

AICRP on Agrometeorology
Meteorological Observation at GKVK, UAS (B), Bangalore
PART- I

District : Bengaluru
 State : Karnataka

Lat : 13° 05' N
 Long : 77° 34' E
 Alt : 924 m (amsl)

Month: October
 Year : 2021

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	27.2	19.6	21.6	27.8	20.8	21.2	3.8	20.8	27.0	21.6	26.2	22.4	25.6
2	28.6	22.0	22.0	28.2	21.2	21.6	3.7	21.0	29.0	21.8	27.0	22.4	26.4
3	30.0	19.4	22.0	28.0	20.8	21.4	4.6	20.8	27.6	23.2	26.0	22.6	25.4
4	29.8	18.0	21.8	28.2	20.8	21.2	4.7	21.4	27.8	22.4	26.4	23.0	25.6
5	29.0	19.8	22.0	27.0	20.2	21.2	4.2	21.6	28.8	22.6	27.0	23.0	26.0
6	29.6	18.0	20.0	27.2	19.2	21.0	4.7	20.4	28.0	21.6	26.0	22.0	25.8
7	28.0	19.6	22.0	28.0	20.8	22.0	4.0	20.8	30.0	21.6	29.2	22.4	28.2
8	30.0	20.0	21.8	26.6	20.0	21.4	4.4	20.8	26.8	21.4	26.6	22.4	25.0
9	27.0	19.2	22.0	24.0	21.0	21.2	3.7	20.2	26.0	21.0	25.8	21.8	25.2
10	24.2	19.0	21.6	26.0	20.2	21.2	2.9	20.8	25.8	21.0	24.8	22.8	23.2
11	26.4	19.2	22.0	26.0	20.8	21.4	3.5	20.0	25.8	21.0	25.6	22.0	25.6
12	27.0	18.4	21.4	26.4	20.6	21.6	3.9	21.4	25.4	22.0	24.8	22.4	24.4
13	27.0	19.0	21.6	26.2	20.8	21.2	3.7	21.6	26.6	22.0	26.0	22.6	25.4
14	27.0	18.4	21.2	27.4	20.4	21.2	3.8	21.6	27.0	22.0	26.6	22.6	26.0
15	28.2	19.0	22.0	26.8	21.2	21.4	4.0	21.0	26.0	22.0	25.4	23.0	25.0
16	27.8	20.0	22.4	28.2	21.0	21.4	3.7	22.0	27.4	22.8	26.4	23.6	25.2
17	29.2	18.6	21.2	28.0	20.6	21.6	4.3	21.8	27.4	22.4	26.0	23.0	25.8
18	29.0	18.8	22.0	27.8	21.2	21.4	4.2	22.0	28.0	22.6	27.0	23.8	26.6
19	28.4	18.8	22.0	28.0	20.0	21.8	4.1	21.0	27.8	22.0	27.0	22.8	26.6
20	29.4	18.2	22.0	27.8	20.8	21.6	4.4	21.0	28.0	22.4	26.6	23.4	26.0
21	28.6	18.2	22.4	28.0	21.2	21.4	4.2	21.8	29.0	22.6	27.6	23.6	26.6
22	29.0	17.8	22.2	28.2	21.0	21.6	4.3	21.8	29.4	22.8	28.0	23.0	26.8
23	29.0	18.4	22.4	28.6	21.2	21.6	4.2	21.4	29.8	22.0	28.8	23.4	27.0
24	29.2	18.4	22.0	28.0	21.0	21.4	4.3	22.0	28.2	22.6	28.0	23.0	26.6
25	29.6	18.2	22.0	27.0	20.8	21.6	4.4	21.0	28.8	22.8	27.8	23.4	26.8
26	27.6	18.6	22.4	26.4	21.2	21.4	3.8	21.8	29.4	22.4	28.8	23.6	27.6
27	26.6	17.0	22.2	26.0	21.2	21.0	3.8	22.0	29.6	23.0	28.6	23.8	28.0
28	26.2	16.0	21.4	27.6	20.8	21.2	3.8	21.8	29.0	22.4	28.8	23.6	27.4
29	28.0	17.0	21.0	26.0	20.0	21.4	4.1	22.2	27.8	23.0	26.8	24.2	26.0
30	26.0	19.0	21.6	26.8	20.8	21.6	3.3	21.6	27.6	22.0	27.0	23.0	26.4
31	27.2	17.8	20.0	27.2	18.8	21.6	3.8	21.4	27.6	22.2	26.6	23.4	26.4
Mean	28.1	18.7	21.7	27.2	20.7	21.4		21.3	27.8	22.2	26.9	23.0	26.1
Weekly mean													
Std.Week No: 40 (October 1- October 7) No. of Days: 7													
Mean	28.9	19.5	21.6	27.8	20.5	21.4	4.2	21.0	28.3	22.1	26.8	22.5	26.1
Std.Week No: 41 (October 8-October 14) No. of Days: 7													
Mean	26.9	19.0	21.7	26.1	20.5	21.3	3.7	20.9	26.2	21.5	25.7	22.4	25.0
Std.Week No: 42 (October 15 - October 21) No. of Days: 7													
Mean	28.7	18.8	22.0	27.8	20.9	21.5	4.1	21.5	27.7	22.4	26.6	23.3	26.0
Std.Week No:43 (October 22 - October 28) No. of Days: 7													
Mean	28.2	17.8	22.1	27.4	21.0	21.4	4.1	21.7	29.2	22.5	28.4	23.4	27.2

PART- II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : October

Year : 2021

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)			Rainfall (mm)	Pan Evap. (mm)
	Vap. Pr. (mm) Hg.		Rel. Hum. %		Speed (Km/hr)	Direction			Cloud Amount (Octas)				
	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	18.0	15.2	93	54	5.8	315	45	1.4	3.0	3.0	2.2	2.4	
2	18.4	15.7	93	55	2.3	270	45	7.0	3.0	3.0	0.0	3.2	
3	17.8	15.5	90	55	2.9	45	45	6.5	3.0	2.0	9.6	2.6	
4	17.9	15.0	91	52	3.1	45	45	4.5	3.0	3.0	0.0	2.8	
5	16.8	15.7	85	59	3.4	45	45	7.5	3.0	4.0	0.0	3.2	
6	16.2	15.2	93	56	4.3	45	45	3.6	8.0	4.0	34.0	3.2	
7	17.8	16.5	90	58	2.9	315	230	5.0	3.0	0.0	13.8	2.4	
8	16.5	16.2	84	62	3.2	230	270	7.3	8.0	6.0	3.6	3.0	
9	18.1	17.3	91	77	3.6	230	270	1.6	8.0	6.0	14.4	2.3	
10	17.0	16.2	88	64	2.1	270	270	0.0	6.0	4.0	17.0	2.4	
11	17.8	16.6	90	66	3.4	270	270	6.4	6.0	6.0	7.4	2.6	
12	17.8	16.7	93	65	3.7	270	270	4.4	4.0	4.0	47.0	2.8	
13	18.0	16.1	93	63	3.8	270	230	4.0	6.0	4.0	4.8	2.4	
14	17.5	15.4	93	56	3.7	230	230	4.6	6.0	3.0	9.8	2.6	
15	18.4	16.1	93	61	1.4	230	230	4.1	6.0	4.0	5.6	2.2	
16	17.9	15.3	88	54	1.5	90	90	0.2	6.0	6.0	3.0	2.8	
17	17.9	15.8	95	56	2.4	230	230	0.0	6.0	6.0	2.6	3.0	
18	18.4	15.6	93	56	4.0	230	230	0.0	4.0	4.0	0.0	2.6	
19	16.4	16.1	83	57	4.2	230	230	2.5	4.0	3.0	20.4	2.6	
20	17.8	15.9	90	57	3.0	230	230	0.6	6.0	3.0	0.0	3.0	
21	18.2	15.5	90	55	3.4	230	45	3.8	0.0	3.0	0.0	3.4	
22	18.0	15.7	90	55	3.7	45	45	8.1	2.0	3.0	3.4	3.8	
23	18.2	15.5	90	53	3.0	90	90	8.3	4.0	3.0	1.6	3.6	
24	18.1	15.5	91	55	2.8	90	45	5.8	3.0	3.0	27.8	4.0	
25	17.8	16.4	90	61	3.8	45	45	9.2	3.0	3.0	0.0	3.8	
26	18.2	16.3	90	63	4.1	45	45	2.6	3.0	3.0	0.0	4.0	
27	18.3	15.9	91	63	3.8	45	45	5.5	2.0	2.0	0.0	4.2	
28	18.1	15.3	95	55	3.7	45	45	4.7	2.0	3.0	0.0	4.0	
29	17.0	16.6	91	66	5.4	45	45	4.6	3.0	6.0	0.0	4.0	
30	18.0	16.5	93	62	5.5	45	45	0.8	8.0	4.0	2.0	3.0	
31	15.6	16.2	89	60	5.1	45	45	4.4	4.0	3.0	1.6	2.8	
Mean	17.7	15.9	90	59	3.5	..	..	4.2	4.0	4.0	231.6	3.1
Weekly mean													
Std.Week No: 40 (October 1- October 7) No. of Days: 7													
Mean	17.5	15.5	90	56	3.5	...	...	5.1	4	3	59.6	2.8
Std.Week No: 41 (October 8-October 14) No. of Days: 7													
Mean	17.5	16.4	90	65	3.1	...	...	4.0	6	5	104.0	2.6
Std.Week No: 42 (October 15 - October 21) No. of Days: 7													
Mean	17.9	15.8	90	56	3.2	...	...	1.6	5	4	31.6	3.3
Std.Week No:43 (October 22 - October 28) No. of Days: 7													
Mean	18.1	15.8	91	58	3.8	...	...	6.3	3	3	32.8	3.8