0	3.6
15	17.2	15.8	91	62	5.3	90	45	0.6	4	2	8.2	3.2
16	17.3	15.8	93	60	4.5	90	270	1.5	4	2	2.4	3.6
17	17.3	16.6	93	66	7.0	45	140	3.2	4	2	0.0	3.6
18	18.1	15.5	91	62	6.9	90	140	1.9	4	4	0.0	4.4
19	17.8	15.8	90	60	5.7	90	140	2.5	2	2	0.0	4.0
20	19.0	15.0	91	62	5.8	90	140	2.0	2	2	0.0	3.8
21	17.4	14.7	88	57	4.1	90	140	2.8	2	2	0.0	3.2
22	17.3	15.2	89	56	2.4	90	45	1.6	2	2	0.0	2.6
23	18.9	15.3	90	55	3.3	90	90	9.3	2	2	0.0	3.0
24	17.8	16.3	90	58	3.4	90	45	6.3	2	2	0.0	3.8
25	14.9	13.9	87	53	2.8	45	45	5.8	2	2	0.0	3.6
26	17.8	16.1	90	81	7.2	90	45	4.8	4	4	0.0	4.4
27	17.4	17.0	88	76	7.8	45	45	4.8	4	4	0.0	2.8
28	18.1	13.3	91	57	8.9	90	45	1.2	4	2	0.0	2.2
29	16.2	15.3	93	64	6.6	90	45	5.3	2	2	0.0	2.4
30	16.9	16.2	89	77	9.1	90	45	2.4	2	4	0.0	2.8
Mean	17.5	15.8	89	62	5.1	..	..	4.6	3	3	48.0	3.9
Weekly Mean												
Std. Week No:45 (Nov. 5 - Nov. 11) No. of Days: 7												
Mean	17.5	14.7	88	54	4.5	..	..	7.0	2	2	0.0	4.9
Std. Week No:46 (Nov.12 - Nov.18) No. of Days: 7												
Mean	17.6	16.6	92	68	6.1	..	..	2.3	5	4	10.6	3.7
Std. Week No:47 (Nov .19 - Nov. 25) No. of Days: 7												
Mean	17.6	15.2	89	57	3.9	..	..	4.3	2	2	0.0	3.4
Std. Week No:48 (Nov. 26 - Dec.2) No. of Days: 7												
Mean	17.3	15.5	90	71	7.9	..	..	3.7	3	3	0.0	2.9