

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 : September

State : Karnataka

Long : 77° 34' E

Year : 2020

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		0830	0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT		IST	LMT	LMT	LMT	LMT	LMT	LMT
1	29.8	18.4	21.4	27.0	20.6	21.0	3.3	21.8	29.8	22.4	28.8	23.0	27.0	
2	27.8	18.4	21.8	25.0	20.8	21.0	2.4	21.0	36.6	22.0	34.8	23.4	34.0	
3	26.0	18.6	22.0	27.8	21.2	23.2	2.0	20.8	30.8	22.0	30.0	23.0	28.8	
4	28.4	18.8	22.0	28.0	21.0	21.4	3.0	21.0	29.8	22.0	29.0	22.8	27.6	
5	29.0	20.8	22.2	28.0	21.8	21.8	3.4	22.0	28.8	23.0	27.6	23.8	27.0	
6	28.4	20.8	22.0	28.0	21.0	21.0	2.9	22.0	28.6	22.8	27.8	23.6	27.4	
7	29.8	19.2	22.0	27.8	20.8	21.2	3.6	21.8	28.8	22.6	27.8	23.8	27.6	
8	29.0	19.0	22.0	27.8	20.6	21.4	3.5	21.6	29.0	22.0	28.0	23.4	27.8	
9	29.0	18.4	21.6	28.0	20.8	21.2	3.3	21.0	27.6	21.8	26.0	22.4	26.0	
10	28.8	18.2	20.8	27.0	20.2	20.8	3.1	21.2	28.0	22.0	27.0	22.6	26.2	
11	27.6	18.6	20.8	25.6	20.0	20.6	3.2	22.4	26.6	23.8	26.0	24.0	26.0	
12	25.8	18.8	20.8	26.0	20.2	20.8	2.6	21.6	26.4	22.0	26.0	22.8	25.0	
13	26.8	18.4	21.0	24.8	20.4	20.6	2.5	21.0	26.0	21.4	25.8	22.0	24.8	
14	25.0	17.4	20.4	25.4	20.0	20.4	2.3	21.0	26.2	21.2	25.6	21.8	25.4	
15	25.6	17.8	20.8	26.0	20.2	20.8	2.5	21.4	27.0	22.0	26.6	22.4	26.0	
16	26.6	18.0	21.0	26.6	20.2	21.0	2.7	21.6	27.0	22.0	26.8	23.6	26.6	
17	26.8	18.2	21.4	26.8	20.8	21.2	2.8	21.8	27.4	22.0	26.8	23.6	26.4	
18	27.4	18.8	22.4	27.6	21.0	21.4	3.1	22.0	29.0	23.0	27.4	23.8	26.8	
19	28.0	19.0	21.4	26.0	20.4	21.0	3.4	22.0	27.0	23.4	26.6	23.8	26.2	
20	26.0	18.6	21.4	26.6	20.8	21.4	2.6	21.6	27.0	22.0	26.0	23.0	26.0	
21	27.0	18.8	21.8	26.0	20.8	20.4	2.8	21.4	26.6	22.0	26.0	23.4	26.0	
22	26.6	19.2	21.2	25.4	20.8	20.8	3.1	21.6	26.0	22.6	25.8	23.8	25.4	
23	25.8	18.2	20.2	26.6	19.8	21.4	2.9	21.4	27.8	22.4	26.6	23.0	26.0	
24	27.6	17.8	21.8	26.4	20.8	20.4	3.5	21.6	27.8	22.4	26.8	23.8	26.6	
25	26.8	18.0	21.6	26.2	20.8	20.2	2.9	22.4	27.6	23.6	26.6	24.0	26.4	
26	29.0	17.8	20.0	25.4	19.6	21.2	3.6	21.0	28.6	21.8	27.0	22.0	26.0	
27	25.4	18.0	20.0	26.0	19.8	21.6	2.2	20.8	28.8	22.0	27.4	23.4	27.0	
28	26.8	19.0	21.8	27.8	21.0	21.8	2.9	21.8	29.6	22.4	28.0	23.6	27.4	
29	28.0	19.6	22.4	26.4	21.0	20.8	3.3	22.0	28.0	23.6	27.6	24.0	26.6	
30	26.8	19.4	20.8	26.2	20.0	20.8	2.8	21.0	27.6	22.0	27.0	23.0	26.8	
Mean	27.4	18.7	21.4	26.6	20.6	21.1	2.9	21.5	28.2	22.3	27.3	23.2	26.8	
Weekly Mean														
Std. Week No:36 (Sept. 3 - Sept. 9) No. of Days : 7														
Mean	28.5	19.4	22.0	27.9	21.0	21.6	4.4	21.5	29.1	22.3	28.0	23.3	27.5	
Std. Week No:37 (Sept.10 - Sept.16) No. of Days: 7														
Mean	26.6	18.2	20.8	25.9	20.2	20.7	4.0	21.5	26.7	22.1	26.3	22.7	25.7	
Std. Week No:38 (Sept .17 - Sept. 23) No. of Days: 7														
Mean	26.8	18.7	21.4	26.4	20.6	21.1	3.9	21.7	27.3	22.5	26.5	23.5	26.1	
Std. Week No:39 (Sept. 24 - Sept.30) No. of Days: 7														
Mean	27.2	18.5	21.2	26.3	20.4	21.0	4.0	21.5	28.3	22.5	27.2	23.4	26.7	

PART II

Time of Observation:

I--> 0700 Hours LMT = 0720 IST

II--> 1400 Hours LMT = 1420 IST

Month : September

Year : 2020

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		1400			
	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	17.8	15.3	93	57	4.8	225	225	6.0	6.0	6.0	7.2	3.2
2	17.9	16.4	91	69	4.4	320	320	0.2	8.0	6.0	9.6	3.4
3	18.4	18.8	93	67	2.5	320	140	0.5	3.0	3.0	34.6	3.0
4	18.1	15.5	91	55	2.3	140	140	6.3	4.0	3.0	19.4	3.4
5	19.4	16.1	96	57	4.1	140	140	7.1	3.0	3.0	0.0	3.8
6	18.1	14.8	91	52	2.9	140	140	2.1	3.0	3.0	0.0	4.0
7	17.8	15.2	90	54	5.4	140	140	7.7	2.0	3.0	0.0	4.2
8	17.4	15.6	88	56	5.3	270	270	8.6	4.0	3.0	2.2	3.4
9	18.0	15.1	93	53	3.7	45	45	7.8	4.0	4.0	93.6	1.4
10	17.4	15.0	95	56	5.8	225	225	4.5	6.0	4.0	6.2	3.8
11	17.1	15.4	93	63	8.7	225	225	4.3	8.0	4.0	0.0	3.6
12	17.4	15.5	95	62	9.6	225	225	0.3	6.0	3.0	0.0	2.0
13	17.6	15.9	95	68	7.9	225	225	0.0	6.0	4.0	2.8	2.2
14	17.3	15.2	96	63	7.7	225	225	0.0	6.0	4.0	1.2	1.8
15	17.4	15.5	95	62	6.5	225	225	1.5	6.0	3.0	0.0	2.0
16	17.3	15.5	93	60	7.6	225	225	2.0	3.0	3.0	0.0	3.2
17	18.1	15.8	95	60	7.5	225	225	3.2	8.0	4.0	0.0	3.4
18	17.9	15.7	88	57	7.5	225	270	4.6	6.0	4.0	0.0	3.8
19	17.4	15.9	91	63	8.9	270	225	5.1	6.0	4.0	0.0	3.8
20	18.1	16.2	95	62	9.4	225	225	1.3	8.0	6.0	0.8	2.6
21	17.9	14.9	91	59	9.4	225	225	0.0	6.0	4.0	6.6	2.4
22	18.2	15.9	96	65	10.9	225	225	3.2	4.0	6.0	0.6	2.6
23	17.1	16.2	96	62	8.8	225	225	3.6	2.0	3.0	0.0	3.4
24	17.9	14.7	91	57	7.1	225	225	7.8	3.0	3.0	0.0	3.8
25	18.0	14.4	93	57	4.0	270	270	4.2	2.0	3.0	0.0	4.0
26	16.9	16.6	96	68	5.6	270	225	8.5	8.0	3.0	6.2	3.0
27	17.2	16.9	98	67	4.6	270	270	0.0	4.0	3.0	0.0	2.8
28	18.2	16.3	93	58	10.6	270	225	2.0	2.0	3.0	0.0	3.0
29	17.9	15.3	88	59	4.1	270	270	5.7	8.0	6.0	0.0	3.8
30	17.1	15.4	93	61	3.1	320	270	2.5	6.0	3.0	41.0	3.0
Mean	17.7	15.7	93	60	6.4	..	..	3.7	5	4	232.0	3.1
Weekly Mean												
Std. Week No:36 (Sept. 3 - Sept. 9) No. of Days : 7												
Mean	18.2	15.9	92	56	3.7	..	..	5.7	3	3	149.8	3.3
Std. Week No:37 (Sept.10 - Sept.16) No. of Days: 7												
Mean	17.4	15.4	94	62	7.7	..	..	1.8	6	4	10.2	2.7
Std. Week No:38 (Sept.17 - Sept. 23) No. of Days: 7												
Mean	17.8	15.8	93	61	8.9	..	..	3.0	4	1	22.0	3.1
Std. Week No:39 (Sept. 24 - Sept.30) No. of Days: 7												
Mean	17.6	15.7	93	61	5.6	..	..	4.4	5	3	47.2	3.3

Note: Rainfall is in Total