

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 : 2019

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	28.8	18.4	22.0	28.8	20.8	21.4	3.4	21.6	28.6	22.4	27.0	23.8	26.8	
2	29.8	17.4	21.8	28.2	21.0	21.6	3.1	21.4	29.8	22.0	28.6	23.0	28.0	
3	29.2	17.6	22.4	28.0	21.4	21.4	3.2	21.4	28.8	22.4	27.8	23.0	27.0	
4	28.8	17.4	22.0	27.8	21.2	21.0	3.0	21.6	28.2	22.4	27.6	23.0	27.2	
5	29.4	19.8	21.0	28.4	20.0	21.8	3.4	22.6	28.0	23.2	27.6	24.0	27.0	
6	29.0	18.8	21.8	28.6	20.6	21.4	2.8	22.4	29.4	23.6	27.8	24.2	27.2	
7	29.2	19.0	22.0	28.4	21.4	21.6	2.8	22.6	29.0	23.4	28.2	23.8	27.0	
8	29.4	18.8	22.2	28.8	21.6	21.2	2.8	22.4	29.4	23.0	28.0	23.8	27.2	
9	29.2	18.0	21.8	27.0	20.8	21.0	2.9	21.6	28.0	22.0	27.6	23.0	26.6	
10	27.4	18.2	22.0	28.0	20.6	21.8	2.6	21.0	29.6	22.0	27.8	23.0	27.0	
11	29.0	18.8	22.2	27.8	21.6	21.0	2.8	22.0	29.0	23.4	28.0	23.8	26.8	
12	28.8	18.6	22.0	28.6	20.8	21.6	2.9	21.8	29.6	22.4	28.6	23.4	27.8	
13	29.2	19.2	22.4	28.8	21.4	21.6	3.4	22.2	29.6	23.8	28.6	24.6	27.8	
14	29.6	19.0	22.6	28.4	21.2	21.8	3.4	22.0	29.8	23.0	28.8	23.8	28.0	
15	29.0	18.6	22.4	28.0	21.4	22.0	3.4	22.4	31.0	23.4	30.0	24.6	28.8	
16	28.4	19.2	22.6	27.0	21.8	21.8	3.3	21.8	30.0	22.0	29.8	23.8	28.8	
17	27.2	19.0	22.0	25.0	20.8	21.4	3.1	21.6	29.6	22.0	28.6	23.6	28.0	
18	25.6	18.0	20.8	26.0	20.0	21.6	2.3	21.6	29.8	22.4	28.0	23.8	27.6	
19	26.6	18.0	22.4	27.0	21.0	21.2	3.0	21.6	28.6	22.4	27.8	23.0	27.0	
20	27.8	19.2	21.2	26.6	20.8	21.0	3.6	21.6	28.4	22.0	27.8	23.0	27.4	
21	27.0	18.4	20.6	26.4	20.2	20.8	3.1	21.4	28.2	22.0	27.8	23.4	27.4	
22	26.6	18.0	21.0	25.0	20.4	20.8	2.4	21.2	27.8	22.0	26.6	22.4	26.0	
23	25.2	18.0	21.0	26.8	20.2	21.0	2.3	21.0	29.6	21.8	28.0	22.0	27.6	
24	27.6	18.2	20.8	26.6	20.0	20.8	3.4	21.8	29.0	22.2	28.6	23.8	27.6	
25	25.0	18.0	20.6	25.0	20.0	20.8	2.8	21.2	27.8	22.0	26.6	22.8	26.0	
26	25.2	17.6	20.6	26.8	19.8	21.2	2.5	21.0	29.0	22.0	28.6	22.4	27.8	
27	27.2	17.8	21.6	26.8	20.8	20.8	3.1	21.6	28.0	22.4	27.6	23.8	26.4	
28	27.6	17.8	21.0	26.6	20.2	20.8	3.0	21.2	29.0	22.0	28.6	23.0	27.0	
29	27.0	16.6	20.6	25.0	20.0	20.6	2.9	21.4	28.8	22.0	27.8	22.8	27.0	
30	25.0	17.0	20.0	25.0	19.6	20.4	2.6	20.8	28.0	21.6	27.6	22.0	27.2	
31	25.2	18.0	20.4	26.6	20.0	21.0	2.7	21.6	28.2	22.4	27.8	23.0	27.0	
Mean	27.7	18.3	21.5	27.2	20.7	21.2	3.0	21.7	29.0	22.4	28.1	23.3	27.3	
Weekly mean														
Std. Week No: 40 (October 1- October 7) No. of Days: 7														
Mean	29.2	18.3	21.9	28.3	20.9	21.5	3.1	21.9	28.8	22.8	27.8	23.5	27.2	
Std. Week No: 41 (October 8-October 14) No. of Days: 7														
Mean	28.9	18.7	22.2	28.2	21.1	21.4	3.0	21.9	29.3	22.8	28.2	23.6	27.3	
Std. Week No: 42 (October 15 - October 21) No. of Days: 7														
Mean	27.4	18.6	21.7	26.6	20.9	21.4	3.1	21.7	29.4	22.4	28.5	23.6	27.9	
Std. Week No:43 (October 22 - October 28) No. of Days: 7														
Mean	26.3	17.9	20.9	26.2	20.2	20.9	2.8	21.3	28.6	22.1	27.8	22.9	26.9	

PART- II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : October

Year : 2019

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. Pr. (mm) Hg.		Rel. Hum. %		Speed (Km/hr)	Direction						
	0700	1400	0700	1400	0700	0700	1400					
	LMT	LMT	LMT	LMT	LMT	LMT	LMT					
1	17.8	15.0	90	51	4.7	270	230	9.1	6	3	0.0	3.8
2	18.2	15.7	93	55	3.8	315	315	6.8	2	3	26.2	3.4
3	18.6	15.5	91	55	4.1	230	230	8.0	0	3	12.4	4.0
4	18.4	14.9	93	53	3.3	315	315	6.2	0	2	17.2	3.8
5	17.0	15.9	91	55	3.7	270	230	7.1	3	3	16.6	4.0
6	17.5	15.1	90	52	3.4	270	230	2.5	3	3	3.8	3.8
7	18.8	15.6	95	54	3.7	270	230	2.6	3	3	0.0	4.4
8	19.0	14.7	95	49	2.3	230	230	3.6	2	3	0.0	4.6
9	17.9	15.3	91	57	1.4	230	140	5.4	0	3	35.2	4.2
10	17.4	16.1	88	57	1.8	90	315	3.8	0	3	28.8	4.0
11	19.0	14.9	95	53	1.2	315	45	4.0	3	3	3.4	3.6
12	17.8	15.5	90	53	2.1	90	230	4.3	6	3	0.0	4.0
13	18.6	15.4	91	52	3.7	230	230	7.9	3	3	0.0	4.2
14	18.1	15.9	88	55	3.2	270	45	8.1	3	3	4.4	3.8
15	18.6	16.5	91	58	5.9	90	45	7.6	3	3	0.0	4.0
16	19.1	16.7	93	62	7.6	45	45	6.5	8	6	0.0	3.8
17	17.8	17.1	90	72	8.1	90	90	4.7	8	6	0.0	3.6
18	17.1	16.9	93	67	5.9	140	140	0.4	8	3	1.0	2.8
19	17.9	15.7	88	59	4.5	140	90	6.1	3	4	3.8	3.6
20	18.2	15.5	96	60	6.1	90	45	8.6	8	4	5.0	4.0
21	17.5	15.3	96	59	4.9	45	315	6.2	3	3	2.2	3.2
22	17.6	16.1	95	68	2.7	315	230	0.9	8	6	33.4	2.8
23	17.3	15.4	93	58	4.4	230	230	0.0	3	3	1.8	2.0
24	17.1	15.2	93	58	6.5	230	230	7.0	6	6	0.0	3.6
25	17.2	16.1	95	68	8.0	230	230	4.1	8	4	0.0	2.2
26	16.9	15.8	93	60	7.6	230	230	0.8	2	3	0.8	2.2
27	18.0	15.1	93	57	5.6	230	230	5.0	3	4	1.0	3.2
28	17.3	15.2	93	58	2.3	230	315	5.8	6	4	33.2	2.6
29	17.2	15.8	95	66	6.0	315	45	4.6	6	6	0.0	3.8
30	16.9	15.4	96	65	8.7	90	45	1.8	8	4	1.8	1.8
31	17.3	15.5	96	60	9.1	90	45	1.5	6	4	2.0	2.2
Mean	17.8	15.6	93	58	4.7	..	..	4.9	4	4	234.0	3.5
Weekly mean												
Std. Week No: 40 (October 1- October 7) No. of Days: 7												
Mean	18.0	15.4	92	53	3.8	...	...	6.0	2	3	76.2	3.9
Std. Week No: 41 (October 8-October 14) No. of Days: 7												
Mean	18.2	15.4	91	54	2.8	...	...	5.3	2	3	71.8	4.0
Std. Week No: 42 (October 15 - October 21) No. of Days: 7												
Mean	18.0	16.3	93	62	5.7	...	...	5.7	6	4	12.0	3.1
Std. Week No:43 (October 22 - October 28) No. of Days: 7												
Mean	17.3	15.6	93	61	5.8	...	...	3.4	5	4	70.2	2.6

Note: Rainfall is in total