

## AICRP on Agrometeorology

## Meteorological Observation at GKVK, UAS (B), Bangalore

## PART- I

District : Bengaluru  
State: KarnatakaLat : 13° 05' N  
Long : 77° 05' EMonth : October  
Year: 2017

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
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	26.6	19.4	21.4	26.6	20.6	20.8	2.5	20.4	26.8	21.0	26.4	21.6	26.0
2	27.6	19.6	21.8	26.4	20.4	21.0	2.8	20.0	26.0	21.0	25.8	21.8	25.4
3	26.8	19.8	21.6	27.8	20.2	21.6	2.9	21.6	28.0	22.4	26.8	23.0	26.0
4	29.8	20.8	21.8	28.0	20.8	22.0	3.7	21.4	28.8	22.0	27.6	22.8	26.8
5	28.8	20.8	21.8	27.2	20.8	21.8	3.3	21.6	27.4	22.4	26.8	23.0	26.0
6	27.4	20.2	21.6	27.8	20.8	20.8	2.7	20.8	27.8	21.6	27.0	22.4	26.6
7	28.0	20.0	22.0	27.4	20.4	21.2	2.9	21.8	28.8	22.4	27.6	23.8	27.0
8	28.2	19.8	21.2	26.8	21.0	21.2	2.7	21.6	29.0	22.4	27.6	23.0	27.8
9	27.8	20.6	21.8	28.6	20.8	21.2	3.6	21.8	30.8	22.6	29.6	23.4	28.0
10	29.2	18.4	20.4	27.6	20.0	21.4	3.3	21.4	28.0	22.6	27.8	23.0	25.8
11	28.6	19.6	20.8	28.6	20.2	21.8	3.2	22.0	31.0	23.4	28.6	24.0	27.8
12	30.0	19.4	21.8	28.0	20.2	21.6	3.4	20.6	28.0	21.4	26.8	22.8	26.0
13	30.0	19.2	21.6	27.0	20.4	21.0	2.8	20.2	28.0	21.0	27.4	21.8	27.0
14	27.8	19.0	20.8	27.4	20.0	20.8	2.7	21.6	26.4	22.0	26.0	22.8	25.8
15	27.6	19.4	20.0	26.8	19.8	20.4	2.8	20.0	26.2	21.0	26.0	21.6	25.6
16	27.2	18.4	19.8	24.4	19.6	20.8	2.6	19.8	26.8	20.0	26.0	21.6	25.8
17	24.4	18.6	21.6	26.8	20.0	21.2	2.4	20.8	27.6	21.2	27.0	22.8	26.6
18	26.8	18.4	21.6	27.4	20.4	21.0	3.1	21.6	28.0	22.6	27.6	23.8	26.8
19	27.2	17.6	20.4	27.0	20.0	21.2	2.9	20.8	29.8	21.8	27.1	22.4	27.4
20	28.0	18.4	21.8	27.6	20.4	21.4	3.3	21.0	29.6	21.8	27.8	22.0	27.0
21	29.0	19.0	22.0	28.0	20.8	21.0	3.4	21.6	29.4	22.4	28.0	23.0	27.8
22	29.0	18.0	20.8	27.8	20.0	20.0	3.3	20.6	30.8	21.8	29.6	22.8	28.6
23	28.8	16.0	20.0	28.6	19.0	21.4	3.4	21.0	30.6	22.0	28.8	23.0	28.0
24	29.6	19.4	22.4	28.2	20.2	20.6	3.7	21.6	31.0	22.4	28.8	23.0	28.0
25	30.0	19.0	22.0	28.6	20.2	21.2	3.7	21.6	30.8	22.8	28.8	23.6	28.0
26	29.0	20.0	22.2	28.0	20.8	21.0	4.0	21.0	30.4	22.4	28.8	23.8	27.8
27	28.2	18.4	22.0	28.2	20.2	21.0	3.6	21.4	30.6	22.6	29.8	23.2	27.8
28	28.8	17.2	21.4	27.4	19.8	20.6	3.8	21.6	31.4	22.4	30.0	23.6	28.8
29	27.6	18.8	20.2	27.4	19.8	20.8	3.7	22.0	31.0	23.4	29.8	24.0	28.0
30	27.8	18.2	20.8	26.0	20.0	20.8	3.7	21.4	28.0	22.8	27.2	23.4	26.8
31	26.0	17.8	20.8	24.0	19.4	21.0	3.2	21.2	29.4	22.0	27.6	23.0	27.0
<b>Mean</b>	<b>28.1</b>	<b>19.0</b>	<b>21.3</b>	<b>27.3</b>	<b>20.2</b>	<b>21.1</b>	<b>3.2</b>	<b>21.2</b>	<b>28.9</b>	<b>22.1</b>	<b>27.8</b>	<b>22.9</b>	<b>27.0</b>
<b>Weekly mean</b>													
<b>Std.Week No: 40 (October 1- October 7) No. of Days: 7</b>													
<b>Mean</b>	27.9	20.1	21.7	27.3	20.6	21.3	3.0	21.1	27.7	21.8	26.9	22.6	26.3
<b>Std.Week No: 41 (October 8-October 14) No. of Days: 7</b>													
<b>Mean</b>	28.8	19.4	21.2	27.7	20.4	21.3	3.1	21.3	28.7	22.2	27.7	23.0	26.9
<b>Std.Week No: 42 ( October 15 - October 21) No. of Days: 7</b>													
<b>Mean</b>	27.2	18.5	21.0	26.9	20.1	21.0	2.9	20.8	28.2	21.3	27.1	22.5	26.7
<b>Std.Week No:43 (October 22 - October 28 ) No. of Days: 7</b>													
<b>Mean</b>	29.1	18.3	21.5	28.1	20.0	20.8	3.6	21.3	30.8	22.4	29.2	23.3	28.1

## PART- II

Time of Observation:

Month : October

I---&gt; 0700 Hours LMT = 0720 IST

Year : 2017

II---&gt; 1400 Hours LMT = 1420 IST

Date	Humidity				Mean Wind			Bright	Cloud		Rainfall	Pan
	Vap. Pr.		Rel. Hum.		Speed	Direction		SSH	Amount			Evap.
	(mm)	Hg.	%		(Km/hr)				(Octas)		(mm)	(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	17.8	18.5	93	58	4.1	230	270	0.6	6	3	1.2	3.0
2	17.2	19.0	88	61	4.1	270	270	2.6	2	2	29.2	3.4
3	17.0	20.1	88	57	3.4	270	230	5.0	3	3	0	4.2
4	17.9	20.5	91	58	4.4	270	230	9.4	6	3	0	4.2
5	17.9	20.1	91	61	4.6	320	230	5.6	4	3	10	3.2
6	18.0	18.4	93	52	3.2	230	320	1.4	4	3	4.2	3.2
7	17.1	19.3	86	56	2.4	230	230	4.3	3	2	2.8	3.2
8	18.5	19.0	98	60	2.1	230	230	3.0	2	3	32.2	3.2
9	17.9	19.1	91	50	4.3	230	230	9.1	4	3	0	4.2
10	17.3	19.9	96	57	4.6	270	320	6.5	2	3	25.6	3.2
11	17.4	20.5	95	54	3.0	270	230	6.5	6	3	0	4.0
12	16.9	20.1	86	56	2.9	320	230	7.5	3	3	84.4	3.4
13	17.3	19.0	89	57	2.5	230	140	1.8	3	3	18.4	3.0
14	17.1	18.9	93	54	3.5	270	270	1.5	3	3	14	2.8
15	17.2	18.3	98	55	3.5	270	230	2.6	8	6	35	2.6
16	17.0	19.1	98	72	3.7	270	230	2.1	8	6	7	2.2
17	16.7	19.5	86	60	8.0	230	230	0.0	3	4	0	3.0
18	17.3	19.0	89	55	2.7	230	230	7.8	3	2	0	2.6
19	17.3	19.5	96	59	2.4	230	230	6.1	0	2	0	3.4
20	17.2	19.7	88	57	2.4	230	230	8.8	2	2	0	3.8
21	17.8	18.8	90	52	2.2	230	230	8.0	2	2	0	3.6
22	17.1	17.5	93	47	2.3	320	230	7.4	0	2	0	4.0
23	15.9	20.4	91	52	3.0	320	230	9.8	0	0	0	3.8
24	16.5	18.4	81	49	2.1	90	90	10.3	0	2	0	4.2
25	16.8	19.4	85	50	2.0	90	90	9.5	2	0	0	3.8
26	17.6	18.8	88	52	7.2	90	320	8.9	2	2	0	3.6
27	16.8	19.1	85	51	5.2	320	320	8.4	2	2	0	4.2
28	16.4	18.6	86	53	7.1	320	50	9.3	3	2	0	4.4
29	17.1	19.0	96	54	7.0	50	50	8.9	2	2	0	5.2
30	17.1	18.9	93	62	9.6	50	90	7.7	2	2	0	4.8
31	16.1	19.5	88	76	11.7	90	50	5.2	2	2	0	3.4
Mean	17.2	19.2	91	56	4.2	..	..	6.0	3	3	264.0	3.6
Weekly mean												
Std.Week No: 40 (October 1- October 7) No. of Days: 7												
Mean	17.5	19.4	90	58	3.7	...	...	4.1	4	3	47.4	3.5
Std.Week No: 41 (October 8-October 14) No. of Days: 7												
Mean	17.5	19.5	93	55	3.5	...	...	5.1	3	3	174.6	3.2
Std.Week No: 42 ( October 15 - October 21) No. of Days: 7												
Mean	17.2	19.1	92	58	3.4	...	...	5.1	4	3	42.0	3.6
Std.Week No:43 (October 22 - October 28 ) No. of Days: 7												
Mean	16.7	18.9	87	51	4.8	...	...	9.1	1	1	0.0	4.3

Note: Rainfall is in total