

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: February
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		0700	0700	1400	0700	1400	0700
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	31.2	19.8	20.0	29.2	18.2	20.2	4.4	22.4	31.2	23.6	30.0	24.0	29.0
2	31.0	1.2	19.2	29.0	18.0	20.4	5.6	21.0	31.4	22.4	30.2	23.0	30.0
3	31.8	20.0	22.2	29.2	20.6	21.0	4.5	22.0	31.2	23.0	30.2	23.8	30.0
4	31.0	19.2	22.2	29.0	21.0	20.4	4.5	21.2	32.0	22.8	31.0	23.0	30.0
5	30.8	19.0	21.2	30.2	19.2	21.2	4.5	22.0	32.0	23.0	30.4	24.0	30.0
6	31.2	18.8	20.2	31.0	19.0	21.4	4.6	22.4	31.0	23.0	30.2	24.2	29.2
7	31.4	19.2	20.4	30.0	18.8	20.8	4.6	22.0	31.2	23.2	30.2	24.0	29.4
8	31.0	19.4	22.2	30.8	20.0	20.0	4.5	22.2	32.0	23.0	31.2	24.0	30.8
9	30.8	19.0	22.0	31.4	20.2	21.8	4.5	22.4	32.4	23.6	31.4	24.8	30.6
10	31.6	19.2	22.0	28.2	19.2	20.0	4.7	22.6	33.2	23.2	32.0	24.0	31.0
11	31.4	19.0	22.0	28.2	19.4	19.6	4.7	23.0	33.2	24.0	32.0	24.2	31.0
12	31.0	19.0	22.0	30.4	19.2	20.6	4.6	22.4	32.2	23.0	31.2	24.0	30.0
13	31.4	19.2	22.2	30.2	19.2	20.4	4.7	22.6	32.2	23.0	31.0	23.4	30.4
14	31.2	18.4	22.0	29.8	19.4	20.6	4.8	22.4	31.2	23.0	30.6	24.0	30.0
15	31.0	19.2	22.2	29.8	19.0	20.8	4.6	21.0	31.6	22.4	30.2	23.2	30.0
16	31.6	19.4	22.4	29.0	19.6	20.2	4.8	22.0	32.0	22.4	31.0	23.0	30.0
17	31.8	18.4	22.0	29.0	19.8	20.0	5.0	22.4	32.6	23.0	31.4	24.0	30.2
18	31.0	18.2	22.4	29.0	19.8	19.8	4.8	21.8	33.0	22.8	31.8	24.2	30.0
19	31.4	18.4	22.0	29.0	19.8	20.0	4.9	21.2	33.0	22.4	32.0	23.6	31.2
20	30.8	18.0	22.0	29.0	19.6	19.4	4.8	21.4	34.0	22.0	33.0	22.8	32.0
21	31.8	19.8	23.0	30.2	19.8	20.6	4.8	22.0	34.0	23.0	33.2	24.0	32.0
22	32.0	19.8	23.2	30.8	20.6	20.8	4.9	22.4	34.0	23.4	33.6	24.0	32.0
23	31.6	19.0	23.2	30.4	20.8	19.8	4.9	22.6	34.2	23.0	33.8	24.2	33.0
24	32.0	19.8	23.0	31.4	19.8	20.8	4.9	22.2	34.0	23.4	33.2	24.8	33.0
25	31.8	19.2	23.0	30.0	19.6	19.8	5.0	22.4	34.2	23.0	33.4	24.0	33.0
26	31.6	19.0	23.0	29.0	20.2	19.4	5.0	23.0	34.0	23.6	33.0	24.0	32.2
27	32.0	19.8	24.0	29.8	20.8	20.2	5.0	23.2	33.8	24.0	32.6	24.2	31.2
28	31.8	19.0	24.2	30.2	20.6	20.0	5.1	22.4	33.4	23.4	32.0	24.0	31.0
29	31.4	19.2	24.0	30.4	20.8	20.2	4.9	23.0	33.8	24.0	32.6	24.2	31.4
Mean	31.4	18.5	22.2	29.8	19.7	20.4	4.8	22.2	32.7	23.1	31.7	23.9	30.8
Std. Week No: 6 (Feb 5 - Feb 11) No. of Days: 7													
Mean	31.2	19.1	21.4	30.0	19.4	20.7	4.6	22.4	32.1	23.3	31.1	24.2	30.3
Std. Week No:7 (Feb 12 - Feb 18) No. of Days: 7													
Mean	31.3	18.8	22.2	29.6	19.4	20.3	4.7	22.1	32.1	22.8	31.0	23.7	30.1
Std. Week No: 8 (Feb 19 - Feb 25) No. of Days: 7													
Mean	31.6	19.1	22.8	30.1	20.0	20.2	4.9	22.0	33.9	22.9	33.2	23.9	32.3

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : February

Year : 2024

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. Pr. (mm) Hg.		Rel. Hum. %		Speed (Km/day)	Direction			0700	1400	0830	0830
	0700	1400	0700	1400	0700	0700	1400					
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST
1	14.7	12.8	84	42	6.6	230	90	9.8	0.0	0.0	0.0	5.8
2	14.8	13.2	89	44	6.4	140	140	9.6	0.0	0.0	0.0	4.8
3	17.3	14.1	86	46	7.0	140	140	8.2	0.0	0.0	0.0	5.8
4	18.0	13.2	90	44	7.2	140	140	7.8	0.0	0.0	0.0	4.4
5	15.6	13.9	83	43	7.0	180	45	9.8	0.0	0.0	0.0	5.2
6	15.8	13.8	89	41	6.0	45	90	10.4	0.0	0.0	0.0	5.6
7	15.4	13.3	86	42	7.0	45	45	10.2	0.0	0.0	0.0	5.8
8	16.3	11.6	81	35	6.2	45	90	10.0	0.0	0.0	0.0	6.2
9	16.8	14.3	85	41	5.8	90	45	9.8	0.0	0.0	0.0	6.4
10	15.1	13.0	76	45	5.4	90	45	10.5	0.0	0.0	0.0	5.8
11	15.5	12.4	78	43	4.8	90	90	10.0	0.0	0.0	0.0	5.2
12	15.1	12.8	76	39	4.2	90	140	9.4	0.0	0.0	0.0	5.0
13	15.0	12.6	75	39	6.4	90	140	10.2	0.0	0.0	0.0	5.8
14	15.5	13.1	78	42	8.6	140	140	10.0	0.0	0.0	0.0	5.4
15	14.7	13.4	73	43	9.4	90	90	9.8	0.0	0.0	0.0	4.4
16	15.6	12.9	77	43	9.2	90	140	9.2	0.0	0.0	0.0	6.8
17	16.1	12.6	81	42	9.6	90	140	10.4	0.0	0.0	0.0	6.2
18	15.9	12.2	78	41	9.0	90	90	10.2	0.0	0.0	0.0	6.0
19	16.1	12.6	81	42	9.2	90	180	10.0	0.0	0.0	0.0	6.2
20	15.8	11.6	80	39	9.0	90	45	8.0	0.0	0.0	0.0	6.0
21	15.6	12.9	74	40	8.9	180	315	8.5	0.0	0.0	0.0	6.2
22	16.8	12.9	79	39	4.2	270	180	9.2	0.0	0.0	0.0	5.2
23	17.1	11.5	80	35	3.0	270	180	9.9	0.0	0.0	0.0	5.8
24	15.6	12.6	74	36	2.8	270	180	10.4	0.0	0.0	0.0	5.4
25	15.2	11.7	72	37	2.2	270	270	7.8	0.0	0.0	0.0	6.0
26	16.2	11.6	77	39	3.2	270	140	9.1	0.0	0.0	0.0	5.2
27	16.7	12.4	74	40	6.6	90	140	10.2	0.0	0.0	0.0	5.4
28	16.2	11.9	72	37	8.4	90	140	9.2	0.0	0.0	0.0	5.6
29	16.7	12.1	74	37	9.0	90	140	10.0	0.0	0.0	0.0	5.8
Mean	15.9	12.7	79	41	6.6	9.6	0	0	0.0	5.6
Std. Week No: 6 (Feb 5 - Feb 11) No. of Days: 7												
Mean	15.8	13.2	82.5	41.5	6.0			10.1	0.0	0.0	0.0	5.7
Std. Week No:7 (Feb12 - Feb 18) No. of Days: 7												
Mean	15.4	12.8	76.9	41.1	8.1			9.9	0.0	0.0	0.0	5.7
Std. Week No: 8 (Feb 19 - Feb 25) No. of Days: 7												
Mean	16.0	12.2	77.1	38.2	5.6			9.1	0.0	0.0	0.0	5.8