

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: 924m(amsl)

Month : May
 Year : 2017

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5 cm	10 cm	10 cm	15 cm	15 cm
	0700	1400	0700	1400	0700	1400		0830	0700	1400	0700	1400	0700
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	34.8	19.2	21.6	33.2	19.6	22.0	4.6	27.4	38.8	27.8	36.6	28.2	36.0
2	34.2	21.2	23.8	32.8	21.8	22.0	4.6	26.8	39.0	27.0	37.4	28.0	36.6
3	33.2	22	24.0	31.4	22.0	22.0	4.2	27.0	38.8	27.6	37.0	28.0	36.2
4	32.2	20.4	22.8	32.0	21.8	22.4	3.5	25.4	39.0	26.0	37.2	26.6	36.8
5	34.2	22	24.0	33.6	22.2	23.0	4.5	27.0	39.0	27.8	37.0	28.0	36.6
6	35.6	23.4	24.6	33.8	22.8	22.0	4.6	27.0	37.8	27.6	36.0	28.2	35.8
7	35.2	21.6	23.6	33.0	21.8	21.2	4.4	26.8	38.6	27.4	37.6	28.4	36.5
8	35.4	20.4	23.4	29.8	21.6	21.8	4.7	25.4	36.8	26.0	36.0	26.6	35.4
9	30.8	21.8	23.4	31.0	21.8	22.8	3.9	26.0	37.2	26.6	33.6	27.4	31.7
10	32	19	22.8	30.6	21.0	22.6	3.5	23.6	37.8	25.0	33.6	28.0	32.0
11	32	21	23.6	30.0	20.4	22.4	3.9	26.0	37.4	27.4	34.0	29.0	30.6
12	32	22	24.0	28.0	21.4	23.4	3.8	27.0	35.6	28.4	34.0	30.0	31.0
13	30.8	22.6	22.8	32.0	19.6	22.6	3.8	26.6	34.8	27.4	33.0	27.8	33.0
14	33.8	23	23.8	33.8	22.4	21.2	4.9	27.4	35.4	28.0	34.0	28.8	33.0
15	34.6	20	23.0	31.8	21.8	21.2	3.9	27.2	37.8	28.0	36.6	28.9	36.0
16	33	20.4	23.6	33.4	21.6	21.8	4.6	25.0	38.0	26.4	37.2	26.0	37.0
17	34.2	21.2	23.6	33.0	21.0	22.0	4.9	26.6	38.6	27.4	37.0	27.8	36.6
18	33.6	21.6	23.8	33.0	21.8	21.4	4.6	25.0	36.6	25.8	35.0	26.0	35.4
19	33.2	18.6	21.8	31.0	20.0	21.8	4.4	23.8	31.0	25.2	29.8	25.8	29.0
20	32	21.4	23.0	32.4	21.2	21.0	4.3	24.0	32.0	25.6	30.8	26.4	30.0
21	33.4	18.6	21.8	30.8	20.2	20.8	4.3	24.0	29.8	24.4	29.0	24.8	28.8
22	31.6	18.8	23.6	30.0	21.4	21.8	3.3	25.0	29.8	25.6	29.0	26.0	28.6
23	30.2	18.2	23.0	31.4	21.6	21.8	3.3	23.4	31.6	23.8	29.4	25.0	29.0
24	32.0	19.8	22.0	30.8	21.0	21.6	4.2	22.8	33.0	23.4	31.2	25.0	30.0
25	32.4	21.4	22.8	31.6	21.2	21.8	4.5	24.0	32.4	25.6	31.8	25.8	30.0
26	32.8	22.4	23.8	31.6	21.8	21.6	4.8	24.6	32.8	25.8	31.6	26.8	30.2
27	33.0	19.4	20.8	30.0	20.0	21.0	4.8	22.4	30.0	23.6	28.8	24.0	28.0
28	30.2	17.6	22.8	28.0	20.8	20.6	3.6	22.4	30.4	23.0	30.0	23.8	28.8
29	29.0	21.0	22.4	30.0	21.0	21.8	4.2	22.6	32.8	23.0	31.0	24.4	30.0
30	30.6	20.8	22.6	29.6	21.8	20.0	5.0	25.0	34.0	25.8	31.0	26.0	29.8
31	30.2	20.0	21.8	28.0	20.4	20.8	4.2	24.8	35.8	25.8	34.6	26.6	31.8
Mean	32.7	20.7	23.0	31.3	21.3	21.7	4.3	25.2	35.2	26.1	33.6	26.8	32.6
Weekly mean													
Std.Week No:19 (May 7- May 13) No. of Days: 7													
Mean	32.6	21.2	23.4	30.6	21.1	22.4	4.0	25.9	36.9	26.9	34.5	28.2	32.9
Std.Week No:20 (May 14 - May 20) No. of Days: 7													
Mean	33.5	20.9	23.2	32.6	21.4	21.5	4.5	25.6	35.6	26.6	34.3	27.1	33.9
Std.Week No: 21 (May21 - May 27) No. of Days: 7													
Mean	32.2	19.8	22.5	30.9	21.0	21.5	4.2	23.7	31.3	24.6	30.1	25.3	29.2
Std.Week No:22 (May 28 - June 3) No. of Days: 7													
Mean	30.0	19.9	22.4	28.9	21.0	20.8	4.3	23.7		24.4	31.7	25.2	30.1

PART- II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : May

Year : 2017

Date	Humidity				Mean Wind			Bright	Cloud			Rainfall	Pan
	Vap. Pr.		Rel. Hum.		Speed	Direction		SSH	Amount			(mm)	Evap.
	(mm)	Hg.	%		(Km/day)			(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	14.9	14.9	83	36	8.2	320	320	11.1	2	2	1.2	6.2	
2	17.4	13.9	84	37	8.9	320	230	8.9	3	0	0.0	7.2	
3	17.6	14.6	84	42	5.5	230	230	8.4	0	3	0.0	8.0	
4	18.5	15.3	91	42	3.5	230	230	6.2	0	0	18.0	6.4	
5	18.1	15.6	85	39	5.3	230	230	11.0	0	0	0.0	8.2	
6	18.8	12.8	85	34	6.4	270	230	8.4	3	0	0.0	8.0	
7	17.6	12.0	85	33	6.1	270	320	8.7	2	2	0.0	7.2	
8	17.4	15.3	85	48	10.2	320	270	8.2	3	2	11.2	6.0	
9	17.8	16.8	87	48	5.7	270	270	7.8	3	2	0.0	6.4	
10	16.7	17.0	85	49	5.6	225	135	5.5	0	0	4.0	6.0	
11	14.4	17.2	74	51	6.1	315	45	6.5	0	0	0.0	4.6	
12	16.2	20.1	79	67	5.9	225	315	6.0	0	1	0.0	5.8	
13	13.6	17.0	74	43	5.3	225	230	5.5	0	2	0.0	6.2	
14	18.8	11.2	88	30	10.1	270	270	7.4	0	2	0.0	6.6	
15	18.3	12.7	90	37	4.0	270	230	7.7	2	2	0.0	6.4	
16	17.1	13.3	83	34	8.7	230	230	9.8	2	2	4.6	5.2	
17	15.8	14.3	79	36	9.0	230	230	10.0	2	2	0.0	6.2	
18	17.4	12.5	84	34	8.5	230	230	7.5	2	2	4.2	6.0	
19	15.5	15.5	84	43	10.2	270	270	7.6	6	2	36.8	4.8	
20	16.9	12.2	85	34	7.8	320	230	6.1	2	2	0.0	5.4	
21	16.0	13.2	86	39	8.9	230	230	6.3	4	3	56.2	4.8	
22	16.7	15.3	82	47	5.5	270	270	2.5	4	0	0.0	5.4	
23	17.8	14.4	88	41	6.7	320	270	3.2	2	2	4.4	5.6	
24	17.5	14.6	91	43	6.3	270	230	9.2	0	2	5.2	5.8	
25	17.1	14.5	86	41	7.9	230	270	8.3	2	2	0.0	6.0	
26	17.4	13.7	84	40	10.4	270	230	7.2	0	2	0.0	6.8	
27	16.7	14.2	93	43	10.5	230	270	8.8	6	3	67.8	5.4	
28	16.2	14.0	83	50	8.5	270	270	4.6	6	4	33.0	5.2	
29	17.1	15.5	88	47	11.5	230	270	7.3	3	3	0.0	5.8	
30	18.7	11.2	93	39	12.4	270	230	10.7	4	3	0.0	5.6	
31	16.4	14.7	88	51	10.7	230	230	10.1	3	2	0.0	6.4	
Mean	17.0	14.5	85	42	7.8			7.6	2.1	1.7	246.6	6.1	
Weekly mean													
Std.Week No:19 (May 7- May 13) No. of Days: 7													
Mean	16.2	16.5	81	48	6.4	6.9	1	1	15.2	6.0	
Std.Week No:20 (May 14 -May 20) No. of Days: 7													
Mean	17.1	13.1	85	35	8.3	8.0	2	2	45.6	5.8	
Std.Week No: 21 (May21 - May 27) No. of Days: 7													
Mean	17.0	14.3	87	42	8.0	6.5	3	2	133.6	5.7	
Std.Week No:22 (May 28 - June 3) No. of Days: 7													
Mean	17.1	13.8	88	47	10.8	8.2	4	3	8.3	5.8	

Note: Rainfall is in total