

AICRP on Agrometeorology
University of Agricultural Sciences, GKVK, Bangalore-560 065
Meteorological Observation at GKVK, Bangalore
PART- I

District : Bengaluru
Lat : 13° 05' N: Long : 77° 34' E: Alt. : 924 m (amsl)

Month : March

State : Karnataka

Year: 2021

Date	Air Temperature °C						PET(mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5cm	10cm	10cm	15cm	15cm
	0700	1400	0700	1400	0700	1400		0700	0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	32.4	15.2	20.4	30.0	18.6	21.4	3.4	21.4	32.0	22.8	31.0	23.8	28.8
2	31.6	15.0	20.8	30.2	19.0	21.0	3.5	21.8	32.8	22.8	31.4	23.6	30.0
3	31.6	15.6	20.8	31.6	18.8	21.4	3.6	22.0	32.0	23.6	31.0	24.0	28.8
4	31.0	15.8	21.0	28.8	19.8	20.8	3.6	22.0	32.4	23.4	31.2	24.0	28.8
5	30.0	16.4	21.0	30.0	19.8	21.2	3.6	22.2	32.6	23.6	31.8	24.0	30.8
6	31.2	14.8	21.4	30.6	19.6	21.4	3.3	21.8	32.8	22.6	31.8	23.8	30.0
7	31.4	15.2	21.4	30.8	19.4	21.2	3.5	21.6	32.8	22.8	31.8	23.6	30.0
8	32.6	19.0	21.8	31.6	19.0	20.8	4.1	21.8	34.0	22.4	33.0	23.6	29.8
9	31.8	16.6	20.4	30.8	18.8	20.4	3.9	21.8	35.6	22.6	33.0	23.8	31.8
10	31.2	16.8	21.0	31.6	19.8	20.8	3.7	22.0	35.8	22.0	33.0	22.8	32.4
11	32.2	18.4	20.4	30.4	19.2	20.8	4.1	21.6	35.8	22.8	33.8	23.8	31.8
12	31.8	16.6	21.4	30.0	20.0	21.0	3.8	22.0	36.0	23.6	33.4	23.8	31.0
13	31.0	16.0	20.0	29.6	19.0	21.2	3.2	22.0	36.2	24.0	33.8	26.0	32.0
14	31.0	16.4	20.4	29.8	19.8	21.2	3.7	21.8	36.4	22.6	34.0	23.8	32.0
15	31.8	15.4	20.4	31.8	19.8	21.0	3.7	22.0	36.4	23.4	33.8	23.8	31.0
16	32.0	16.6	21.4	31.8	20.2	21.4	3.6	22.6	36.8	24.4	34.0	25.8	32.4
17	32.6	16.4	21.8	31.6	20.6	21.2	3.8	22.8	37.0	23.8	35.2	24.8	33.0
18	32.4	16.6	22.0	31.8	20.8	21.0	3.7	22.6	36.4	23.8	33.8	25.0	31.8
19	32.6	16.4	21.4	33.2	19.0	19.8	3.7	23.0	36.4	23.8	33.0	25.4	31.8
20	33.6	16.2	21.2	32.0	19.0	19.4	3.7	23.6	36.8	23.8	33.4	25.6	32.0
21	33.0	16.8	21.8	31.8	20.2	20.4	4.0	23.0	37.0	23.6	33.8	25.0	33.0
22	33.0	16.6	21.8	33.6	19.8	20.8	4.0	23.0	37.4	23.4	34.8	25.0	33.0
23	33.8	17.4	22.0	33.4	20.2	21.4	3.9	23.2	37.6	24.0	35.0	25.4	33.4
24	33.6	17.6	22.0	32.0	21.4	21.2	4.2	23.0	36.0	24.0	35.0	25.6	34.0
25	33.4	18.6	23.0	33.4	20.8	21.0	4.2	23.2	36.6	24.6	34.6	25.0	32.8
26	34.2	18.0	22.4	33.0	20.8	21.2	4.4	23.4	37.0	24.6	36.0	25.8	34.8
27	34.4	18.0	22.2	33.0	20.8	21.6	4.3	23.8	37.4	24.8	36.0	26.0	35.0
28	34.0	18.0	21.4	33.8	20.0	21.4	4.2	23.6	37.0	23.8	36.4	25.0	35.6
29	34.4	18.2	21.6	34.0	20.0	21.2	3.9	23.4	36.0	24.4	34.4	25.6	33.2
30	34.0	21.0	23.2	33.8	21.4	21.6	4.5	23.4	36.6	24.6	36.0	25.2	32.6
31	33.8	18.6	23.0	34.8	21.2	21.8	4.1	23.2	37.6	23.8	36.0	25.0	34.0
Mean	32.5	16.9	21.4	31.8	19.9	21.0	3.8	22.5	35.6	23.6	33.7	24.6	32.0
Weekly mean													
Std. Week No:10 (Mar 5 - Mar 11) No. of Days: 7													
Mean	31.5	16.7	21.1	30.8	19.4	20.9	3.7	21.8	34.2	22.7	32.6	23.6	30.9
Std. Week No:11 (Mar 12 - Mar 18) No. of Days: 7													
Mean	31.8	16.3	21.1	30.9	20.0	21.1	3.6	22.3	36.5	23.7	34.0	24.7	31.9
Std. Week No:12 (Mar 19 - Mar 25) No. of Days: 7													
Mean	33.3	17.1	21.9	32.8	20.1	20.6	3.9	23.1	36.8	23.9	34.2	25.3	32.9
Std. Week No:13 (Mar 26 - Apr 1) No. of Days: 7													
Mean	34.1	18.6	22.3	33.7	20.7	21.5	4.2	23.5	36.9	24.3	35.8	25.4	34.2

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : March

Year: 2021

Date	Humidity				Mean Wind			Bright	Cloud		Rainfall (mm)	Pan Evap. (mm)
	Vap. Pr. (mm) Hg.		Rel. Hum. %		Speed (Km/hr)	Direction		SSH	Amount (Octas)			
	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	15.1	20.7	84	45	2.7	45	90	10.2	0	0	0	6.4
2	15.5	19.8	84	42	4.7	140	90	9.5	0	0	0	6.6
3	15.2	20.6	82	39	4.6	90	90	9.7	0	0	0	6.0
4	16.7	19.0	89	47	6.0	90	90	10.5	0	0	0	6.2
5	16.7	19.7	89	44	6.1	90	90	10.2	0	0	0	6.0
6	16.1	20.1	84	43	3.9	45	45	9.5	0	0	0	6.8
7	15.8	19.9	83	41	5.5	45	90	9.6	0	0	0	6.2
8	14.9	19.4	76	36	5.4	140	140	10.8	0	0	0	6.6
9	15.4	18.9	86	37	7.0	140	90	10.0	0	0	0	7.6
10	16.7	19.0	89	36	6.1	140	90	10.0	0	0	0	7.4
11	16.0	19.3	89	40	6.8	140	140	10.0	0	0	0	6.6
12	16.8	19.2	88	43	7.6	140	140	8.2	0	0	0	7.6
13	15.9	20.1	91	46	5.5	140	140	5.4	0	0	0	7.2
14	17.0	19.7	95	45	5.8	140	140	10.0	0	0	0	7.4
15	17.0	19.3	95	36	6.5	140	140	9.8	0	0	0	7.6
16	17.1	19.8	89	38	5.1	140	140	8.4	0	0	0	7.8
17	17.5	19.2	90	38	4.7	45	140	10.2	0	0	0	8.2
18	17.8	18.8	90	36	3.9	90	90	9.3	0	0	0	8.4
19	15.2	17.8	79	26	4.9	140	45	8.4	0	0	0	9.4
20	15.3	17.1	81	28	3.7	140	140	9.6	0	0	0	7.0
21	16.9	18.1	86	33	4.9	230	140	9.9	0	0	0	6.6
22	16.2	19.0	83	29	5.7	140	140	9.8	0	0	0	8.8
23	16.8	19.8	85	32	5.0	140	140	8.4	0	0	0	8.8
24	18.8	18.8	95	36	6.4	90	140	9.4	0	0	0	9.4
25	17.2	18.8	82	31	5.2	140	45	9.3	0	3	0	9.8
26	17.5	19.1	86	33	6.6	90	140	8.9	3	2	0	10.2
27	17.6	19.8	88	35	6.4	140	140	9.0	2	2	0	10.8
28	16.8	19.9	88	31	5.5	140	140	7.8	3	2	0	9.6
29	16.7	19.5	86	30	5.7	140	45	3.7	2	0	0	9.0
30	18.1	19.5	85	32	5.4	270	45	8.4	2	2	0	7.8
31	17.9	19.9	85	30	3.7	270	315	9.0	2	2	0	6.6
Mean	16.6	19.3	86	37	5.4	..	..	9.1	0.5	0.4	0.0	7.8
Weekly mean												
Std. Week No:10 (Mar 5 - Mar 11) No. of Days: 7												
Mean	15.9	19.5	85	39	5.8	...	...	10.0	0.0	0.0	0.0	6.7
Std. Week No:11 (Mar 12 - Mar 18) No. of Days: 7												
Mean	17.0	19.4	91	40	5.6	...	...	8.8	0.0	0.0	0.0	7.7
Std. Week No:12 (Mar 19 - Mar 25) No. of Days: 7												
Mean	16.6	18.5	84	31	5.1	...	...	9.3	0.0	0.4	0.0	8.5
Std. Week No:13 (Mar 26 - Apr 1) No. of Days: 7												
Mean	17.4	19.6	86	32	5.6	...	...	7.8	2.3	1.7	0.0	9.0