

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: February
Year : 2019

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 Cm	5 Cm	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
1	26.6	14.4	16.6	26.4	15.8	20.8	3.3	20.8	31.6	21.0	30.0	21.8	28.0
2	27.0	14.8	17.8	27.0	16.6	20.6	3.4	20.6	31.4	21.6	30.8	22.0	28.6
3	27.8	15.6	18.6	27.8	17.4	20.2	3.3	20.8	31.0	21.4	28.0	22.2	27.6
4	28.2	15.4	17.2	28.0	16.8	21.0	3.3	21.8	30.8	22.8	28.0	23.6	27.4
5	29.0	17.6	19.0	28.0	18.0	20.4	3.8	21.0	31.6	22.0	28.8	23.4	27.4
6	29.0	16.6	19.2	28.8	18.0	21.0	3.5	21.0	31.8	22.0	30.0	22.8	28.0
7	30.0	16.4	19.4	28.0	18.2	20.8	3.5	21.4	32.8	22.0	31.0	23.0	28.8
8	30.0	18.2	21.0	28.8	19.8	21.0	3.7	21.4	32.4	22.2	30.8	23.6	29.6
9	31.8	19.0	21.4	29.0	20.0	20.6	3.6	21.6	31.8	22.4	30.0	23.0	28.8
10	31.2	18.8	21.6	27.8	20.2	20.8	3.6	20.8	30.0	21.6	28.6	22.0	27.0
11	29.0	19.4	19.6	27.0	19.0	20.2	3.5	20.0	28.8	21.0	27.0	21.8	26.8
12	27.2	16.0	17.8	26.8	16.6	20.4	3.4	20.2	27.8	20.8	27.0	21.4	26.6
13	27.8	15.6	17.0	28.0	16.0	20.8	3.8	20.8	29.8	21.0	28.8	21.8	27.6
14	29.0	16.6	20.0	28.8	18.8	21.0	4.0	21.0	32.0	22.0	30.0	23.0	28.6
15	30.2	17.8	21.0	29.0	19.8	21.2	4.1	21.6	31.0	22.8	29.0	23.4	28.8
16	31.0	18.0	21.2	29.2	19.8	21.2	3.8	21.4	33.0	22.0	31.8	22.8	30.0
17	31.8	19.6	21.0	29.8	19.6	21.4	3.9	21.8	33.8	22.4	31.8	23.0	29.8
18	32.4	16.8	21.4	29.0	19.8	21.0	3.8	22.0	31.6	22.4	29.8	23.8	29.0
19	32.6	19.2	21.2	29.2	19.6	21.2	4.3	21.4	31.0	22.2	30.0	23.0	29.4
20	32.0	19.5	22.0	29.0	19.0	21.0	4.3	22.4	31.2	24.0	29.8	25.2	29.4
21	32.6	20.0	21.6	29.2	19.8	21.4	4.5	23.0	32.0	23.6	30.8	24.4	30.0
22	31.6	16.4	21.8	29.0	20.2	21.2	4.2	23.6	33.0	24.8	31.0	25.6	29.6
23	31.8	15.0	18.8	30.8	17.0	21.0	4.2	22.4	34.6	23.4	33.0	23.8	29.8
24	32.8	15.0	20.8	31.8	17.6	21.2	4.4	23.0	33.8	24.8	31.8	25.0	30.0
25	33.0	14.8	22.2	32.6	21.0	21.2	4.2	23.4	37.4	24.8	34.8	25.0	33.0
26	34.0	17.8	20.8	32.0	18.8	21.8	4.3	22.8	37.6	24.0	35.0	25.2	33.0
27	34.0	19.4	21.6	31.4	20.2	21.2	4.6	23.0	36.6	24.6	34.4	25.6	32.8
28	33.2	19.2	20.8	31.8	18.8	21.0	4.1	22.6	34.0	23.6	33.0	25.0	32.2
Mean	30.6	17.2	20.1	29.1	18.7	21.0	3.9	21.7	32.3	22.6	30.5	23.4	29.2
Std.Week No: 6 (Feb 5 - Feb 11) No. of Days: 7													
Mean	30.0	18.0	20.2	28.2	19.0	20.7	3.6	21.0	31.3	21.9	29.5	22.8	28.1
Std.Week No:7 (Feb12 - Feb 18) No. of Days: 7													
Mean	29.9	17.2	19.9	28.7	18.6	21.0	3.8	21.3	31.3	21.9	29.7	22.7	28.6
Std.Week No: 8 (Feb 19 - Feb 25) No. of Days: 7													
Mean	32.3	17.1	21.2	30.2	19.2	21.2	4.3	22.7	33.3	23.9	31.6	24.6	30.2

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : February

Year : 2019

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	1400	0700	1400	0700	0700	1400		0700	0700			1400	0830	0830
	LMT	LMT	LMT	LMT	LMT	LMT	LMT		LMT	LMT			LMT	IST	IST
1	13.0	15.3	92	59	9.3	90	90	9.7	0	0	0.0	4.4			
2	13.5	14.7	88	55	9.7	90	90	9.0	0	0	0.0	4.8			
3	14.2	13.5	89	48	5.0	90	90	9.3	0	0	0.0	4.6			
4	14.1	14.8	96	52	4.8	90	90	9.9	0	0	0.0	4.2			
5	14.9	13.8	91	49	7.1	90	90	10.1	0	0	0.0	4.4			
6	14.8	14.3	89	48	7.9	90	90	6.9	0	0	0.0	4.6			
7	15.0	14.4	89	51	3.8	140	140	10.0	0	2	0.0	4.6			
8	16.7	14.3	89	48	9.5	140	140	5.8	0	2	0.0	4.8			
9	16.8	13.5	88	45	3.5	140	140	8.2	2	2	0.0	5.0			
10	17.0	14.5	88	52	6.8	140	90	5.5	2	3	11.2	3.8			
11	16.1	14.0	94	52	6.6	90	90	5.5	2	3	12.8	4.0			
12	13.5	14.4	88	55	8.7	140	140	7.9	2	2	0.0	4.2			
13	13.1	14.4	90	51	10.5	90	90	9.9	3	2	0.0	4.0			
14	15.6	14.3	89	48	11.5	140	140	10.6	0	0	0.0	5.4			
15	16.7	14.6	89	48	9.3	140	140	10.6	0	0	0.0	6.0			
16	16.5	14.4	88	48	5.0	140	90	9.8	0	0	0.0	5.8			
17	16.3	14.5	88	46	3.8	90	90	9.7	0	0	0.0	6.0			
18	16.4	14.2	86	47	4.4	90	90	10.2	0	0	0.0	6.2			
19	16.2	14.4	86	48	6.7	90	90	10.0	0	0	0.0	6.0			
20	14.8	14.2	75	47	6.9	90	140	9.2	0	0	0.0	6.6			
21	16.3	14.8	84	49	7.6	90	90	10.0	0	0	0.0	6.0			
22	16.9	14.6	86	48	10.3	90	90	10.2	0	0	0.0	6.2			
23	13.5	13.2	83	40	8.2	90	45	10.9	0	0	0.0	5.8			
24	13.3	13.0	72	37	8.7	45	45	10.9	0	0	0.0	6.4			
25	18.0	12.6	90	34	8.4	45	45	10.9	0	0	0.0	6.6			
26	15.2	13.9	82	39	5.0	225	225	11.0	0	0	0.0	6.8			
27	17.0	13.2	88	38	6.3	225	140	10.5	0	0	0.0	7.0			
28	15.2	12.7	82	36	3.9	140	140	9.9	0	0	0.0	6.4			
Mean	15.4	14.1	87	47	7.1	9.4	0	1	24.0	5.4			
Std.Week No: 6 (Feb 5 - Feb 11) No. of Days: 7															
Mean	15.9	14.1	89.6	49.3	6.5			7.4	0.9	1.7	24.0	4.5			
Std.Week No:7 (Feb12 - Feb 18) No. of Days: 7															
Mean	15.5	14.4	88.3	49.0	7.6			9.8	0.7	0.6	0.0	5.4			
Std.Week No: 8 (Feb 19 - Feb 25) No. of Days: 7															
Mean	15.6	13.8	82.3	43.2	8.1			10.3	0.0	0.0	0.0	6.2			