

AICRP on Agrometeorology
University of Agricultural Sciences, GKVK, Bangalore-560 065
 Meteorological Observation at GKVK, Bangalore

PART-I

District : Bengaluru
 State : Karnataka

Lat : 13° 05' N
 Long : 77° 34' E
 Alt. : 924 m
 (amsl)

Month: September
 Year: 2016

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 Cm	5 Cm	10Cm	10Cm	15Cm	15Cm
	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	19.4	20.4	25.6	19.8	20.4	2.5	21.4	21.4	21.8	30.2	22.6	28.8
2	26.0	19.2	21.4	26.0	20.2	21.4	2.7	21.2	21.2	22.0	30.0	23.0	28.6
3	26.8	19.4	22.0	27.0	20.2	20.4	3.1	21.0	30.6	21.8	29.6	22.4	28.8
4	27.8	19.0	20.2	26.2	20.0	20.2	2.7	20.8	30.0	21.0	28.8	22.0	28.0
5	26.6	17.8	19.6	26.4	18.4	20.6	2.9	20.6	30.4	20.8	30.0	21.8	28.6
6	27.0	18.4	19.8	24.6	19.4	20.2	3.2	20.2	30.8	20.8	29.6	21.0	29.0
7	24.8	17.6	19.8	27.0	18.6	20.8	2.6	20.4	31.6	20.8	29.8	21.2	29.0
8	28.4	19.0	20.2	28.0	19.8	20.6	3.7	21.8	31.0	22.8	29.6	23.6	29.2
9	29.0	18.0	21.8	28.8	20.2	21.0	3.4	21.6	30.0	22.6	29.0	23.2	28.2
10	29.2	20.0	21.6	28.6	20.8	20.4	3.6	20.6	30.8	21.6	30.0	22.4	28.8
11	29.6	19.0	20.8	28.0	19.6	21.4	3.7	21.6	30.6	22.4	29.0	23.8	28.0
12	28.6	18.6	21.6	28.4	19.6	20.4	3.1	21.0	31.0	22.0	29.2	23.6	28.4
13	28.8	18.8	21.6	28.0	20.0	21.0	2.8	21.8	32.8	22.8	31.0	23.6	29.6
14	28.4	20.0	22.2	28.2	20.8	20.0	3.5	21.6	31.0	22.8	29.6	23.4	28.8
15	28.8	19.4	20.0	28.0	19.8	20.4	3.1	21.4	30.6	22.4	29.0	23.0	28.4
16	28.4	19.6	20.6	27.0	20.0	20.4	3.6	20.8	30.8	21.8	29.2	22.6	28.8
17	27.8	19.2	22.6	28.2	21.6	21.6	3.3	20.8	31.8	21.6	29.8	22.4	29.0
18	27.8	18.0	19.4	28.0	18.8	20.4	3.2	22.0	31.8	23.0	30.8	23.8	29.6
19	28.4	18.8	20.0	29.0	19.6	20.8	3.7	21.8	31.6	22.8	30.6	23.6	29.4
20	30.0	18.8	20.4	27.2	19.6	20.8	4.1	21.6	31.6	22.8	30.0	23.4	28.8
21	27.8	18.4	20.8	26.0	20.0	20.8	2.8	21.6	30.8	22.4	30.0	23.8	28.6
22	26.8	19.2	21.4	27.8	20.4	20.8	2.8	21.4	31.6	22.6	29.0	22.8	28.8
23	28.2	19.4	20.8	24.8	20.2	20.2	3.5	21.6	29.8	22.4	28.8	23.4	27.8
24	25.2	19.4	20.0	24.4	19.6	19.8	2.8	21.0	29.0	21.8	28.6	22.0	28.0
25	24.8	19.0	19.8	27.0	19.4	20.8	2.7	21.2	29.0	22.0	28.8	22.8	27.8
26	27.6	18.8	21.6	27.6	20.8	21.0	3.0	21.6	28.0	22.4	27.8	23.0	27.0
27	28.0	18.0	21.8	28.0	20.6	21.2	3.1	21.0	28.4	22.0	28.0	22.8	27.6
28	28.8	20.0	21.6	27.8	20.8	20.8	3.3	21.2	27.8	22.0	27.6	23.0	27.0
29	29.0	20.4	21.4	28.0	20.8	21.0	3.2	21.0	27.6	21.8	27.4	22.4	27.0
30	28.8	19.6	20.2	27.0	20.0	20.8	3.4	21.0	27.4	22.0	27.0	22.6	26.6
Mean	27.8	19.0	20.8	27.2	20.0	20.7	3.2	21.2	29.7	22.1	29.3	22.8	28.4
Weekly Mean													
Std.Week No:36 (Sept. 3 - Sept. 9) No. of Days : 7													
Mean	27.2	18.5	20.5	26.9	19.5	20.5	3.1	20.9	30.6	21.5	29.5	22.2	28.7
Std.Week No:37 (Sept.10 - Sept.16) No. of Days: 7													
Mean	28.8	19.3	21.2	28.0	20.1	20.6	3.3	21.3	31.1	22.3	29.6	23.2	28.7
Std.Week No:38 (Sept .17 - Sept. 23) No. of Days: 7													
Mean	28.1	18.8	20.8	27.3	20.0	20.8	3.3	21.5	31.3	22.5	29.9	23.3	28.9
Std.Week No:39 (Sept. 24 - Sept.30) No. of Days: 7													
Mean	27.5	19.3	20.9	27.1	20.3	20.8	3.1	21.1	28.2	22.0	27.9	22.7	27.3

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month: September

Year: 2016

Date	Humidity				Mean Wind			Bright	Cloud		Rainfall (mm) 0830 IST	Pan		
	Vap. Pr.		Rel. Hum.		Speed	Direction		SSH	Amount	1400		0830	Evap.	
	(mm)	Hg.	%		(Km/day)				(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	LMT	IST	IST		
1	17.0	18.3	95	61	4.4	270	270	0.0	3	3	0.6	3.8		
2	17.1	19.8	89	66	7.6	270	270	2.5	3	3	0.0	4.2		
3	16.8	18.1	85	54	12.5	270	270	0.0	2	3	0.0	4.6		
4	17.4	17.9	98	57	3.3	270	270	2.0	4	3	1.6	3.8		
5	15.2	19.4	89	58	6.3	270	270	3.6	2	2	9.8	4.0		
6	16.7	18.2	96	66	8.5	270	270	5.7	2	3	0.0	3.6		
7	15.4	19.6	89	56	7.6	270	270	2.3	2	2	1.4	3.0		
8	17.1	18.6	96	50	7.5	320	270	8.9	2	2	0.0	4.0		
9	16.9	19.1	86	48	5.3	230	230	8.1	3	2	0.0	4.2		
10	18.0	17.8	93	46	5.4	230	230	7.2	2	2	3.0	2.8		
11	16.4	20.1	89	55	5.9	270	270	9.0	2	2	0.0	4.4		
12	16.0	18.4	83	47	6.4	270	270	1.3	2	2	0.0	4.0		
13	16.7	19.2	86	52	5.8	270	270	0.0	0	2	0.0	3.8		
14	17.6	17.1	88	45	8.2	230	270	4.2	2	4	0.0	4.4		
15	17.2	18.3	98	49	7.5	230	230	0.0	6	3	15.4	2.6		
16	17.2	18.2	95	54	7.9	230	230	6.7	3	2	0.8	2.8		
17	18.8	19.3	91	55	10.2	230	230	4.4	2	2	1.2	3.4		
18	15.9	18.9	94	49	9.0	230	230	2.2	2	2	0.0	3.8		
19	16.9	19.1	96	46	9.2	230	230	6.1	2	2	0.0	3.6		
20	16.7	19.1	93	55	9.0	230	270	8.8	3	3	0.0	4.6		
21	17.1	18.9	93	62	8.8	230	230	0.0	4	3	0.0	3.0		
22	17.4	18.6	91	52	8.0	230	270	0.0	3	2	1.2	2.6		
23	17.4	17.8	95	65	10.3	270	270	3.4	2	2	0.0	3.2		
24	16.9	17.4	96	64	8.3	270	270	0.6	3	3	0.8	2.0		
25	16.7	19.2	96	56	8.3	270	270	0.6	4	3	4.0	2.2		
26	18.0	18.8	93	54	7.2	230	230	2.0	3	2	0.6	2.4		
27	17.5	19.2	90	53	6.7	270	270	4.1	4	3	0.0	2.8		
28	18.0	18.4	93	52	5.2	270	270	3.9	3	3	0.0	3.8		
29	18.1	18.8	95	52	5.2	320	270	2.6	4	3	11.0	1.8		
30	17.4	18.9	98	56	6.7	270	270	4.0	3	3	0.0	2.4		
Mean	17.0	18.7	92	54	7	..	..	3.5	3	3	51.4	3.4
Weekly Mean														
Std.Week No:36 (Sept. 3 - Sept. 9) No. of Days : 7														
Mean	16.5	18.7	91	55	7.3	..	..	4.4	2	2	12.8	3.9
Std.Week No:37 (Sept.10 - Sept.16) No. of Days: 7														
Mean	17.0	18.4	90	50	6.7	..	..	4.1	2	2	19.2	3.5
Std.Week No:38 (Sept .17 - Sept. 23) No. of Days: 7														
Mean	17.2	18.8	93	55	9.2	..	..	3.6	2	0	24.2	3.5
Std.Week No:39 (Sept. 24 - Sept.30) No. of Days: 7														
Mean	17.5	18.7	94	55	6.8	..	..	2.5	3	3	16.4	2.5

Note: Rainfall is in Total