

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: May
Year : 2020

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 Cm	5 Cm	10Cm	10Cm	15Cm	15Cm
	0700	700	0700	1400	0700	1400		0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT		IST	LMT	LMT	LMT	LMT	LMT	LMT
1	32.0	20.4	23.0	31.8	21.6	21.8	3.1	23.6	33.8	24.8	32.0	25.4	30.8
2	32.8	21.0	23.6	30.8	21.4	21.8	3.5	24.0	33.6	25.0	32.0	26.0	31.0
3	32.0	20.8	23.4	31.8	21.4	22.0	3.2	24.4	34.6	25.6	33.0	25.8	32.0
4	33.0	21.0	23.6	32.2	21.8	22.0	3.2	23.8	37.6	23.9	35.6	24.0	33.8
5	33.4	21.0	23.4	33.0	21.6	21.8	3.4	23.8	38.4	24.4	36.6	25.6	33.8
6	34.0	21.0	23.8	32.0	21.2	21.4	4.1	24.0	38.0	25.4	36.8	26.6	33.6
7	32.4	20.2	23.4	30.0	21.0	21.0	3.6	23.0	35.6	23.8	34.8	25.0	33.0
8	31.6	20.0	23.4	31.6	21.0	21.8	3.3	22.4	38.6	23.6	37.0	24.0	35.0
9	32.4	21.0	24.0	33.0	21.6	22.0	3.7	22.8	38.6	23.8	36.6	24.8	35.0
10	35.0	21.4	24.0	31.8	22.0	21.8	4.6	22.8	38.8	23.8	37.0	24.4	35.6
11	34.6	21.4	23.8	32.0	21.4	21.8	4.4	23.8	38.6	24.6	33.4	25.4	33.0
12	33.6	21.2	23.6	31.8	21.2	21.8	4.0	22.4	38.4	23.6	36.0	25.0	34.0
13	33.0	20.0	23.4	31.8	21.6	21.0	4.0	22.6	39.0	23.8	37.0	24.4	35.4
14	33.0	20.8	23.6	32.4	21.2	21.8	3.9	24.6	39.0	26.6	37.6	27.8	36.6
15	34.0	21.0	24.0	31.6	21.6	21.6	4.1	25.8	38.8	26.6	37.0	28.0	35.0
16	34.2	21.0	23.8	31.0	21.2	22.0	3.6	24.8	38.4	25.6	36.8	27.0	36.0
17	32.6	21.0	24.0	31.8	22.0	21.0	3.3	24.0	38.4	24.4	37.6	25.6	36.6
18	34.0	20.0	23.2	30.6	20.8	21.2	4.6	23.0	37.8	24.0	36.0	25.4	35.8
19	31.2	20.8	23.2	30.6	20.8	20.6	4.3	24.0	36.6	24.8	34.8	25.0	33.0
20	31.6	20.6	23.0	32.4	20.8	21.4	4.3	22.0	37.0	23.8	35.6	24.4	34.8
21	34.0	20.0	23.4	32.6	21.0	21.6	4.6	22.8	37.8	23.8	36.0	25.0	35.0
22	34.0	21.0	23.6	32.4	21.0	21.8	4.4	23.0	37.6	24.6	36.0	25.2	35.0
23	34.0	20.0	23.8	32.4	21.2	21.6	4.2	23.8	38.0	24.8	37.0	25.6	35.2
24	34.8	20.0	23.0	32.6	20.8	21.8	4.3	23.6	38.2	24.8	36.6	25.8	35.4
25	34.8	20.6	23.4	31.0	21.6	21.6	4.3	23.8	36.0	24.4	34.6	25.0	34.0
26	32.0	19.8	23.0	30.8	21.4	21.6	3.8	23.0	36.6	24.0	34.6	24.6	33.0
27	32.0	20.6	22.8	31.4	20.8	21.2	4.2	22.6	30.0	23.6	28.8	24.4	28.0
28	33.0	20.0	22.8	30.0	20.6	21.8	4.0	22.0	36.8	23.4	35.6	24.0	35.0
29	31.8	19.8	23.4	30.2	21.2	21.4	4.4	22.4	35.6	23.8	33.0	24.6	32.0
30	31.8	19.0	22.0	30.0	20.8	21.6	4.0	22.0	35.8	23.0	33.0	24.4	32.0
31	30.2	20.0	23.4	30.8	21.2	21.4	3.7	22.4	35.6	23.6	34.8	24.0	34.0
Mean	33.0	20.5	23.4	31.6	21.3	21.6	3.9	23.3	37.0	24.4	35.3	25.2	33.9
Weekly mean													
Std. Week No:19 (May 7- May 13) No. of Days: 7													
Mean	32.8	20.8	23.5	31.7	21.4	21.7	3.4	23.8	35.9	24.7	34.4	25.5	32.6
Std. Week No:20 (May 14 - May 20) No. of Days: 7													
Mean	33.3	20.8	23.7	32.1	21.4	21.7	4.0	23.1	38.7	24.3	36.4	25.1	34.9
Std. Week No: 21 (May21 - May 27) No. of Days: 7													
Mean	33.1	20.6	23.5	31.5	21.2	21.3	4.1	23.8	37.8	24.7	36.3	25.8	35.2
Std. Week No:22 (May 28 - June 3) No. of Days: 7													
Mean	33.5	20.3	23.2	31.5	21.1	21.6	4.2	23.1	36.2	24.2	34.7	24.9	33.7

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month: May

Year : 2020

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. (mm)	Pr. Hg.	Rel. Hum. %		Speed (Km/day)	Direction			0700	0700	1400	0830
	0700	1400	0700	1400	0700	0700	1400					
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST
1	18.6	19.7	88	40	2.6	225	270	2.6	0	0	0.0	6.2
2	17.9	19.8	82	44	3.9	270	225	3.9	0	2	0.0	6.6
3	18.0	20.2	83	41	2.7	225	225	2.7	0	2	0.0	6.8
4	18.6	19.9	85	39	2.5	225	315	2.5	0	0	2.6	7.0
5	18.4	19.7	85	35	3.3	225	225	3.3	0	0	0.0	7.2
6	17.4	19.2	79	37	2.9	225	225	10.8	0	2	0.0	6.6
7	17.3	18.7	80	43	3.2	225	270	6.2	2	2	3.8	4.4
8	17.3	20.0	80	41	3.4	270	225	3.4	0	2	0.0	4.2
9	18.0	20.0	81	36	2.9	360	225	7.3	0	0	0.0	6.0
10	18.7	19.5	84	40	5.8	225	225	10.9	0	0	0.0	6.0
11	17.8	19.8	80	39	5.3	225	225	10.5	0	2	0.0	6.8
12	17.6	19.9	80	40	3.9	90	225	8.1	2	2	0.0	6.2
13	18.4	18.3	85	36	6.1	225	225	7.3	0	0	0.0	6.4
14	17.6	19.9	80	38	3.4	270	225	9.1	0	0	0.0	6.6
15	18.0	19.3	81	40	4.3	90	270	8.9	0	2	0.0	7.4
16	17.4	20.3	79	44	5.2	270	225	1.3	2	3	0.0	6.4
17	18.7	18.1	84	36	3.0	270	225	2.4	2	2	0.0	5.8
18	17.1	19.1	80	42	8.2	270	270	9.2	3	3	0.0	6.0
19	17.1	18.1	80	38	9.9	270	225	5.3	8	3	0.0	4.4
20	17.2	19.4	82	36	10.4	225	270	4.5	4	2	0.0	6.2
21	17.3	19.7	80	36	8.3	270	270	8.9	0	0	0.0	7.0
22	17.2	20.0	79	38	7.1	270	225	7.4	3	2	14.0	4.8
23	17.4	19.6	79	37	5.7	270	270	7.1	0	0	0.0	6.0
24	17.2	20.1	82	37	5.6	270	90	7.8	0	0	0.0	7.2
25	18.4	19.3	85	42	5.8	270	270	7.0	0	3	27.6	5.2
26	18.2	19.5	87	43	4.4	270	270	6.4	6	3	1.4	4.8
27	17.3	19.1	83	38	4.9	225	225	9.0	3	3	12.4	4.4
28	17.0	20.3	82	47	5.4	270	225	6.2	6	2	18.6	4.0
29	17.7	19.2	82	44	7.0	225	225	9.7	0	3	0.4	4.8
30	17.8	19.8	90	46	5.3	320	320	8.4	6	3	44.2	4.0
31	17.7	19.2	82	42	4.7	320	270	5.6	2	2	0.0	4.8
Mean	17.7	19.5	82	40	5.1	..	..	6.6	2	2	125.0	5.8
Weekly mean												
Std. Week No:19 (May 7- May 13) No. of Days: 7												
Mean	18.0	19.5	83	40	3.0	..	..	4.6	0	1	0.9	6.4
Std. Week No:20 (May 14 - May 20) No. of Days: 7												
Mean	17.9	19.2	82	38	4.4	..	..	8.1	0	1	0.0	6.0
Std. Week No: 21 (May21 - May 27) No. of Days: 7												
Mean	17.6	19.6	81	39	7.0	..	..	5.8	3	2	1.8	6.2
Std. Week No:22 (May 28 - June 3) No. of Days: 7												
Mean	17.5	19.6	82	40	5.6	..	..	7.3	2	2	13.1	5.2