

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 : August

State : Karnataka

Long : 77° 34' E

Year : 2020

Date	Air Temperature °C						PET (mm)	Soil Temperature °C						
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5 cm	10 cm	10 cm	15 cm	15 cm	
	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	29.0	18.8	21.0	27.6	20.2	21.6	4.7	21.6	30.8	22.6	28.8	23.0	27.0	
2	28.0	19.0	22.4	27.8	21.6	21.4	4.4	21.8	29.0	22.0	28.0	23.0	27.0	
3	28.8	18.8	21.2	26.2	20.6	21.6	4.7	21.4	29.2	22.0	28.4	23.0	27.8	
4	26.2	18.2	22.0	24.8	21.2	21.0	4.0	21.6	28.0	22.4	26.6	23.4	26.0	
5	25.0	18.4	20.8	25.0	20.0	20.4	3.6	21.0	27.6	22.0	26.6	22.4	26.0	
6	25.8	19.0	22.4	26.8	21.6	21.0	3.7	21.6	27.6	22.8	26.8	23.8	26.0	
7	27.8	19.0	22.0	27.0	21.2	20.8	4.4	21.8	27.0	22.4	26.6	23.6	26.4	
8	27.2	19.4	21.0	26.6	20.2	20.4	4.1	21.6	26.6	22.0	26.0	23.4	25.8	
9	27.0	18.8	20.0	25.8	19.8	20.4	4.2	21.0	26.8	22.0	26.4	23.0	26.0	
10	26.0	18.0	19.8	24.6	19.6	21.0	4.0	21.2	26.8	22.0	26.0	23.0	26.0	
11	24.8	18.4	21.6	27.4	20.8	21.2	3.6	20.8	27.0	21.6	26.6	21.8	26.2	
12	27.8	18.2	20.8	26.2	20.0	20.8	4.5	20.6	26.8	21.0	26.6	21.8	26.0	
13	26.6	18.6	21.4	27.0	20.8	21.0	4.1	21.0	26.6	22.0	26.0	22.4	26.0	
14	27.6	18.2	20.2	26.8	20.0	20.8	4.4	21.6	26.8	22.0	26.4	23.8	26.0	
15	27.4	18.6	20.4	25.0	20.0	20.6	4.3	21.4	26.6	22.6	26.0	22.8	26.0	
16	25.2	18.8	21.6	23.0	20.4	20.6	3.6	21.6	27.0	22.0	26.0	22.8	25.8	
17	23.0	18.2	20.2	25.8	19.8	21.2	3.0	21.0	26.6	22.0	26.0	23.0	25.8	
18	26.2	18.2	21.8	26.0	21.0	20.8	4.0	21.0	26.8	21.8	26.2	22.4	26.0	
19	26.2	17.8	20.8	26.4	20.2	20.4	4.1	21.2	26.6	22.0	26.0	23.0	25.8	
20	26.8	19.0	21.0	25.4	20.2	20.0	4.0	21.4	26.6	22.0	25.0	22.8	24.6	
21	25.8	18.0	21.0	26.2	20.2	20.8	3.9	21.6	26.6	22.0	26.0	23.4	25.8	
22	26.8	19.2	22.0	28.0	21.2	21.4	4.0	21.6	27.8	22.4	26.6	23.8	26.0	
23	29.0	19.6	22.4	27.0	21.2	21.6	4.6	21.8	27.0	22.8	26.4	24.0	26.2	
24	27.8	19.0	21.8	26.8	20.8	21.2	4.3	21.6	27.2	22.4	27.0	23.4	26.6	
25	27.8	18.8	22.0	28.8	20.8	21.0	4.4	22.8	27.8	23.0	26.8	24.0	26.4	
26	29.6	18.6	22.4	28.0	21.8	21.2	4.9	22.0	27.8	22.4	26.6	23.8	26.0	
27	29.8	19.4	20.8	27.8	20.0	21.2	4.8	22.0	28.0	23.0	26.8	24.0	26.6	
28	28.6	18.8	21.2	28.8	20.6	21.8	4.6	21.8	28.8	22.4	27.6	23.6	27.0	
29	29.6	19.4	22.6	28.6	21.4	21.0	4.8	22.0	29.0	23.6	27.8	24.8	27.2	
30	30.4	19.8	22.0	29.0	20.8	21.0	4.9	22.0	30.0	22.8	28.8	23.8	27.4	
31	30.2	18.6	21.8	28.0	20.8	21.2	5.1	22.0	30.0	23.0	29.0	23.8	27.6	
Mean	27.3	18.7	21.4	26.7	20.6	21.0	4.2	21.5	27.6	22.3	26.8	23.2	26.3	
Std. Week No: 32 (August 6- August 12) No. of Days: 7														
Mean	26.6	18.7	21.1	26.3	20.5	20.8	4.1	21.2	26.9	22.0	26.4	22.9	26.1	
Std. Week No: 33 (August 13 -August 19) No. of Days: 7														
Mean	26.0	18.3	20.9	25.7	20.3	20.8	3.9	21.3	26.7	22.1	26.1	22.9	25.9	
Std. Week No: 34 (August 20 - August 26) No. of Days: 7														
Mean	27.7	18.9	21.8	27.2	20.9	21.0	4.3	21.8	27.3	22.4	26.3	23.6	25.9	
Std. Week No:35 (August 27 - Sept. 02) No. of Days: 7														
Mean	29.7	19.2	21.7	28.4	20.7	21.2	4.5	22.0	29.2	23.0	28.0	24.0	27.2	

PART- II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : August

Year : 2020

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 LMT	1400 LMT	0700 LMT	1400 LMT	0700 LMT	0700 LMT	1400 LMT	0700 LMT	0700 LMT	1400 LMT	0830 IST	0830 IST
1	17.3	16.0	93	58	6.8	230	230	6.5	8	3	0.0	3.0
2	18.9	15.6	93	56	9.3	270	230	7.0	4	6	1.6	3.8
3	17.9	16.8	95	66	9.6	230	230	6.4	8	4	10.0	2.0
4	18.4	16.5	93	70	10.8	230	230	1.2	6	4	0.0	2.8
5	17.1	15.4	93	65	12.4	270	270	0.4	8	6	1.6	1.8
6	18.9	15.4	93	58	11.4	230	230	1.7	6	4	0.0	2.6
7	18.4	15.0	93	56	10.2	230	230	4.7	8	3	0.0	2.4
8	17.3	14.5	93	56	10.1	230	230	1.6	8	4	0.0	3.0
9	17.2	15.0	98	60	7.5	230	230	1.3	6	6	6.4	2.0
10	17.0	16.7	98	72	8.5	230	230	0.6	8	6	5.2	2.2
11	18.0	15.4	93	56	8.3	230	230	0.0	8	6	0.0	1.8
12	17.1	15.4	93	61	7.6	230	230	5.7	6	4	12.2	2.0
13	18.1	15.3	95	57	7.8	270	230	0.8	6	6	2.8	2.8
14	17.4	15.1	98	57	8.8	270	230	5.2	8	6	0.0	2.4
15	17.3	15.8	96	66	8.0	230	230	0.3	8	6	0.0	2.2
16	17.3	16.9	89	80	8.3	230	230	0.0	8	6	0.0	2.6
17	17.1	16.3	96	66	7.3	230	230	0.0	6	6	0.0	2.4
18	18.2	15.5	93	62	7.2	230	230	2.8	6	6	10.2	2.0
19	17.4	14.7	95	57	7.1	230	230	2.9	6	6	1.2	2.2
20	17.3	14.5	93	60	6.3	230	230	0.9	8	6	0.0	2.0
21	17.3	15.4	93	61	5.5	230	230	0.0	6	4	4.2	2.2
24	18.4	15.5	93	55	6.3	230	230	3.4	4	4	0.0	2.2
23	18.2	16.4	90	61	4.6	230	230	6.9	4	4	0.0	2.8
24	17.9	15.8	91	60	4.1	230	230	0.0	6	3	1.0	2.0
25	17.8	14.3	90	48	4.0	270	270	2.8	2	3	0.0	3.8
26	19.3	15.1	95	53	3.7	270	230	6.3	6	4	0.0	4.0
27	17.1	15.2	93	54	3.8	230	230	5.6	8	3	0.0	4.2
28	17.9	15.7	95	53	2.2	270	230	6.8	0	2	0.0	4.2
29	18.4	14.4	90	49	5.6	230	230	10.2	0	3	0.0	5.0
30	17.8	14.2	90	47	8.4	230	230	9.8	3	3	0.0	4.8
31	17.9	15.1	91	53	1.7	315	230	10.3	3	3	10.0	3.4
Mean	17.8	15.5	93	59	7.2	3.6	6	5	66.4	2.8
Std. Week No: 32 (August 6 - August 12) No. of Days: 7												
Mean	17.7	15.4	94	60	9.1	2.2	7.1	4.7	23.8	2.3
Std. Week No: 33 (August 13 - August 19) No. of Days: 7												
Mean	17.6	15.7	95	64	7.8	1.7	6.9	6.0	14.2	2.4
Std. Week No: 34 (August 20 - August 26) No. of Days: 7												
Mean	18.0	15.3	92	57	4.9	2.9	5.1	4.0	5.2	2.7
Std. Week No: 35 (August 27 - Sept.02) No. of Days: 7												
Mean	17.8	15.1	92	51	4.3	8.5	2.8	2.8	10.0	4.3

Note: Rainfall is in total