

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

District : Bengaluru

Lat : 13° 05' N

Month : October

Alt : 924 m (amsl)

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	30.2	20.6	22.4	28.0	21.6	21.2	3.7	22.8	36.0	23.6	31.8	24.0	30.0	
2	29.0	20.2	22.8	28.2	21.0	21.8	3.9	23.6	33.8	24.4	31.0	25.4	29.4	
3	29.4	20.6	23.0	28.6	21.6	20.8	3.9	24.0	34.6	24.8	31.8	25.6	30.0	
4	29.8	20.6	21.0	24.0	20.4	21.0	3.7	24.8	31.6	25.6	30.0	26.0	29.0	
5	25.2	19.6	21.8	25.0	20.6	20.8	2.5	23.4	30.8	24.4	29.0	25.0	28.6	
6	25.4	19.4	21.2	26.8	20.6	21.0	2.7	22.8	30.0	23.6	29.2	24.0	28.8	
7	27.2	19.0	21.8	28.0	21.0	21.2	2.7	21.8	30.2	22.8	28.8	23.8	28.0	
8	29.0	18.6	22.4	27.8	21.4	21.6	3.6	22.8	30.0	23.8	28.8	24.6	24.6	
9	29.0	19.0	21.8	30.0	20.8	21.2	3.2	21.8	29.6	22.4	28.8	23.4	28.0	
10	30.6	19.0	21.6	27.8	20.8	20.8	3.4	22.0	31.8	23.4	30.0	23.8	29.0	
11	28.8	16.6	19.0	28.8	18.0	21.0	3.4	22.0	31.6	23.2	30.4	23.6	29.6	
12	30.2	17.4	21.0	30.0	20.4	21.4	3.3	22.8	33.0	23.6	31.8	24.0	30.0	
13	30.6	16.8	22.4	29.8	21.0	21.4	3.4	22.4	32.8	23.8	31.6	24.0	30.8	
14	31.2	20.2	21.8	28.8	20.4	21.4	3.7	22.6	32.6	23.8	31.8	24.8	30.6	
15	29.2	19.2	21.6	28.0	20.6	21.0	2.8	22.8	31.8	23.8	30.0	24.4	28.8	
16	29.8	20.0	21.4	27.6	20.4	21.2	3.2	23.0	31.8	23.8	30.0	24.6	28.6	
17	28.4	18.6	21.8	27.0	21.0	20.4	3.5	23.2	31.6	24.0	30.0	24.4	29.0	
18	27.4	18.0	19.8	28.0	19.6	20.8	2.9	21.6	31.0	22.4	29.6	23.4	28.8	
19	28.6	18.6	21.0	27.0	20.2	20.6	3.3	21.4	31.8	22.8	30.2	24.0	29.0	
20	28.0	17.8	20.8	27.0	20.0	21.2	3.2	21.6	32.0	22.8	30.6	23.8	28.8	
21	28.0	17.0	21.2	27.4	20.2	21.0	3.5	22.4	31.8	23.8	30.7	24.4	29.0	
22	27.4	14.8	21.6	27.8	20.6	20.6	3.0	21.8	32.8	22.6	31.0	23.8	30.0	
23	28.2	14.8	21.6	29.0	20.8	21.2	3.4	21.8	33.0	22.6	31.8	24.0	30.0	
24	32.2	15.4	23.0	28.2	21.0	21.4	3.9	22.8	32.8	23.8	31.8	24.6	31.0	
25	29.8	15.6	22.4	28.8	20.6	21.0	3.7	22.6	32.4	23.4	32.0	24.4	30.8	
26	29.2	16.2	21.6	25.6	20.0	21.2	3.5	22.8	35.6	23.8	30.8	24.2	30.0	
27	30.0	17.8	21.6	28.0	20.2	21.0	4.0	23.0	32.8	24.6	31.0	25.0	30.2	
28	28.0	14.4	20.8	28.0	19.8	21.2	3.5	22.8	33.0	23.8	32.4	24.6	31.0	
29	28.4	14.0	20.4	28.2	19.0	20.8	3.6	23.2	33.4	24.0	30.8	25.4	28.8	
30	28.8	13.6	21.4	28.0	20.2	21.0	2.9	23.0	33.6	23.8	31.0	25.0	29.0	
31	28.6	17.6	21.6	28.2	20.4	20.8	3.7	23.6	32.0	24.8	31.2	25.0	30.0	
Mean	28.9	17.8	21.5	27.9	20.5	21.1	3.4	22.7	32.3	23.7	30.6	24.4	29.3	
Weekly mean														
Std.Week No: 40 (October 1- October 7) No. of Days: 7														
Mean	28.0	20.0	22.0	26.9	21.0	21.1	3.3	23.3	32.4	24.2	30.2	24.8	29.1	
Std.Week No: 41 (October 8-October 14) No. of Days: 7														
Mean	29.9	18.2	21.4	29.0	20.4	21.3	3.4	22.3	31.6	23.4	30.5	24.0	28.9	
Std.Week No: 42 (October 15 - October 21) No. of Days: 7														
Mean	28.5	18.5	21.1	27.4	20.3	20.9	3.2	22.3	31.7	23.4	30.2	24.1	28.9	
Std.Week No:43 (October 22 - October 28) No. of Days: 7														
Mean	29.3	15.6	21.8	27.9	20.4	21.1	3.6	22.5	33.2	23.7	31.5	24.4	30.4	

PART- II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : October

Year : 2018

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount		Rainfall (mm)	Pan Evap. (mm)
	Vap. (mm)	Pr. Hg.	Rel. Hum. %		Speed (Km/hr)	Direction			(Octas)			
			0700	1400		0700	0700		1400	0700			1400
	LMT	LMT	LMT	LMT	LMT	LMT	LMT		LMT	LMT		
1	18.9	17.0	93	53	5.0	320	320	8.4	0	2	0	4.2
2	17.7	15.1	85	56	7.4	90	90	10.1	2	3	0	4.6
3	18.6	16.0	88	48	5.6	90	90	10.1	3	0	0	4.2
4	17.6	14.1	95	76	6.3	90	90	8.3	3	3	0	4.2
5	17.5	17.0	90	68	8.8	90	90	0.0	6	6	4.4	3.0
6	17.9	16.1	95	58	10.2	90	90	0.8	8	3	0	2.6
7	18.2	15.4	93	53	5.6	90	90	1.9	2	2	0.8	3.2
8	18.6	15.1	91	57	5.6	50	50	10.1	2	3	0	4.0
9	17.9	15.9	91	44	3.4	230	140	6.5	2	2	12	2.8
10	18.0	14.0	93	52	3.2	90	230	7.5	0	2	0	3.4
11	14.9	14.5	91	48	4.6	230	230	8.9	0	0	0	3.8
12	17.6	14.3	95	45	3.2	230	230	7.9	0	0	0	4.2
13	17.9	14.3	88	46	3.2	230	230	8.8	0	0	0	4.2
14	17.2	14.5	88	51	3.2	230	230	8.3	0	0	0	3.8
15	17.6	15.0	91	52	3.0	230	50	1.8	3	3	2.2	3.8
16	17.4	14.8	91	55	2.4	50	50	4.9	2	3	0	4.0
17	18.2	15.3	93	54	6.2	230	315	7.6	3	2	0	3.6
18	17.0	14.3	98	51	2.9	315	230	4.4	3	2	9.8	3.0
19	17.3	14.4	93	55	4.0	230	230	6.8	2	0	0	4.2
20	17.1	14.7	93	59	4.8	230	230	7.0	0	0	0	4.2
21	17.2	15.7	91	55	5.0	230	230	10.1	0	0	0	4.0
22	17.6	15.1	91	51	6.3	50	50	7.3	0	0	0	4.2
23	18.0	14.2	93	48	4.8	230	50	11.0	0	0	0	4.4
24	17.5	14.6	83	54	6.0	90	50	10.3	0	0	0	4.8
25	17.2	15.3	85	48	6.0	50	50	10.1	0	0	0	5.2
26	16.7	14.3	86	67	7.1	50	50	8.7	0	0	0	5.6
27	17.0	16.4	88	52	7.4	50	50	10.0	0	0	0	5.4
28	16.8	14.8	91	53	6.5	50	50	10.4	0	0	0	5.8
29	15.7	15.1	87	50	8.4	50	50	10.4	0	0	0	6.0
30	17.1	14.3	89	52	5.2	50	50	5.3	0	0	0	5.6
31	17.3	14.8	89	50	4.8	50	50	9.7	0	2	0	5.2
Mean	17.5	15.0	91	54	5.4	..	..	7.5	1	1	29.2	4.2
Weekly mean												
Std.Week No: 40 (October 1- October 7) No. of Days: 7												
Mean	18.1	18.9	91	59	7.0	...	...	5.7	3	3	5.2	3.7
Std.Week No: 41 (October 8-October 14) No. of Days: 7												
Mean	17.4	19.4	91	49	3.4	...	...	8.3	1	1	12.0	3.8
Std.Week No: 42 (October 15 - October 21) No. of Days: 7												
Mean	17.4	18.9	93	54	4.5	...	...	6.1	2	1	12.0	4.1
Std.Week No:43 (October 22 - October 28) No. of Days: 7												
Mean	17.3	19.1	88	53	6.6	...	...	9.7	0	0	0.0	5.6

Note: Rainfall is in total