

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: April
 Year : 2017

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		0830	0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	35.0	21.0	22.8	33.8	20.8	21.8	4.7	26.6	38.8	28.0	37.4	28.8	37.0
2	35.2	20.2	23.2	32.8	20.6	22.0	4.6	27.0	38.4	27.8	37.0	28.4	36.6
3	34.8	21.0	23.0	33.0	21.0	22.0	4.6	27.4	38.6	27.6	36.6	28.8	34.8
4	34.2	21.4	23.6	32.2	21.8	21.8	4.2	26.8	38.6	27.6	36.6	28.8	35.6
5	34.8	21.6	23.8	31.8	21.4	21.6	4.2	25.6	37.0	27.0	36.0	27.8	35.6
6	34.2	21.4	23.4	31.8	21.2	22.0	4.3	26.0	37.0	27.4	36.0	27.8	35.2
7	34.0	21.8	23.2	33.4	21.4	22.2	4.5	26.6	37.0	27.8	36.8	27.8	35.6
8	35.0	23.0	24.4	32.8	22.0	22.4	4.2	26.8	37.4	27.0	36.6	27.6	36.0
9	35.6	22.6	24.4	33.0	22.2	22.6	4.5	27.0	37.8	27.8	37.0	28.6	36.6
10	35.4	23.0	24.8	33.0	22.4	22.4	4.7	27.0	39.0	27.8	37.8	28.4	37.0
11	35.6	22.8	24.4	33.8	22.0	22.2	4.3	27.6	38.8	28.0	37.0	28.8	36.0
12	35.6	22.6	24.0	34.0	22.0	23.0	4.6	27.0	39.0	27.6	37.6	28.0	36.6
13	35.8	22.8	25.0	34.6	22.6	22.2	4.7	27.6	38.8	28.0	36.6	28.6	35.8
14	36.8	21.0	23.0	33.4	21.4	22.4	4.5	27.0	38.6	29.6	37.0	30.0	36.0
15	35.4	22.0	23.8	33.0	21.6	21.8	4.9	27.2	38.4	28.8	37.4	29.8	36.2
16	35.0	22.0	23.4	34.0	21.6	22.0	4.7	27.0	39.0	27.8	37.0	28.8	35.8
17	35.0	21.6	23.4	33.8	21.2	22.0	4.8	26.8	38.8	27.8	37.6	29.0	36.8
18	35.2	21.8	23.6	33.2	21.6	22.8	4.7	27.0	38.0	28.2	36.6	28.8	36.0
19	34.0	22.4	24.4	33.2	22.0	22.2	4.8	27.6	38.0	28.6	36.8	29.0	35.0
20	35.0	22.0	24.0	33.0	22.0	21.6	4.7	26.6	38.4	28.0	37.0	28.8	36.4
21	34.8	21.6	22.8	32.0	21.0	22.0	4.6	26.8	38.4	27.6	36.6	28.0	36.0
22	33.2	21.8	23.6	33.8	21.8	22.0	4.6	27.0	38.2	27.8	36.0	28.8	35.6
23	35.0	22.6	24.0	32.6	21.8	22.2	5.1	27.4	38.4	28.0	36.6	28.4	36.0
24	35.2	22.4	24.0	33.8	21.8	23.0	4.9	27.6	39.8	28.0	37.0	28.6	36.0
25	35.6	23.2	24.2	34.0	22.0	22.0	5.0	28.2	38.6	28.8	37.0	29.2	36.6
26	36.8	21.4	24.0	33.4	22.2	22.8	4.7	27.0	39.0	27.8	36.0	28.6	35.6
27	35.0	23.4	25.2	34.0	23.4	22.8	4.6	27.6	39.6	27.8	37.6	28.8	36.8
28	35.6	22.4	24.0	33.0	22.4	22.0	4.9	28.6	38.6	28.8	37.4	29.8	36.8
29	34.6	21.6	23.6	33.4	21.8	21.6	4.5	27.6	38.4	28.0	37.0	28.8	36.0
30	34.2	20.0	21.8	34.0	20.6	21.8	4.6	27.0	38.4	27.8	37.0	28.0	36.6
Mean	35.1	21.9	23.8	33.3	21.7	22.2	4.6	27.1	38.4	28.0	36.9	28.6	36.1
Weekly mean													
Std.Week No:14 (April 2 - April 8) No. of Days: 7													
Mean	34.6	21.5	23.5	32.5	21.3	22.0	4.4	26.6	37.7	27.5	36.5	28.1	35.6
Std.Week No:15 (April 9 - April 15) No. of Days: 7													
Mean	35.7	22.4	24.2	33.5	22.0	22.4	4.6	27.2	38.6	28.2	37.2	28.9	36.3
Std.Week No:16 (April 16 - April 22) No. of Days: 7													
Mean	34.6	21.9	23.6	33.3	21.6	22.1	4.7	27.0	38.4	28.0	36.8	28.7	35.9
Std.Week No:17 (April 23 - April 29) No. of Days: 7													
Mean	35.4	22.4	24.1	33.5	22.2	22.3	4.8	27.7	38.9	28.2	36.9	28.9	36.3
Std.Week No:18 (April 30 - May 6) No. of Days: 7													
Mean	32.7	20.9	22.5	31.0	20.6	20.9	4.3	21.7	38.6	22.5	37.2	23.3	35.7

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month: April

Year : 2017

Date	Humidity				Mean Wind			Bright	Cloud		Rainfall (mm)	Pan
	Vap. Pr.	Rel. Hum.	Speed		Direction		SSH	Amount	1400	0830		Evap.
	(mm) Hg.	%	(Km/day)				(Octas)	(mm)			(mm)	
	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	11.8	10.4	83	33	8.4	140	140	9.4	0	0	0.0	10.6
2	12.2	10.4	79	37	7.6	140	230	9.9	0	0	0.0	8.6
3	12.5	10.5	83	36	8.5	270	230	8.7	0	2	0.0	8.6
4	13.8	10.1	85	38	5.1	230	230	8.7	0	2	0.0	8.4
5	13.5	10.0	80	39	5.4	230	230	7.8	0	2	0.0	5.6
6	13.4	10.3	82	41	6.2	230	230	8.3	2	2	1.6	5.6
7	12.9	10.5	85	36	7	230	230	8.9	2	2	0.0	8.2
8	14.1	10.5	81	39	3.9	230	230	8.0	2	2	0.0	7.8
9	14.3	10.8	82	39	6.1	230	230	8.6	0	0	0.0	8.6
10	14.4	10.8	81	38	7.1	230	270	8.6	0	0	0.0	9.6
11	13.4	10.4	81	35	5.4	270	230	6.8	0	0	0.0	8.4
12	13.7	11.2	84	37	6.8	230	230	8.5	0	0	0.0	8.2
13	13.7	10.7	81	32	6.6	230	230	9.5	0	0	0.0	9.0
14	13.0	10.7	87	37	6.1	230	270	8.8	0	0	0.0	9.8
15	13.1	10.5	82	35	8.6	270	230	9.2	0	0	0.0	9.4
16	12.7	10.5	85	33	7.8	230	270	8.5	0	2	0.0	9.6
17	12.3	10.5	82	34	9.4	270	270	7.1	3	0	0.0	8.8
18	13.6	11.0	83	39	8.1	270	230	7.7	0	0	0.0	8.4
19	13.7	10.7	81	37	8.6	230	270	8.8	0	0	0.0	8.8
20	13.5	10.2	84	35	7.5	270	270	8.1	3	0	0.0	7.4
21	13.1	10.5	85	40	8.8	270	225	6.3	2	2	0.0	7.0
22	13.0	10.4	85	34	8.6	315	270	7.1	2	2	0.0	7.8
23	13.8	10.8	82	39	8.6	270	230	10.0	0	0	0.0	7.8
24	13.6	11.3	82	38	7.2	230	270	9.4	0	0	0.0	8.6
25	13.2	10.7	82	31	8	270	270	8.5	0	0	0.0	9.0
26	14.2	11.1	85	39	7.1	320	230	7.3	0	0	0.0	7.8
27	15.4	11.0	86	37	4.5	230	320	8.8	0	0	0.0	8.4
28	14.2	10.6	87	36	6.6	320	320	9.6	0	0	0.0	9.0
29	13.0	10.1	85	33	6.9	320	320	8.0	0	0	0.0	8.6
30	11.4	10.3	90	32	6.9	90	90	5.6	0	0	0.0	6.8
Mean	13.4	10.6	83	36	7.1	..	..	8.4	1	1	1.6	8.3
Weekly mean												
Std.Week No:14 (April 2 - April 8) No. of Days: 7												
Mean	13.2	10.3	82	38	6.2	..	..	8.6	0.9	1.7	1.6	7.5
Std.Week No:15 (April 9 - April 15) No. of Days: 7												
Mean	13.7	10.7	82	36	6.7	..	..	8.5	0	0	0.0	8.8
Std.Week No:16 (April 16 - April 22) No. of Days: 7												
Mean	13.1	10.6	84	36	8.4	..	..	7.7	1	1	0.0	8.3
Std.Week No:17 (April 23 - April 29) No. of Days: 7												
Mean	13.9	10.8	84	36	7.0	..	..	8.8	0	0	0.0	8.5
Std.Week No:18 (April 30 - May 6) No. of Days: 7												
Mean	16.5	19.2	82	31	5.0	..	..	8.2	3	1	25.8	4.4

Note: Rainfall is in total