

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: May  
Year : 2021

Date	Air Temperature °C						PET (mm)	Soil Temperature °C						
	Max.	Min.	Dry	Dry	Wet	Wet		5 Cm	5 Cm	10Cm	10Cm	15Cm	15Cm	
	0700	700	0700	1400	0700	1400		0700	0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT		IST	LMT	LMT	LMT	LMT	LMT	LMT
1	33.6	18.5	22.4	32.8	20.2	20.8	6.1	22.0	37.2	23.4	35.6	24.2	34.2	
2	33.0	20.6	22.4	33.0	20.6	21.0	5.6	22.4	36.6	23.0	35.0	24.0	33.2	
3	33.2	19.0	23.0	31.2	21.2	20.8	5.9	23.0	37.0	23.6	35.4	24.4	33.8	
4	31.4	20.0	24.0	30.8	21.8	20.2	5.3	24.0	36.2	25.2	35.0	26.0	33.4	
5	30.8	22.0	25.0	31.4	22.2	20.8	4.7	25.0	37.0	25.2	35.4	26.0	33.2	
6	33.0	22.4	25.2	32.0	22.6	21.0	5.3	25.2	37.2	26.0	36.0	26.4	34.0	
7	32.8	21.4	26.0	31.6	22.2	20.8	5.5	26.0	37.0	26.2	35.8	27.0	34.0	
8	32.0	23.2	26.4	32.4	22.6	21.4	4.8	26.2	37.4	26.8	36.0	27.2	35.2	
9	33.0	22.2	26.8	33.2	23.4	21.6	5.4	26.8	37.2	27.0	36.0	27.2	34.8	
10	33.6	23.2	26.0	30.6	23.2	21.0	5.4	27.2	36.8	27.6	36.0	28.0	34.8	
11	31.4	22.2	25.6	31.8	22.4	21.4	4.9	27.4	36.0	27.8	35.8	28.2	34.8	
12	33.6	22.4	24.2	31.0	22.6	21.6	5.5	25.6	36.8	26.0	36.0	26.2	35.2	
13	31.4	19.5	25.0	31.2	22.2	21.8	5.4	26.0	37.2	26.4	36.4	27.0	36.0	
14	31.4	20.0	23.6	29.8	22.0	22.0	5.3	25.0	35.2	25.2	35.0	26.0	34.2	
15	31.2	20.6	23.0	26.2	21.4	21.2	5.1	23.8	34.0	24.6	33.0	25.2	32.8	
16	28.0	20.0	22.6	26.6	21.0	21.0	4.2	22.6	33.0	23.4	31.8	24.0	31.2	
17	27.0	19.8	22.4	29.0	20.8	21.4	4.0	22.4	35.6	23.0	33.8	24.0	31.0	
18	31.2	20.4	23.0	30.0	21.4	21.6	5.1	22.4	33.4	23.8	31.0	24.0	29.2	
19	31.6	20.6	23.2	31.0	21.4	21.8	5.2	22.0	35.6	23.8	33.0	24.4	31.8	
20	32.6	21.0	23.2	30.0	21.4	21.2	5.4	22.4	34.0	23.8	33.0	24.6	31.6	
21	31.0	20.4	22.6	28.0	20.8	21.2	5.1	21.6	36.2	22.4	34.8	23.0	33.6	
22	29.0	20.0	22.0	28.0	21.0	21.2	4.5	21.6	35.8	22.4	34.4	23.8	32.0	
23	28.8	20.2	22.6	29.4	20.8	21.2	4.4	22.4	36.0	23.8	33.8	24.6	31.8	
24	30.8	20.2	22.8	30.8	21.0	21.8	5.0	22.4	36.6	23.6	34.8	24.4	32.4	
25	31.6	21.0	23.0	29.8	21.4	21.4	5.1	23.8	35.0	24.6	33.0	24.8	31.2	
26	31.0	19.8	22.4	29.4	21.0	21.4	5.2	22.6	35.8	23.0	33.0	24.6	32.0	
27	30.8	19.6	22.6	30.2	20.8	21.6	5.1	21.8	36.8	22.8	34.8	24.0	33.0	
28	31.6	20.0	23.2	31.0	21.0	21.8	5.3	22.6	37.2	23.8	35.0	24.8	33.2	
29	32.0	20.2	23.2	30.6	21.0	21.6	5.4	23.6	37.0	24.8	35.6	26.0	34.4	
30	31.6	19.8	22.8	30.8	21.2	21.4	5.3	23.6	37.8	24.6	36.0	26.0	31.6	
31	32.0	19.8	22.8	30.4	21.0	21.6	5.5	23.4	37.6	25.4	36.2	26.6	35.0	
<b>Mean</b>	<b>31.5</b>	<b>20.6</b>	<b>23.6</b>	<b>30.5</b>	<b>21.5</b>	<b>21.3</b>	<b>5.2</b>	<b>23.8</b>	<b>36.2</b>	<b>24.6</b>	<b>34.7</b>	<b>25.4</b>	<b>33.2</b>	
<b>Weekly mean</b>														
<b>Std. Week No:19 ( May 7- May 13) No. of Days: 7</b>														
<b>Mean</b>	32.5	20.6	24.0	31.8	21.5	20.8	5.2	23.9	36.9	24.7	35.5	25.4	33.7	
<b>Std. Week No:20 ( May 14 - May 20) No. of Days: 7</b>														
<b>Mean</b>	32.3	21.8	25.4	31.4	22.6	21.5	4.9	26.3	36.7	26.7	35.9	27.1	35.0	
<b>Std. Week No: 21 ( May21 - May 27) No. of Days: 7</b>														
<b>Mean</b>	30.4	20.4	22.9	28.7	21.2	21.3	4.9	22.5	34.5	23.5	32.9	24.2	31.6	
<b>Std. Week No:22 ( May 28 - June 3) No. of Days: 7</b>														
<b>Mean</b>	30.5	20.1	22.7	29.8	21.0	21.5	4.9	22.5	36.2	23.4	34.1	24.4	32.2	

**PART II**

**Time of Observation:**  
**I---> 0700 Hours LMT = 0720 IST**  
**II---> 1400 Hours LMT = 1420 IST**

**Month: May**  
**Year : 2021**

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								
1	16.5	11.8	81	32	3.9	140	230	7.8	0.0	0.0	0.0	6.0			
2	17.2	12.0	85	32	6.3	230	140	8.2	0.0	0.0	0.0	6.6			
3	17.9	12.7	85	37	4.7	140	180	6.8	0.0	0.0	0.0	5.2			
4	18.4	11.9	82	36	3.4	230	140	6.2	0.0	2.0	0.0	5.8			
5	18.5	12.6	78	36	3.6	90	140	4.5	0.0	0.0	0.0	5.0			
6	19.1	12.6	80	35	6.1	230	140	6.5	2.0	0.0	0.0	5.6			
7	18.0	12.4	71	36	5.7	140	45	3.0	0.0	0.0	0.0	6.2			
8	18.5	13.0	71	36	6.0	230	140	4.9	0.0	0.0	0.0	6.4			
9	19.7	12.9	75	34	6.7	270	140	5.2	0.0	0.0	0.0	6.2			
10	19.8	13.3	78	40	4.6	230	45	4.3	2.0	2.0	0.0	6.4			
11	18.5	13.3	75	38	2.7	140	230	5.2	0.0	4.0	0.0	5.2			
12	19.7	14.1	87	42	3.2	270	230	5.3	6.0	4.0	0.0	4.8			
13	18.5	14.4	78	42	3.2	140	230	2.5	0.0	4.0	0.6	4.8			
14	18.9	15.5	87	49	4.3	230	230	7.5	0.0	0.0	15.8	5.0			
15	18.2	16.1	87	63	10.0	230	140	8.8	3.0	2.0	0.0	4.0			
16	17.8	15.5	86	60	10.6	230	230	1.8	2.0	3.0	0.0	4.4			
17	17.5	14.9	86	50	8.4	230	230	2.9	2.0	3.0	0.0	4.6			
18	18.2	14.7	87	46	7.6	230	230	10.1	0.0	0.0	0.0	5.2			
19	18.1	14.5	85	43	7.1	230	270	9.8	0.0	2.0	0.0	5.6			
20	18.1	14.0	85	44	7.0	270	230	8.5	2.0	3.0	0.0	5.8			
21	17.4	15.1	85	53	6.5	230	230	4.0	4.0	3.0	0.6	4.4			
22	18.1	15.1	91	53	5.4	230	230	2.6	4.0	2.0	2.4	4.6			
23	17.4	14.3	85	47	10.2	230	230	3.4	2.0	2.0	0.0	4.8			
24	17.7	14.6	85	44	1.9	270	270	6.4	2.0	3.0	0.0	4.6			
25	18.2	14.5	87	46	7.3	270	230	8.7	3.0	2.0	0.0	5.4			
26	17.9	14.7	88	48	8.5	230	270	8.0	2.0	3.0	0.0	4.4			
27	17.4	14.6	85	45	9.3	270	270	9.4	4.0	2.0	0.0	4.6			
28	17.4	14.5	82	43	8.5	270	270	10.8	0.0	0.0	0.0	5.2			
29	17.4	14.4	82	44	7.4	270	270	11.0	0.0	0.0	0.0	6.6			
30	18.0	13.9	86	42	9.5	270	230	10.9	0.0	2.0	0.0	6.8			
31	17.7	14.5	85	44	6.6	230	270	10.8	2.0	2.0	0.0	7.4			
<b>Mean</b>	<b>18.1</b>	<b>13.9</b>	<b>83</b>	<b>43</b>	<b>6.3</b>	<b>..</b>	<b>..</b>	<b>6.6</b>	<b>1</b>	<b>2</b>	<b>19.4</b>	<b>5.4</b>			
<b>Weekly mean</b>															
<b>Std. Week No:19 ( May 7- May 13) No. of Days: 7</b>															
<b>Mean</b>	17.9	13.4	80	35	4.8	..	..	6.1	0	0	0.0	5.8			
<b>Std. Week No:20 (May 14 - May 20) No. of Days: 7</b>															
<b>Mean</b>	19.1	15.0	79	40	4.4	..	..	5.0	1	2	2.3	5.5			
<b>Std. Week No: 21 ( May21 - May 27) No. of Days: 7</b>															
<b>Mean</b>	17.9	14.7	86	51	8.2	..	..	6.6	2	2	0.4	4.9			
<b>Std. Week No:22 ( May 28 - June 3) No. of Days: 7</b>															
<b>Mean</b>	17.7	14.5	86	47	7.3	..	..	7.0	3	2	0.0	4.8			