

**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: June  
 Year : 2019

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	33.4	19.0	22.8	31.8	20.4	21.4	4.0	23.0	37.8	23.8	36.6	24.0	36.0
2	33.0	19.6	22.8	30.8	20.4	21.6	4.0	23.0	38.8	23.6	37.6	23.8	36.6
3	31.2	20.0	23.6	29.0	21.4	21.6	3.6	22.4	37.0	23.0	36.6	24.0	36.2
4	30.0	17.5	23.6	30.8	22.4	21.4	2.9	24.6	37.8	25.2	36.6	26.0	36.0
5	31.2	20.4	23.4	30.8	20.4	21.4	4.0	22.8	37.2	23.2	36.2	24.4	35.4
6	31.6	20.6	23.4	30.4	20.8	21.2	3.9	21.6	35.4	22.4	34.6	23.8	34.0
7	31.6	18.6	23.4	27.6	21.0	21.2	3.6	21.0	36.0	22.4	35.0	23.4	34.0
8	29.8	19.6	23.0	29.0	21.4	21.4	3.3	22.0	37.8	23.6	36.0	24.0	35.4
9	31.0	20.4	23.4	30.6	21.2	21.8	3.7	22.8	38.8	23.8	36.6	24.6	36.0
10	32.4	19.8	23.0	28.8	21.4	21.8	4.3	23.4	38.0	24.8	37.6	25.0	36.0
11	30.0	19.6	23.2	28.0	21.6	21.6	4.0	23.8	37.8	24.8	36.8	25.0	35.8
12	29.0	19.8	23.0	27.0	21.4	21.4	4.0	23.0	37.0	24.4	36.0	25.0	35.0
13	28.4	18.8	22.0	28.0	21.0	21.4	3.7	22.4	36.8	23.8	36.0	24.8	35.6
14	29.8	20.0	22.8	29.0	21.0	21.4	3.4	22.4	36.8	23.6	36.0	24.8	35.0
15	30.8	19.4	22.4	30.6	21.2	21.6	4.2	22.8	37.8	23.6	36.6	24.8	36.0
16	31.8	19.6	22.0	31.4	20.8	21.8	4.6	23.6	38.8	24.8	37.0	25.4	36.0
17	32.0	20.0	23.0	29.0	21.4	21.6	4.5	24.2	38.4	25.0	37.0	26.6	36.8
18	30.6	20.2	23.0	30.8	21.6	21.4	4.2	24.4	37.0	25.6	36.6	26.8	36.0
19	31.8	19.4	22.8	31.0	21.2	21.6	3.9	23.0	36.6	24.0	34.6	24.4	34.0
20	32.0	20.0	23.2	29.6	21.4	21.6	4.5	23.2	35.4	23.8	34.4	24.2	34.4
21	30.6	19.0	21.8	28.0	20.8	21.6	4.4	22.4	35.6	23.6	35.0	24.4	34.2
22	29.0	19.6	23.0	28.2	21.4	21.6	3.2	22.0	36.6	23.0	35.4	24.4	35.0
23	29.2	20.0	22.8	28.0	21.2	21.6	3.5	22.2	35.8	23.4	35.0	25.0	35.8
24	28.0	18.8	22.8	28.0	21.2	21.8	3.2	21.6	36.6	22.0	35.8	23.4	35.0
25	29.8	19.0	23.0	29.0	21.4	21.6	3.7	22.0	35.4	23.6	34.0	24.0	33.6
26	30.2	18.8	22.4	27.6	21.0	21.8	4.1	23.4	35.0	24.0	34.0	24.6	33.2
27	28.0	19.0	23.2	29.4	21.4	21.8	3.0	22.8	35.4	23.8	34.0	24.8	33.6
28	30.6	19.6	22.8	30.0	21.4	21.6	4.3	22.6	36.0	23.4	35.4	24.4	34.6
29	31.0	18.2	23.0	29.8	21.4	21.2	4.2	22.8	36.2	23.6	35.0	24.6	34.0
30	30.0	19.4	22.8	29.0	21.2	21.2	4.0	23.0	36.2	23.8	35.0	24.6	34.0
<b>Mean</b>	<b>30.6</b>	<b>19.5</b>	<b>22.9</b>	<b>29.4</b>	<b>21.2</b>	<b>21.5</b>	<b>3.9</b>	<b>22.8</b>	<b>36.9</b>	<b>23.8</b>	<b>35.8</b>	<b>24.6</b>	<b>35.1</b>
<b>Weekly mean</b>													
<b>Std. Week No:23 ( June 4 - June 10) No. of Days: 7</b>													
<b>Mean</b>	<b>31.1</b>	<b>19.6</b>	<b>23.3</b>	<b>29.7</b>	<b>21.2</b>	<b>21.5</b>	<b>3.7</b>	<b>22.6</b>	<b>37.3</b>	<b>23.6</b>	<b>36.1</b>	<b>24.5</b>	<b>35.3</b>
<b>Std. Week No:24 ( June 11 - June 17) No. of Days: 7</b>													
<b>Mean</b>	<b>30.3</b>	<b>19.6</b>	<b>22.6</b>	<b>29.0</b>	<b>21.2</b>	<b>21.5</b>	<b>4.1</b>	<b>23.2</b>	<b>37.6</b>	<b>24.3</b>	<b>36.5</b>	<b>25.2</b>	<b>35.7</b>
<b>Std. Week No: 25 ( June 18 - June 24) No. of Days: 7</b>													
<b>Mean</b>	<b>30.2</b>	<b>19.6</b>	<b>22.8</b>	<b>29.1</b>	<b>21.3</b>	<b>21.6</b>	<b>3.8</b>	<b>22.7</b>	<b>36.2</b>	<b>23.6</b>	<b>35.3</b>	<b>24.7</b>	<b>34.9</b>
<b>Std. Week No:26 ( June 25 - July 01) No. of Days: 7</b>													
<b>Mean</b>	<b>29.9</b>	<b>19.0</b>	<b>22.9</b>	<b>29.1</b>	<b>21.3</b>	<b>21.5</b>	<b>3.9</b>	<b>22.8</b>	<b>35.7</b>	<b>23.7</b>	<b>34.6</b>	<b>24.5</b>	<b>33.8</b>

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month: June

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		
	LMT	LMT	LMT	LMT	LMT	LMT	LMT		LMT	LMT	LMT		
1	16.6	13.3	80	38	5.7	230	230	8.2	0.0	2.0	10.8	5.4	
2	16.6	14.2	80	43	6.0	270	230	8.7	2.0	2.0	0.0	5.6	
3	17.9	15.2	82	51	6.0	230	230	5.7	2.0	2.0	10.6	4.0	
4	19.6	13.9	90	42	7.0	230	230	2.1	0.0	0.0	0.0	3.8	
5	16.3	13.9	76	42	5.4	230	230	9.8	2.0	2.0	0.0	5.4	
6	17.0	13.8	79	42	5.4	230	230	8.2	0.0	2.0	33.4	4.4	
7	17.3	15.3	80	55	4.0	270	230	8.9	0.0	3.0	25.4	4.2	
8	18.2	14.9	87	50	6.3	270	230	3.9	8.0	2.0	0.0	4.6	
9	17.7	14.7	82	45	4.7	230	230	7.6	0.0	2.0	0.0	4.8	
10	18.2	15.7	87	53	7.0	230	230	10.6	2.0	3.0	0.0	6.0	
11	18.5	15.8	87	56	10.7	230	230	8.6	3.0	3.0	0.0	5.8	
12	18.2	16.0	87	60	12.2	270	270	7.8	4.0	3.0	0.0	6.0	
13	18.1	15.5	91	55	13.6	270	230	5.9	8.0	4.0	0.0	5.6	
14	17.7	14.9	85	50	9.8	230	230	0.8	6.0	3.0	0.0	4.2	
15	18.2	14.4	90	44	9.3	270	230	10.0	3.0	3.0	0.0	6.0	
16	17.8	14.3	90	41	9.4	230	270	11.4	3.0	3.0	0.0	6.6	
17	18.2	15.2	87	51	9.4	270	270	10.7	3.0	3.0	0.0	6.8	
18	18.6	13.9	88	42	8.5	270	270	9.0	2.0	2.0	0.0	7.0	
19	18.0	14.1	86	42	8.1	230	230	5.5	0.0	3.0	0.0	6.8	
20	18.1	14.9	85	48	10.4	230	230	9.0	4.0	2.0	0.0	6.6	
21	17.9	15.8	91	56	10.2	270	270	11.2	8.0	4.0	0.0	6.2	
22	18.2	15.7	87	55	9.4	270	270	1.6	6.0	2.0	0.0	5.8	
23	18.0	15.8	86	56	7.5	270	270	4.8	3.0	3.0	0.0	5.4	
24	18.0	16.1	86	57	7.5	270	230	4.3	3.0	3.0	7.8	4.6	
25	18.2	15.2	87	51	7.2	230	230	6.9	3.0	3.0	0.0	5.8	
26	17.9	16.4	88	59	8.7	230	230	9.5	6.0	3.0	0.0	4.8	
27	18.1	15.4	85	50	9.4	270	270	1.2	4.0	3.0	0.0	4.6	
28	18.3	14.7	88	46	11.0	270	270	7.0	3.0	3.0	1.2	4.8	
29	18.2	14.1	87	45	11.3	270	270	7.8	2.0	2.0	0.0	5.0	
30	18.0	14.6	86	48	11.6	270	270	6.5	2.0	2.0	0.0	5.4	
Mean	17.9	15.0	86	49	8.4	..	..	7.1	3.1	2.6	89.2	5.4	
<b>Weekly mean</b>													
<b>Std. Week No:23 (June 4 - June 10) No. of Days: 7</b>													
Mean	17.8	19.3	83	47	5.7	..	..	7.3	2	2	58.8	4.7	
<b>Std. Week No:24 (June 11 - June 17) No. of Days: 7</b>													
Mean	18.1	19.5	88	51	10.6	..	..	7.9	4	3	0.0	5.9	
<b>Std. Week No: 25 (June 18 - June 24) No. of Days: 7</b>													
Mean	18.1	19.5	87	51	8.8	..	..	6.5	4	3	7.8	6.1	
<b>Std. Week No:26 (June 25 - July 01) No. of Days: 7</b>													
Mean	18.1	19.4	87	50	9.9	..	..	6.5	3	3	1.2	5.1	

Note: Rainfall is in total