

AICRP on Agrometeorology
University of Agricultural Sciences, GKVK, Bangalore-560 065
Meteorological Observation at GKVK, Bangalore

PART- I

District: Bengaluru

Lat : 13° 05' N

Month: February

State : Karnataka

Long: 77° 34' E

Year : 2021

Alt.: 924 m (amsl)

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	27.8	15.0	19.0	27.2	17.8	20.6	4.2	22.0	31.8	22.4	30.0	23.0	28.6
2	28.0	14.6	19.0	26.6	17.6	20.8	4.3	22.0	32.0	22.4	31.0	23.0	29.4
3	26.8	16.6	19.6	26.8	17.4	20.4	3.8	22.0	31.8	22.8	30.2	23.4	29.8
4	27.2	14.0	17.8	26.6	15.8	20.6	4.2	21.8	31.4	22.4	30.0	23.0	28.8
5	28.0	14.2	18.6	28.0	17.4	20.8	4.4	21.6	32.0	22.6	30.4	23.0	29.0
6	28.8	14.6	19.0	27.8	17.8	20.6	4.5	21.8	32.2	22.8	30.8	23.4	29.2
7	28.4	13.0	18.0	27.6	16.6	20.8	4.6	21.6	32.6	22.4	31.0	23.6	29.4
8	28.2	10.8	17.4	28.0	15.6	20.6	4.8	21.8	31.8	22.4	28.8	23.4	27.6
9	28.6	11.0	19.0	26.6	17.6	20.4	4.9	21.6	29.8	22.4	28.0	23.0	26.6
10	27.0	10.6	18.4	28.2	17.6	20.6	4.6	21.8	28.4	22.0	27.6	23.0	27.0
11	29.2	12.0	18.8	26.6	17.2	20.4	4.9	20.0	28.6	21.4	27.8	22.4	26.8
12	27.2	11.8	19.0	28.0	17.8	20.6	4.6	20.2	28.8	21.6	27.8	22.0	27.0
13	28.6	13.4	17.8	28.0	17.0	20.4	4.7	20.0	29.4	21.8	28.0	22.0	27.2
14	28.8	17.4	18.2	28.0	16.8	20.8	4.3	21.0	29.0	22.0	27.6	23.4	27.0
15	29.6	13.8	19.0	28.8	17.6	21.0	4.9	21.4	31.8	22.0	30.0	23.2	29.2
16	31.6	16.0	20.0	28.6	18.8	20.8	5.2	21.6	31.6	22.4	30.4	23.4	29.0
17	30.0	15.8	19.8	29.0	17.8	20.6	4.8	21.4	31.8	22.8	30.6	23.4	29.4
18	30.2	15.8	20.2	28.2	18.8	20.6	4.9	21.8	31.4	22.8	30.0	23.0	28.8
19	28.6	16.6	20.2	26.8	19.0	20.4	4.5	21.6	30.0	22.0	28.8	23.4	27.8
20	27.4	16.2	18.2	25.4	17.0	20.2	4.2	20.6	29.6	21.0	28.0	22.0	27.0
21	25.6	15.6	18.4	26.0	17.0	20.2	3.9	20.0	26.0	21.0	25.8	22.0	25.0
22	26.0	16.6	19.0	26.8	18.0	20.8	3.9	20.0	27.6	21.4	26.0	22.0	25.8
23	27.0	16.4	20.0	27.8	18.8	21.0	4.1	20.4	28.0	21.4	27.4	22.4	26.6
24	29.0	16.2	20.2	28.8	18.8	21.0	4.7	20.8	29.8	21.6	28.0	22.6	27.0
25	30.0	15.6	20.4	26.0	19.0	20.4	5.0	20.6	30.8	21.8	29.0	22.0	28.0
26	29.4	15.0	20.4	26.4	19.2	20.6	4.9	20.8	31.8	21.8	30.6	23.0	29.6
27	32.0	15.0	21.2	30.4	18.4	20.8	5.6	21.0	32.0	22.0	30.2	23.6	29.0
28	31.6	16.0	19.8	29.6	17.8	21.0	5.4	21.6	31.6	20.5	30.2	23.8	28.8
Mean	28.6	14.6	19.2	27.6	17.7	20.6	4.6	21.2	30.5	22.0	29.1	22.9	28.0
Std. Week No: 6 (Feb 5 - Feb 11) No. of Days: 7													
Mean	28.3	12.3	18.5	27.5	17.1	20.6	4.7	21.5	30.8	22.3	29.2	23.1	27.9
Std. Week No:7 (Feb12 - Feb 18) No. of Days: 7													
Mean	29.4	14.9	19.1	28.4	17.8	20.7	4.8	21.1	30.5	22.2	29.2	22.9	28.2
Std. Week No: 8 (Feb 19 - Feb 25) No. of Days: 7													
Mean	27.7	16.2	19.5	26.8	18.2	20.6	4.3	20.6	28.8	21.5	27.6	22.3	26.7

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : February

Year : 2021

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)			
	Vap. Pr. (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	14.6	13.7	89	54	7.6	90	90	9.7	0	0	0.0	4.6			
2	14.3	14.3	87	58	9.0	140	45	9.8	0	2	0.0	4.8			
3	13.7	13.7	80	55	8.4	45	45	9.4	3	2	0.0	4.8			
4	12.4	14.5	81	57	8.4	45	90	7.9	0	0	0.0	4.4			
5	14.2	13.9	89	51	7.2	90	90	10.1	0	0	0.0	4.2			
6	14.6	13.4	89	51	6.7	90	90	10.3	0	0	0.0	4.4			
7	13.4	13.8	87	53	7.4	90	90	10.2	0	0	0.0	4.6			
8	12.3	14.1	83	50	7.8	90	90	10.4	0	0	0.0	4.8			
9	14.3	14.3	87	56	8.0	90	90	10.4	0	0	0.0	5.4			
10	14.7	13.8	92	49	5.3	45	45	9.8	0	0	0.0	5.6			
11	13.8	14.2	85	56	3.8	90	90	9.7	0	0	0.0	4.4			
12	14.6	14.8	89	50	7.0	90	45	9.6	0	0	0.0	5.2			
13	14.1	14.0	92	49	5.8	45	90	10.4	0	0	0.0	4.6			
14	13.6	13.4	87	51	4.1	90	45	9.5	0	0	0.0	4.4			
15	14.3	14.2	87	48	3.7	45	45	9.9	0	0	0.0	4.2			
16	15.6	14.1	89	48	5.5	45	45	9.5	0	0	0.0	5.6			
17	14.2	13.7	82	45	4.6	90	90	9.2	0	0	0.0	5.4			
18	15.5	14.1	87	49	7.9	90	90	8.1	0	2	0.0	5.4			
19	15.8	13.4	89	55	10.0	90	90	6.6	0	2	0.0	5.2			
20	13.9	14.1	88	61	9.0	90	90	3.9	4	2	23.4	3.0			
21	13.8	13.5	87	58	9.3	90	90	8.4	2	3	14.6	2.4			
22	14.9	14.1	91	57	9.1	90	90	3.7	3	0	2.0	2.6			
23	15.6	14.1	89	53	7.7	90	90	9.4	0	0	0.0	5.6			
24	15.5	15.0	87	48	6.1	90	90	10.2	0	0	0.0	5.4			
25	15.7	12.8	87	59	4.3	90	90	9.0	0	0	0.0	4.8			
26	16.0	14.6	89	58	3.8	140	45	9.8	0	0	0.0	6.2			
27	14.3	12.6	76	40	8.1	140	45	9.7	0	0	0.0	6.0			
28	14.2	13.8	82	45	10.0	90	45	6.6	0	0	0	6.6			
Mean	14.4	13.9	87	52	7.0	9.0	0	0	40.0	4.8			
Std. Week No: 6 (Feb 5 - Feb 11) No. of Days: 7															
Mean	13.9	14.4	87.2	52.1	6.6	-	-	10.1	0.0	0.0	0.0	4.8			
Std. Week No:7 (Feb12 - Feb 18) No. of Days: 7															
Mean	14.6	14.0	87.5	48.5	5.5	-	-	9.5	0.0	0.3	0.0	5.0			
Std. Week No: 8 (Feb 19 - Feb 25) No. of Days: 7															
Mean	15.0	14.7	88.4	55.9	7.9	-	-	7.3	1.3	1.0	40.0	4.1			