

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

District : Bengaluru

Lat : 13° 05' N

Month : October

Alt : 924 m (amsl)

Year : 2016

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	0700	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	28.0	18.6	20.8	26.4	20.2	20.6	3.3	20.8	28.8	21.0	28.0	22.4	27.8
2	26.6	18.4	20.0	28.0	19.8	21.2	2.8	21.6	31.0	22.4	30.0	23.6	29.0
3	29.8	18.6	21.4	28.6	20.6	20.4	3.6	21.8	30.0	22.8	28.8	23.6	27.8
4	30.0	19.8	21.0	28.8	20.0	20.8	3.7	21.4	30.2	22.0	28.8	23.8	27.8
5	30.8	19.0	21.6	29.4	20.4	21.0	3.9	21.6	32.4	22.8	31.6	23.8	30.0
6	30.4	19.0	20.0	30.4	19.4	20.8	3.8	21.8	34.0	22.4	32.8	23.6	31.6
7	31.0	18.2	20.4	29.0	18.8	21.4	3.9	23.6	34.0	24.0	33.0	24.4	32.4
8	30.8	19.4	20.8	28.8	20.0	21.2	3.9	23.0	34.4	23.4	33.8	24.8	33.6
9	30.6	18.6	20.2	29.0	19.6	21.0	3.9	23.0	33.0	24.4	31.6	25.0	31.0
10	30.2	18.4	20.2	27.8	19.8	20.8	3.7	22.0	31.6	23.0	30.2	23.6	29.6
11	28.8	19.0	20.8	28.8	20.2	21.2	3.4	21.6	30.8	22.4	30.0	23.2	29.2
12	30.0	19.8	21.4	27.6	20.6	20.8	3.4	21.6	30.8	22.4	30.0	23.0	29.0
13	27.8	18.0	20.8	26.8	20.0	20.8	2.4	21.0	30.8	22.0	30.0	22.4	28.8
14	27.0	19.8	21.0	28.4	20.0	20.6	2.7	21.8	30.6	22.4	30.0	23.0	29.8
15	29.2	17.0	21.0	27.8	19.0	20.2	3.5	21.0	31.6	22.4	30.8	22.8	30.0
16	29.0	17.0	20.4	28.6	18.6	20.8	3.5	21.8	31.6	22.0	30.8	22.8	29.8
17	29.6	16.6	20.0	28.8	17.8	20.4	3.5	22.0	32.8	22.6	31.8	23.0	29.6
18	29.4	16.8	20.8	28.6	17.8	20.6	3.4	21.8	32.0	22.0	31.0	22.8	29.6
19	29.8	16.4	21.4	29.0	18.0	18.6	3.4	21.0	32.6	22.0	31.8	22.6	30.4
20	30.4	16.8	21.8	28.6	18.6	21.0	3.6	22.0	32.8	22.8	32.0	23.4	30.8
21	30.0	16.6	20.8	28.8	18.6	20.8	3.6	21.0	32.4	22.0	30.0	23.4	28.8
22	30.0	16.6	20.2	28.2	18.2	20.6	3.6	22.4	32.0	23.8	30.8	24.0	28.8
23	29.8	15.6	21.6	28.0	18.0	20.4	3.4	22.0	32.6	22.8	31.8	23.0	30.0
24	28.8	15.8	20.4	28.4	17.8	20.8	3.1	22.6	33.4	23.0	31.8	23.8	30.0
25	29.8	18.2	20.8	29.0	18.0	20.6	3.7	22.8	33.0	23.8	32.0	24.6	31.2
26	30.0	17.8	21.6	28.6	18.6	20.4	3.7	22.4	33.8	23.8	33.0	24.0	29.8
27	29.2	19.4	22.0	28.8	19.2	20.8	3.7	23.0	34.0	23.8	33.0	24.8	29.0
28	29.2	18.0	21.8	28.6	20.8	19.4	3.7	23.6	34.0	24.0	32.8	24.6	32.0
29	30.8	17.0	22.2	28.8	18.8	20.4	4.1	22.6	34.4	23.4	33.8	24.4	32.4
30	30.0	18.6	22.4	29.0	20.0	20.2	4.0	22.8	34.8	23.8	33.6	25.0	33.0
31	30.2	19.0	21.0	28.6	18.4	20.8	3.7	23.4	35.0	23.0	33.8	23.8	33.0
Mean	29.6	18.0	21.0	28.5	19.2	20.6	3.5	22.1	32.4	22.9	31.4	23.6	30.2
Weekly mean													
Std.Week No: 40 (October 1- October 7) No. of Days: 7													
Mean	29.5	18.8	20.7	28.7	19.9	20.9	3.6	21.8	31.5	22.5	30.4	23.6	29.5
Std.Week No: 41 (October 8-October 14) No. of Days: 7													
Mean	29.3	19.0	20.7	28.2	20.0	20.9	3.3	22.0	31.7	22.9	30.8	23.6	30.1
Std.Week No: 42 (October 15 - October 21) No. of Days: 7													
Mean	29.6	16.7	20.9	28.6	18.3	20.3	3.5	21.5	32.3	22.2	31.2	23.0	29.9
Std.Week No:43 (October 22 - October 28) No. of Days: 7													
Mean	29.5	17.3	21.2	28.5	18.7	20.4	3.6	22.7	33.3	23.5	32.2	24.1	30.1

**PART-
II**

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : October

Year : 2016

Date	Humidity				Mean Wind			Bright	Cloud		Rainfall (mm)	Pan
	Vap. Pr.		Rel. Hum.		Speed	Direction		SSH	Amount	(Octas)		Evap.
	(mm)	Hg.	%		(Km/hr)							(mm)
	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	17.4	18.4	95	58	6.7	270	270	6.9	4	2	0.8	2.6
2	17.2	19.7	98	53	6.0	270	270	3.0	2	2	0	2.8
3	17.8	17.9	93	46	4.3	270	270	9.7	0	2	0	3.8
4	17.0	18.9	91	47	4.7	230	270	9.1	2	2	0	4.2
5	17.3	19.0	89	46	6.6	270	270	9.3	2	2	0	4.6
6	16.6	19.2	94	40	5.1	270	270	10.2	2	2	0	5.0
7	15.4	20.6	86	50	5.9	270	230	9.8	2	2	0	5.0
8	17.1	19.5	93	49	6.9	230	230	8.1	2	2	0	5.8
9	16.8	19.4	94	47	8.9	230	230	7.8	3	3	0	6.2
10	17.1	19.0	96	52	9.4	270	230	5.7	6	3	11.4	6.0
11	17.4	19.4	95	49	6.9	230	230	5.6	2	2	0	5.6
12	17.8	18.5	93	53	4.9	320	320	4.9	6	3	6.4	4.8
13	17.1	18.9	93	57	2.5	90	90	0.5	3	2	12.4	3.8
14	17.0	18.5	91	48	1.9	90	90	2.0	2	2	0	4.4
15	15.4	18.4	82	48	4.2	140	140	9.5	2	0	0	4.6
16	15.1	19.6	84	48	3.6	90	90	9.9	0	0	0	5.2
17	14.1	19.4	80	45	3.9	90	50	9.6	0	0	0	6.0
18	13.6	19.7	74	47	3.5	50	50	8.7	0	0	0	5.4
19	13.6	16.4	71	34	3.1	90	90	6.8	0	0	0	5.8
20	14.3	20.0	73	49	3.1	50	50	9.8	0	0	0	6.2
21	14.9	19.6	81	47	3.3	50	50	10.2	0	2	0	5.2
22	14.6	19.5	82	49	3.1	0	50	9.7	2	0	0	4.0
23	13.5	19.3	70	49	3.1	50	50	9.0	0	0	0	4.4
24	13.9	20.1	77	49	2.8	50	50	5.9	0	0	0	4.6
25	13.9	19.6	76	45	3.5	90	90	9.0	0	0	0	5.6
26	14.4	19.0	75	46	3.2	50	90	9.4	0	0	0	5.4
27	15.1	19.3	76	47	3.4	50	90	8.8	0	0	0	5.0
28	17.9	16.1	91	40	3.4	90	50	10.0	0	0	0	5.2
29	14.4	18.9	72	45	6.6	50	50	10.3	0	0	0	5.8
30	16.2	17.9	80	43	4.6	50	50	9.6	0	2	0	5.0
31	14.4	19.8	77	48	5.0	140	90	5.6	0	2	0	5.4
Mean	15.7	19.0	85	48	4.6	..	..	7.9	1	1	31.0	4.9
Weekly mean												
Std.Week No: 40 (October 1- October 7) No. of Days: 7												
Mean	16.9	19.1	92	49	5.6	...	...	8.3	2	2	0.8	4.0
Std.Week No: 41 (October 8-October 14) No. of Days: 7												
Mean	17.2	19.0	94	51	5.5	...	...	4.9	3	2	30.2	5.2
Std.Week No: 42 (October 15 - October 21) No. of Days: 7												
Mean	14.4	19.0	78	46	3.4	...	...	9.2	0	0	0.0	5.1
Std.Week No:43 (October 22 - October 28) No. of Days: 7												
Mean	14.8	19.0	78	46	3.7	...	...	8.8	0	0	0.0	5.3

Note: Rainfall is in total