

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 : 2017

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		0830	0700	1400	0700	1400	0700
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	31.2	15.6	15.8	29.2	15.0	17.8	4.0	20.4	31.6	21.6	30.0	22.0	29.0
2	30.0	14.8	17.8	28.6	15.0	18.0	4.0	20.8	31.8	21.6	30.6	22.4	29.8
3	29.8	14.6	15.6	28.4	15.0	18.4	4.1	20.0	31.4	21.2	30.0	21.8	28.8
4	28.8	15.0	17.8	27.8	16.0	18.0	3.8	20.6	31.0	21.8	30.2	22.4	29.0
5	28.6	15.2	16.0	28.0	15.2	18.2	3.9	20.8	30.8	21.6	30.6	22.0	29.2
6	29.0	14.2	18.8	28.6	16.8	18.2	3.5	20.4	30.6	21.0	29.6	21.8	28.4
7	29.6	13.2	18.6	28.8	16.2	18.2	3.2	20.6	31.8	20.8	30.6	21.6	29.2
8	30.4	14.0	18.0	28.2	15.8	17.8	3.5	20.8	31.6	21.6	30.0	22.4	29.8
9	30.6	12.8	18.2	28.4	16.0	18.4	3.8	20.6	30.8	21.8	30.2	22.4	29.6
10	30.2	13.2	18.4	29.0	16.2	18.0	3.7	21.4	31.2	22.0	30.0	22.8	29.0
11	30.8	14.6	15.8	27.6	15.0	17.6	3.8	20.8	31.8	21.6	30.6	21.8	28.6
12	30.0	14.2	15.6	27.4	14.8	18.0	3.8	21.8	32.0	22.0	30.0	22.6	28.4
13	28.6	14.0	16.2	26.2	15.0	16.8	3.8	21.6	31.4	23.6	28.6	25.4	28.0
14	30.0	15.4	18.0	27.2	16.4	19.4	4.0	22.4	31.0	24.0	27.6	25.6	28.0
15	29.0	16.0	17.6	28.4	16.6	17.0	4.2	22.4	32.4	24.0	28.6	25.6	26.0
16	29.4	13.6	16.0	27.2	14.4	16.4	4.0	22.0	31.2	23.8	28.0	25.6	26.8
17	29.0	13.8	16.6	28.0	14.4	16.4	4.1	22.0	30.0	23.2	27.2	25.4	26.4
18	30.0	15.4	17.8	27.8	14.6	16.8	4.4	23.0	31.0	23.6	29.0	24.8	28.6
19	30.0	15.0	16.8	28.4	14.0	18.0	4.2	23.0	31.8	23.8	30.6	24.2	28.8
20	30.8	14.8	20.0	29.0	17.8	19.8	3.6	22.0	31.4	23.4	30.0	23.8	28.6
21	31.6	16.2	19.4	27.0	18.0	19.0	3.6	20.8	32.2	21.6	31.4	22.4	30.2
22	28.8	16.0	17.0	24.6	16.0	19.0	3.5	21.0	32.8	22.4	31.4	23.0	30.0
23	34.0	16.0	19.4	30.6	17.8	19.0	4.1	21.4	32.6	21.8	31.8	22.6	30.8
24	33.8	16.2	18.6	32.0	17.8	19.4	4.5	22.0	33.0	23.0	31.8	23.0	30.6
25	34.6	16.2	20.0	32.0	18.4	19.6	4.8	21.8	31.4	22.0	30.0	23.0	29.6
26	33.8	17.2	19.8	31.8	17.6	18.8	4.8	22.0	32.4	22.8	31.8	23.0	30.4
27	32.8	17.6	19.8	30.2	18.2	17.8	4.9	22.4	32.0	23.0	30.4	23.8	30.0
28	31.0	13.4	18.6	30.4	16.4	17.6	3.8	22.6	33.0	24.6	29.8	22.0	27.2
Mean	30.6	14.9	17.8	28.6	16.1	18.1	4.0	21.5	31.6	22.5	30.0	23.2	28.9
Std.Week No: 6 (Feb 5 - Feb 11) No. of Days: 7													
Mean	29.9	13.9	17.7	28.4	15.9	18.1	3.6	20.8	31.2	21.5	30.2	22.1	29.1
Std.Week No:7 (Feb12 - Feb 18) No. of Days: 7													
Mean	29.4	14.6	16.8	27.5	15.2	17.3	4.0	22.2	31.3	23.5	28.4	25.0	27.5
Std.Week No: 8 (Feb 19 - Feb 25) No. of Days: 7													
Mean	31.9	15.8	18.7	29.1	17.1	19.1	4.0	21.7	32.2	22.6	31.0	23.1	29.8

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : February

Year : 2017

Date	Humidity				Mean Wind			Bright	Cloud		Rainfall (mm)	Pan
	Vap. Pr.		Rel. Hum.		Speed	Direction		SSH	Amount	Evap. (mm)		
	(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	12.4	16.8	92	30	6.3	90	90	10.3	0	0	0.0	5.4
2	11.3	17.1	74	33	7.9	90	90	10.8	0	0	0.0	5.8
3	12.5	17.7	94	36	9.1	90	90	11.0	0	0	0.0	5.6
4	12.6	16.6	83	36	8.1	90	90	10.5	0	0	0.0	5.6
5	12.5	17.3	92	36	9.5	90	90	10.0	0	0	0.0	4.8
6	13.2	16.4	81	34	5.6	140	90	10.7	0	0	0.0	5.2
7	12.5	16.8	78	33	3.1	90	140	10.3	0	0	0.0	4.8
8	12.3	16.4	79	33	4.1	140	140	10.6	0	0	0.0	5.4
9	12.4	17.2	79	36	8.8	140	140	9.5	0	0	0.0	4.6
10	12.6	16.5	79	31	7.9	90	90	10.2	0	0	0.0	5.0
11	12.4	16.5	92	35	6.7	90	90	10.8	0	0	0.0	4.8
12	12.2	17.2	92	38	7.0	90	90	10.2	0	0	0.0	6.0
13	12.1	15.3	88	36	9.5	140	140	10.0	0	0	0.0	6.0
14	13.1	18.6	85	47	10.4	140	180	10.0	0	0	0.0	6.4
15	13.6	14.8	90	29	11.1	90	140	9.2	0	0	0.0	5.8
16	11.4	15.1	84	30	10.8	140	140	10.5	0	0	0.0	8.2
17	11.1	15.1	78	27	11.4	140	140	10.3	0	0	0.0	8.2
18	10.7	15.6	70	30	11.3	140	140	10.1	0	0	0.0	8.0
19	10.5	17.7	73	34	10.0	140	140	9.8	0	0	0.0	8.6
20	14.1	18.4	80	41	3.8	140	140	10.5	0	0	0.0	6.8
21	14.7	17.0	87	45	3.5	140	50	8.4	0	0	0.0	7.4
22	13.1	18.1	90	42	3.6	50	50	9.8	0	0	0.0	6.6
23	14.4	17.1	85	31	4.5	50	50	10.0	0	0	0.0	7.6
24	14.8	17.8	92	28	6.8	50	50	10.2	0	0	0.0	7.8
25	15.0	17.8	86	29	9.1	50	50	10.4	0	0	0.0	8.0
26	13.9	16.9	80	26	8.2	50	50	9.8	2	2	0.0	7.4
27	14.8	15.1	85	26	10.2	50	140	9.4	2	0	0.0	7.2
28	12.8	15.8	80	25	8.5	90	140	10.0	0	0	0.0	7.0
Mean	12.8	16.7	84	33	7.7	10.1	0	0	0.0	6.4
Std.Week No: 6 (Feb 5 - Feb 11) No. of Days: 7												
Mean	12.6	16.7	82.9	34.0	6.5			10.3	0.0	0.0	0.0	4.9
Std.Week No:7 (Feb12 - Feb 18) No. of Days: 7												
Mean	12.0	15.9	83.8	33.6	10.2			10.0	0.0	0.0	0.0	6.9
Std.Week No: 8 (Feb 19 - Feb 25) No. of Days: 7												
Mean	13.8	17.7	84.8	35.5	5.9			9.9	0.0	0.0	0.0	7.5