

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 : 2024

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	26.0	19.4	22.0	26.0	20.2	22.4	3.7	21.2	28.2	23.0	27.0	24.0	26.8
2	28.8	20.0	21.0	27.0	20.0	23.4	4.4	20.0	30.2	22.4	29.0	24.0	28.0
3	29.2	19.0	21.0	26.8	20.0	22.6	4.7	20.2	28.0	21.2	27.4	22.2	27.0
4	28.0	18.4	21.6	27.0	20.8	22.4	4.5	20.0	29.0	21.2	28.4	21.8	28.0
5	28.8	19.0	21.0	29.2	20.4	23.4	4.6	21.0	30.2	22.2	30.0	23.0	29.6
6	30.0	20.2	21.6	25.4	20.8	22.2	4.7	21.2	28.0	22.6	27.0	23.2	26.0
7	26.8	20.4	21.6	23.2	20.4	20.2	3.7	21.0	29.0	23.0	28.2	24.0	27.2
8	29.4	19.6	21.6	27.2	19.6	20.2	4.6	20.0	30.2	21.2	29.2	23.0	28.0
9	27.4	20.0	22.0	28.6	20.4	23.2	3.9	22.0	26.0	23.8	27.6	24.0	28.0
10	29.2	20.0	21.0	28.4	20.0	22.6	4.5	22.0	29.2	23.4	28.0	24.0	27.6
11	29.8	20.2	22.0	28.0	20.2	22.4	4.6	21.2	29.0	22.4	28.0	23.0	27.2
12	28.6	19.0	22.0	27.8	20.6	22.0	4.5	20.0	28.0	21.2	27.6	22.4	27.0
13	30.0	20.2	24.2	28.2	22.0	22.0	4.7	21.2	30.2	22.2	29.2	24.2	29.0
14	29.6	19.8	22.0	28.2	20.4	21.8	4.6	22.2	30.4	23.0	30.0	24.0	29.6
15	30.0	19.2	24.2	29.0	22.2	22.6	4.8	21.2	32.0	22.0	31.2	23.4	30.0
16	30.8	19.8	23.0	29.0	22.2	22.4	4.9	22.0	31.2	23.0	30.0	24.0	29.8
17	30.2	19.0	22.8	29.8	21.0	22.8	4.9	22.4	33.0	23.0	32.0	24.0	31.0
18	31.0	20.2	24.0	29.2	21.8	23.0	4.9	23.0	32.0	24.5	31.6	25.0	31.2
19	31.2	20.4	24.0	30.0	23.0	23.4	4.9	22.2	32.0	23.2	31.4	23.2	31.0
20	32.2	20.8	24.0	29.4	22.8	22.6	5.1	22.4	34.2	23.2	33.0	24.0	32.0
21	31.8	20.0	24.0	29.0	22.4	21.8	5.1	22.4	31.2	23.0	30.0	24.2	29.2
22	30.4	19.0	23.0	28.8	21.2	24.0	4.9	21.0	30.0	22.4	29.2	22.8	28.0
23	29.4	20.2	22.2	28.0	20.2	23.6	4.4	21.0	31.0	22.2	30.2	23.0	30.0
24	29.2	19.0	22.4	27.8	20.0	23.4	4.5	20.0	30.0	21.2	29.8	21.8	29.0
25	29.0	18.8	22.2	28.0	20.0	21.8	4.5	20.0	29.2	21.2	29.0	22.0	28.0
26	28.2	18.0	22.8	28.8	21.0	23.0	4.4	20.2	29.0	21.0	28.6	22.0	28.0
27	29.6	19.2	22.0	28.0	20.0	22.8	4.6	20.2	31.2	21.2	30.0	23.0	29.0
28	29.8	19.8	22.0	28.2	20.8	23.4	4.5	21.2	30.2	22.0	29.2	24.0	29.0
29	28.4	20.2	22.2	29.0	20.4	23.4	4.0	20.0	31.2	21.2	30.2	23.0	28.0
30	29.6	20.6	23.6	30.0	21.6	24.2	4.3	20.2	33.0	21.6	32.0	22.0	30.2
Mean	29.4	19.6	22.4	28.1	20.9	22.6	4.5	21.1	30.2	22.3	29.5	23.3	28.7
Weekly Mean													
Std. Week No:36 (Sept. 3 - Sept. 9) No. of Days: 7													
Mean	28.5	19.5	21.5	26.8	20.3	22.0	4.4	20.8	28.6	22.2	28.3	23.0	27.7
Std. Week No:37 (Sept.10 - Sept.16) No. of Days: 7													
Mean	29.7	19.7	22.6	28.4	21.1	22.3	4.6	21.4	30.0	22.5	29.1	23.6	28.6
Std. Week No:38 (Sept.17 - Sept. 23) No. of Days: 7													
Mean	30.9	19.9	23.4	29.2	21.8	23.0	4.9	22.1	31.9	23.1	31.1	23.7	30.3
Std. Week No:39 (Sept. 24 - Sept.30) No. of Days: 7													
Mean	29.1	19.4	22.5	28.5	20.5	23.1	4.4	20.3	30.5	21.3	29.8	22.5	28.7

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month: September

Year : 2024

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. Pr. (mm) Hg.		Rel. Hum. %		Speed (Km/hr)	Direction			0700	0700			1400	0830	0830
	0700	1400	0700	1400	0700	0700	1400					
	LMT	LMT	LMT	LMT	LMT	LMT	LMT					
1	16.8	18.3	85	73	7.3	180	180	0.0	4	4	0	2.8
2	17.0	19.6	91	73	7.4	180	315	6.4	4	4	0	3.6
3	17.0	18.2	91	69	5.8	270	230	7.2	4	4	0	3.0
4	18.0	17.8	93	66	6.2	270	230	1.9	4	4	0	3.2
5	17.6	18.4	95	60	5.9	270	230	3.6	4	4	0	3.4
6	18.0	18.3	93	75	6.0	270	315	5.3	4	4	0	4.2
7	17.3	16.1	89	75	6.2	270	45	0.0	4	4	0	4.6
8	16.0	13.9	83	51	5.8	270	140	4.8	2	4	8.6	5.4
9	17.1	18.3	86	62	5.2	320	315	0.5	4	4	0	4.2
10	17.0	17.3	91	60	9.3	320	45	4.1	4	4	0	5.0
11	16.8	17.2	85	61	7.8	320	270	6.6	4	4	0.6	4.4
12	17.4	16.6	88	59	6.4	230	230	5.5	4	4	0	4.2
13	18.6	16.4	82	57	6.1	230	230	6.2	4	4	0	3.8
14	17.1	16.0	86	56	4.9	270	230	8.6	4	2	0	5.8
15	19.0	17.0	84	57	10.0	270	230	7.8	4	2	0	5.6
16	19.6	16.7	93	55	5.8	270	270	8.2	4	2	0	5.2
17	17.7	16.9	85	54	5.9	270	315	7.2	4	2	0	6.2
18	18.4	17.6	82	58	7.2	270	230	8.4	4	2	0	6.0
19	20.5	17.9	92	56	4.9	270	315	8.5	2	2	0	5.6
20	20.1	16.8	90	55	3.8	270	230	9.0	2	4	0	6.2
21	19.4	15.6	87	52	4.5	270	230	7.4	4	4	0	4.8
22	17.9	19.7	85	66	6.1	270	230	6.8	4	4	2.4	5.8
23	16.6	19.4	83	68	5.5	270	315	4.5	4	4	0	5.0
24	16.2	19.1	80	68	4.7	270	180	3.6	6	4	5	3.2
25	16.3	16.1	81	57	6.7	270	180	3.7	6	6	1.8	3.8
26	17.7	17.8	85	60	6.4	270	230	0.6	4	4	0	2.8
27	16.4	17.9	83	63	5.7	270	315	2.9	4	4	0	3.8
28	17.8	18.9	90	66	3.3	270	230	3.2	4	4	0	2.8
29	17.0	18.5	85	61	2.9	270	270	4.5	4	2	15.2	3.4
30	18.2	19.4	83	61	3.4	270	140	6.2	4	2	0	4.8
Mean	17.7	17.6	87	62	5.9	..	..	5.1	4	4	33.6	4.4
Weekly Mean												
Std. Week No:36 (Sept. 3 - Sept. 9) No. of Days: 7												
Mean	17.3	17.3	90	66	5.9	..	..	3.3	4	4	8.6	4.0
Std. Week No:37 (Sept.10 - Sept.16) No. of Days: 7												
Mean	17.9	16.7	87	58	7.2	..	..	6.7	4	3	0.6	4.9
Std. Week No:38 (Sept .17 - Sept. 23) No. of Days: 7												
Mean	18.7	17.7	86	58	5.4	..	..	7.4	3	0	39.6	5.7
Std. Week No:39 (Sept. 24 - Sept.30) No. of Days: 7												
Mean	17.1	18.3	84	62	4.7	..	..	3.5	5	4	22.0	3.5

Note: Rainfall is in Total