

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 : 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	26.6	17.8	20.2	26.6	19.8	21.4	4.0	21.6	27.8	22.0	27.0	23.0	26.6	
2	27.0	18.0	21.8	27.0	20.6	21.6	4.0	21.8	28.6	22.4	27.0	23.4	26.6	
3	28.2	19.4	21.4	26.0	20.6	20.8	4.1	21.8	28.8	22.6	27.6	23.8	27.0	
4	26.2	17.4	21.4	27.2	20.8	20.4	3.9	21.8	8.8	22.4	27.6	23.6	27.0	
5	27.8	17.8	20.4	27.4	19.8	21.6	4.2	22.0	30.0	23.6	28.8	23.8	28.0	
6	27.8	18.2	21.4	28.8	20.8	21.4	4.2	22.0	31.0	23.4	30.0	23.8	28.2	
7	29.4	18.8	21.8	28.6	21.0	21.6	4.5	22.4	32.4	23.8	30.0	24.0	29.0	
8	29.4	19.0	22.4	29.4	21.2	21.8	4.4	22.4	31.8	23.8	30.0	24.4	29.0	
9	30.6	19.8	22.6	28.8	21.4	21.6	4.6	22.8	31.6	23.8	30.0	24.6	28.8	
10	29.4	18.0	21.8	27.8	20.0	21.4	4.6	21.8	30.4	22.0	28.8	23.0	28.0	
11	29.0	18.2	21.2	27.0	19.8	21.0	4.4	21.4	30.0	22.0	28.0	22.8	27.0	
12	27.4	17.8	20.8	25.0	20.0	20.4	4.0	21.6	28.0	22.4	27.0	23.0	26.4	
13	25.4	18.4	20.6	22.8	18.4	20.8	3.4	21.4	27.6	22.0	26.6	23.0	26.0	
14	22.8	18.0	20.2	24.4	19.8	20.6	2.7	21.6	28.0	22.4	27.0	23.6	26.6	
15	24.6	17.8	20.8	26.0	19.8	21.0	3.3	21.6	29.6	22.8	28.0	23.8	27.6	
16	26.4	18.0	21.6	25.8	21.0	20.8	3.7	22.4	29.0	23.0	28.0	23.8	26.8	
17	26.0	18.0	21.0	28.2	20.0	21.4	3.6	22.0	29.4	23.2	28.2	23.8	27.0	
18	29.0	20.8	21.4	27.0	20.8	21.6	3.9	22.4	27.8	23.4	27.0	23.8	26.8	
19	27.6	18.4	21.8	25.0	21.0	21.4	3.9	21.8	27.8	22.0	27.2	23.4	26.2	
20	25.2	18.6	21.4	25.4	20.6	21.6	3.2	21.6	28.0	22.4	27.6	23.6	26.4	
21	25.6	18.6	20.4	26.0	20.0	20.8	3.3	21.4	27.0	22.0	26.8	23.2	26.0	
22	26.8	18.2	21.0	25.6	20.2	20.8	3.7	21.0	26.0	22.0	25.6	22.8	25.4	
23	25.8	18.0	20.4	27.0	20.2	21.0	3.5	21.0	26.0	22.0	25.8	22.8	25.4	
24	27.6	17.2	19.8	26.2	19.0	21.2	4.0	20.8	26.8	21.8	26.0	22.0	25.6	
25	26.4	18.2	21.6	27.0	20.8	21.4	3.6	21.4	27.8	22.4	27.0	23.0	26.8	
26	28.6	18.0	21.6	26.6	20.8	21.8	4.1	21.6	28.0	22.0	26.8	23.2	26.0	
27	26.8	18.0	21.8	26.0	21.4	21.8	3.7	21.6	28.8	22.4	28.0	23.4	26.8	
28	26.0	16.2	19.0	26.8	18.8	20.8	3.7	21.0	29.4	22.0	28.0	22.8	27.0	
29	27.4	16.8	21.4	27.2	20.8	21.0	4.0	21.2	29.8	22.0	29.6	23.4	28.0	
30	27.4	18.0	20.8	27.0	19.8	21.4	3.8	21.8	31.8	22.4	30.0	23.8	29.0	
31	27.2	16.6	21.8	27.6	21.0	21.4	3.9	21.8	31.4	22.8	30.0	24.0	28.8	
Mean	27.1	18.1	21.1	26.7	20.3	21.2	3.9	21.7	28.4	22.6	27.9	23.4	27.1	
Weekly mean														
Std. Week No: 40 (October 1- October 7) No. of Days: 7														
Mean	27.6	18.2	21.2	27.4	20.5	21.3	4.1	21.9	26.8	22.9	28.3	23.6	27.5	
Std. Week No: 41 (October 8-October 14) No. of Days: 7														
Mean	27.7	18.5	21.4	26.5	20.1	21.1	4.0	21.9	29.6	22.6	28.2	23.5	27.4	
Std. Week No: 42 (October 15 - October 21) No. of Days: 7														
Mean	26.3	18.6	21.2	26.2	20.5	21.2	3.5	21.9	28.4	22.9	27.5	23.6	26.7	
Std. Week No:43 (October 22 - October 28) No. of Days: 7														
Mean	26.9	17.7	20.7	26.5	20.2	21.3	3.8	21.2	27.5	22.1	26.7	22.9	26.1	

PART- II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : October

Year : 2020

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. (mm)	Pr. Hg.	Rel. Hum. %		Speed (Km/hr)	Direction						
	0700	1400	0700	1400	0700	0700	1400					
	LMT	LMT	LMT	LMT	LMT	LMT	LMT					
1	17.1	16.2	96	62	6.0	270	270	1.3	4.0	3.0	2.2	2.8
2	17.5	16.4	90	61	4.2	270	270	6.0	3.0	3.0	0.0	3.4
3	17.8	15.5	93	62	5.0	270	270	7.4	4.0	3.0	0.0	3.8
4	18.1	14.2	95	53	7.1	270	270	4.6	3.0	3.0	6.8	3.8
5	17.0	16.1	95	59	6.2	270	270	3.9	2.0	2.0	0.0	4.0
6	18.1	15.0	95	51	4.0	320	320	8.0	0.0	2.0	0.0	4.2
7	18.2	15.5	93	53	4.7	320	320	9.6	2.0	2.0	0.0	4.6
8	18.2	15.4	90	50	4.0	230	230	9.3	0.0	0.0	0.0	4.8
9	18.4	15.4	90	52	3.8	230	230	9.0	2.0	2.0	0.0	5.4
10	16.5	15.6	84	56	3.6	320	320	2.2	3.0	3.0	12.2	4.0
11	16.5	15.3	88	57	5.3	320	320	0.0	3.0	3.0	6.0	3.6
12	17.1	15.4	93	65	5.1	320	270	0.0	4.0	3.0	1.0	3.0
13	14.7	17.3	81	83	6.3	270	270	0.0	6.0	3.0	7.8	3.2
14	17.1	16.1	96	70	8.9	270	270	0.0	4.0	3.0	0.0	3.6
15	16.8	15.9	91	63	10.3	270	270	2.4	3.0	2.0	0.0	4.0
16	18.3	15.7	95	63	6.3	270	270	7.5	2.0	3.0	0.0	4.6
17	17.0	15.3	91	54	2.7	230	230	8.4	3.0	3.0	0.0	4.4
18	18.1	16.4	95	61	2.9	230	270	0.0	3.0	4.0	0.0	3.8
19	18.2	17.1	93	72	2.3	230	230	4.8	8.0	6.0	4.8	3.0
20	17.8	17.2	93	71	2.7	320	320	0.0	6.0	3.0	1.2	3.6
21	17.3	15.5	96	62	3.1	230	230	0.0	8.0	4.0	61.2	3.2
22	17.3	15.8	93	64	2.7	230	230	1.7	8.0	4.0	4.8	3.0
23	17.6	15.3	98	57	4.2	230	230	1.7	6.0	6.0	10.6	2.0
24	16.0	16.1	93	63	4.7	230	230	2.6	8.0	6.0	6.2	2.8
25	18.0	16.0	93	60	2.3	320	320	1.2	6.0	3.0	0.0	2.8
26	18.0	16.9	93	65	2.4	320	320	7.8	2.0	3.0	2.8	3.0
27	18.9	17.3	96	68	2.1	45	90	7.8	0.0	0.0	0.0	4.4
28	16.2	15.1	98	57	3.5	45	320	9.5	0.0	2.0	0.0	3.6
29	18.1	15.2	95	56	4.2	320	45	8.9	2.0	2.0	0.0	4.4
30	16.8	16.0	91	60	3.7	45	45	3.0	0.0	0.0	0.0	4.2
31	18.2	15.7	93	57	3.8	45	45	4.3	0.0	0.0	0.0	3.8
Mean	17.4	15.9	93	61	4.5	..	..	4.3	3	3	127.6	3.7
Weekly mean												
Std. Week No: 40 (October 1- October 7) No. of Days: 7												
Mean	17.7	15.6	94	57	5.3	...	...	5.8	3	3	9.0	3.8
Std. Week No: 41 (October 8-October 14) No. of Days: 7												
Mean	16.9	15.8	89	62	6.2	...	...	2.9	3	2	27.0	4.1
Std. Week No: 42 (October 15 - October 21) No. of Days: 7												
Mean	17.6	16.2	93	64	3.2	...	...	3.3	5	4	67.2	3.1
Std. Week No:43 (October 22 - October 28) No. of Days: 7												
Mean	17.4	16.1	95	62	3.3	...	...	4.6	4	3	24.4	3.7