

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

Month: April
Year : 2019

Alt. : 924 m (amsl)

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	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT		IST	LMT	LMT	LMT	LMT	LMT	LMT
1	34.4	21.0	23.4	32.4	21.0	21.8	4.1	23.6	38.4	24.8	37.0	25.6	34.8
2	34.8	20.2	23.6	33.0	21.2	21.8	4.0	24.0	39.0	24.8	37.0	26.6	36.6
3	34.8	21.0	23.8	33.2	21.6	21.8	4.0	24.8	39.4	26.0	37.8	27.4	36.8
4	35.0	21.0	24.0	33.0	20.8	21.4	4.7	25.0	39.0	26.6	37.0	27.6	36.8
5	34.8	20.8	23.4	32.8	21.0	21.6	4.6	24.6	39.0	26.0	37.6	26.6	36.6
6	34.8	21.2	23.6	33.2	21.0	21.4	4.3	24.4	39.0	26.6	37.8	27.0	37.0
7	35.0	21.0	24.0	33.4	21.2	21.8	4.4	24.8	39.0	27.0	37.4	27.8	36.6
8	35.2	21.4	24.2	31.8	21.2	21.6	4.3	24.9	38.6	26.0	37.0	27.2	36.4
9	34.6	20.8	24.0	32.0	20.6	21.8	4.3	24.0	39.0	25.6	37.6	26.8	36.8
10	34.8	20.8	23.8	33.8	21.0	22.0	4.2	23.6	38.6	24.0	37.8	25.8	36.6
11	35.2	21.0	24.0	33.0	21.2	21.8	4.2	23.8	38.8	24.0	36.6	25.4	36.0
12	35.0	20.6	24.2	34.2	21.4	22.0	4.1	24.0	39.0	24.6	37.0	26.6	37.0
13	36.0	21.0	24.4	33.4	21.0	21.6	4.4	24.6	39.4	26.0	37.6	26.6	36.6
14	35.0	21.2	24.2	34.0	21.2	21.8	4.6	24.0	39.0	26.6	37.0	27.0	36.8
15	35.2	20.4	24.2	33.4	20.8	21.6	4.5	24.0	39.4	25.6	38.4	26.6	37.0
16	35.0	20.6	24.4	33.0	21.0	21.2	4.5	24.4	38.8	26.0	38.6	27.0	38.0
17	34.8	21.4	25.0	33.8	21.6	21.6	4.6	24.0	39.0	24.8	38.0	26.0	37.6
18	35.6	20.4	24.0	32.0	21.2	21.4	4.3	23.0	37.0	24.0	36.2	25.0	34.0
19	34.8	20.2	23.4	31.8	20.8	21.0	4.7	22.0	37.4	23.4	36.0	24.8	34.6
20	33.0	20.2	22.8	31.6	20.4	21.4	4.2	24.6	35.6	24.8	33.0	25.0	31.8
21	32.8	20.4	23.0	31.8	20.4	21.6	4.4	24.0	37.4	25.2	36.6	26.6	34.8
22	33.0	20.0	23.4	33.2	20.8	21.8	3.9	24.6	38.8	25.8	37.0	27.0	36.8
23	35.0	20.4	23.8	32.4	21.0	21.6	4.7	24.4	39.0	26.0	37.0	27.2	36.2
24	34.0	20.6	24.0	31.8	21.0	21.4	4.2	24.0	38.8	26.4	37.4	27.4	36.8
25	34.0	20.4	24.0	32.6	21.6	21.8	4.5	25.2	39.4	26.6	37.6	27.6	36.8
26	35.0	20.2	24.0	34.0	21.0	21.8	4.6	25.4	40.0	26.6	38.6	27.0	37.0
27	36.6	21.4	24.0	34.0	21.0	22.0	4.4	26.4	40.6	27.4	38.0	28.0	36.8
28	36.4	21.4	24.2	31.8	21.2	21.4	4.6	25.8	39.8	26.6	37.4	27.0	36.8
29	32.6	20.8	23.8	32.0	20.8	21.2	4.2	25.6	39.0	27.0	37.6	28.0	35.6
30	34.8	20.6	24.0	33.0	21.0	21.2	4.6	25.4	37.6	26.6	36.0	27.2	35.8
Mean	34.7	20.7	23.9	32.8	21.0	21.6	4.4	24.4	38.8	25.7	37.2	26.7	36.3
Weekly mean													
Std.Week No:14 (April 2 - April 8) No. of Days: 7													
Mean	34.9	20.9	23.8	32.9	21.1	21.6	4.3	24.6	39.0	26.1	37.4	27.2	36.7
Std.Week No:15 (April 9 - April 15) No. of Days: 7													
Mean	35.1	20.8	24.1	33.4	21.0	21.8	4.3	24.0	39.0	25.2	37.4	26.4	36.7
Std.Week No:16 (April 16 - Aprilr 22) No. of Days: 7													
Mean	34.1	20.5	23.7	32.5	20.9	21.4	4.4	23.8	37.7	24.9	36.5	25.9	35.4
Std.Week No:17 (Aprilr 23 - April 29) No. of Days: 7													
Mean	34.8	20.7	24.0	32.7	21.1	21.6	4.5	25.3	39.5	26.7	37.7	27.5	36.6
Std.Week No:18 (Aprilr 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 : 2019

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	0700	1400			0830	0830
	0700	1400	0700	1400		0700	0700									1400
	LMT	LMT	LMT	LMT	LMT	LMT	LMT		LMT	LMT	LMT			IST	IST
1	17.3	13.7	80	38	4.6	225	225	8.6	0	0	0	8.8			
2	17.6	13.4	80	35	4.2	225	225	8.9	0	0	0	8.6			
3	18.1	13.3	82	35	4.2	225	225	7.7	0	0	0	8.8			
4	16.7	12.7	74	34	8.4	225	225	9.5	0	0	0	9.2			
5	17.3	13.1	80	35	8.2	270	225	9.2	0	0	0	8.8			
6	17.2	12.6	79	33	5.6	45	225	9.2	0	0	0	8.8			
7	17.3	13.2	77	34	5.8	45	225	9.0	0	0	0	9.2			
8	17.2	13.7	76	39	5.3	225	225	8.2	0	0	0	9.0			
9	16.3	13.9	73	39	5.6	45	140	8.5	0	0	0	8.6			
10	17.1	13.3	77	34	5.4	140	140	8.2	0	0	1.8	6.8			
11	17.3	13.4	77	35	4.1	140	230	9.1	0	0	0	7.8			
12	17.6	13.1	78	32	4.6	270	140	8.4	0	0	0	8.4			
13	16.8	12.8	73	33	5.2	140	140	9.1	0	0	0	8.8			
14	17.2	12.8	76	32	7.0	140	140	9.6	0	0	0	8.0			
15	16.5	12.8	73	33	6.9	180	140	9.3	0	0	0	8.6			
16	16.8	12.3	73	33	6.2	140	225	9.6	0	0	0	9.2			
17	17.5	12.6	74	32	6.1	225	225	10.5	0	0	0	8.0			
18	17.3	13.2	77	37	4.7	225	225	8.6	0	0	4.2	6.8			
19	17.0	12.7	79	36	7.5	225	225	9.7	0	0	16.6	6.0			
20	16.6	13.5	80	39	4.6	225	140	10.4	0	4	0	7.2			
21	16.5	13.7	78	39	7.7	225	225	7.9	4	2	0	4.8			
22	17.0	13.3	79	35	4.1	225	140	6.9	0	0	0	6.0			
23	17.1	13.4	77	37	8.0	90	225	8.4	0	2	0	6.2			
24	17.0	13.3	76	38	5.1	225	140	7.9	2	0	0	6.0			
25	18.0	13.6	81	37	5.9	90	140	10.2	0	0	0	7.6			
26	17.0	12.8	76	32	5.4	140	225	10.4	2	0	0	8.2			
27	17.0	13.2	76	33	4.2	225	140	8.0	0	0	0	9.2			
28	17.2	13.3	76	38	5.4	90	140	8.1	0	4	0	9.0			
29	16.8	12.9	76	36	4.7	90	225	1.9	0	2	0	8.2			
30	17.0	12.3	76	33	5.5	225	225	6.6	0	2	0	8.4			
Mean	17.1	13.1	77	35	5.7	..	..	8.6	0	1	22.6	7.9	
Weekly mean															
Std.Week No:14 (April 2 - April 8) No. of Days: 7															
Mean	17.3	13.1	78	35	6.0	..	..	8.8	0.0	0.0	0.0	9.0	
Std.Week No:15 (April 9 - April 15) No. of Days: 7															
Mean	17.0	13.2	75	34	5.5	..	..	8.8	0	0	1.8	8.1	
Std.Week No:16 (April 16 - April 22) No. of Days: 7															
Mean	17.0	13.0	77	36	5.8	..	..	9.1	1	1	20.8	6.9	
Std.Week No:17 (April 23 - April 29) No. of Days: 7															
Mean	17.2	13.2	77	36	5.5	..	..	7.8	1	1	0.0	7.8	
Std.Week No:18 (April 30 - May 6) No. of Days: 7															
Mean	16.5	13.0	82	31	5.0	..	..	8.2	3	1	25.8	4.4	

Note: Rainfall is in total

