

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

PART- I

District : Bengaluru
State : Karnataka

Lat : 13° 05' N

Long : 77° 34' E

Month : October

Year : 2023

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	20 cm	20 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	30.0	19.8	22.0	24.8	20.0	18.6	4.6	21.0	28.6	22.6	28.0	23.0	27.0
2	29.0	19.2	23.4	24.4	22.2	19.2	4.4	22.0	29.0	23.0	28.0	24.0	27.0
3	30.4	21.0	21.8	28.0	19.8	23.8	4.4	21.0	29.2	22.4	28.4	23.0	26.0
4	28.2	19.4	21.8	27.6	20.0	22.4	4.1	22.0	31.2	23.0	30.0	24.0	29.0
5	30.0	20.2	23.2	29.0	21.0	22.4	4.4	21.0	32.0	22.4	31.0	23.0	30.0
6	29.8	20.0	23.0	28.4	22.0	22.4	4.4	22.0	31.0	23.0	30.8	23.2	30.0
7	30.2	20.4	23.0	27.2	21.8	21.0	4.4	21.0	32.0	22.4	30.0	23.0	29.0
8	29.6	19.8	22.2	28.2	20.2	22.0	4.4	21.6	29.8	22.0	28.0	22.8	27.0
9	30.2	20.4	22.4	28.8	20.4	23.4	4.4	21.0	30.0	23.0	29.6	24.0	29.0
10	29.0	18.0	23.2	30.2	21.0	24.4	4.5	20.0	30.2	21.2	29.4	21.6	28.4
11	31.2	21.0	23.0	27.8	21.8	23.2	4.6	21.0	30.4	22.4	29.0	23.0	28.8
12	30.0	21.2	23.2	28.2	22.0	22.6	4.2	21.2	32.0	22.0	31.4	22.8	30.0
13	31.0	19.8	23.4	29.4	22.0	21.6	4.7	21.0	33.0	22.4	32.0	22.8	29.2
14	30.0	19.2	23.0	28.0	21.8	22.6	4.5	22.0	33.0	23.0	32.0	24.0	31.0
15	31.0	19.8	23.4	28.0	22.0	22.4	4.6	22.4	34.0	23.0	33.0	24.0	32.0
16	31.0	21.2	23.4	28.4	21.2	22.6	4.4	21.0	33.0	22.0	32.2	23.0	31.0
17	29.8	20.2	23.0	28.8	21.8	21.6	4.2	20.0	35.0	21.2	34.4	22.0	33.0
18	30.4	18.8	22.0	28.4	21.6	21.2	4.6	21.0	33.6	22.0	32.4	22.8	30.0
19	30.0	18.2	22.4	29.0	21.2	20.8	4.6	21.2	33.0	22.2	32.6	23.0	31.0
20	29.8	18.0	22.0	29.2	19.6	21.6	4.5	20.0	32.8	21.0	32.4	22.2	30.8
21	30.0	19.2	23.0	28.0	21.6	22.6	4.4	21.0	31.0	22.0	30.0	22.8	29.8
22	30.2	20.0	23.0	29.2	21.8	21.6	4.3	22.0	32.0	23.0	31.0	23.2	30.0
23	29.4	18.0	23.4	28.4	22.0	21.2	4.4	21.0	33.0	22.2	31.4	23.0	29.6
24	29.8	19.0	22.0	28.0	20.0	21.6	4.3	20.0	33.4	22.0	30.6	23.0	29.2
25	30.0	19.6	23.2	29.0	21.6	22.0	4.3	21.0	33.0	22.4	32.0	23.2	30.2
26	30.2	18.0	23.0	29.0	22.0	20.6	4.5	20.0	33.0	21.2	32.2	22.6	31.0
27	31.6	19.0	23.2	28.0	21.6	20.0	4.7	21.0	32.0	22.2	30.0	23.0	29.0
28	31.2	19.0	23.0	28.0	20.4	21.6	4.6	20.0	30.0	21.2	29.0	22.2	28.2
29	30.6	19.8	22.0	28.0	21.4	21.0	4.3	21.0	31.0	22.0	30.0	23.0	29.0
30	30.0	19.2	22.0	26.8	21.0	20.6	4.3	21.2	31.2	22.4	30.4	23.6	30.0
31	30.2	18.0	22.0	26.4	20.6	22.2	4.5	20.0	30.0	21.2	29.8	21.8	29.0
Mean	30.1	19.5	22.7	28.1	21.2	21.8	4.4	21.0	31.7	22.2	30.7	23.0	29.5
Weekly mean													
Std. Week No: 40 (October 1- October 7) No. of Days: 7													
Mean	29.7	20.0	22.6	27.1	21.0	21.4	4.4	21.4	30.4	22.7	29.5	23.3	28.3
Std. Week No: 41 (October 8-October 14) No. of Days: 7													
Mean	30.1	19.9	22.9	28.7	21.3	22.8	4.4	21.1	31.2	22.3	30.2	23.0	29.1
Std. Week No: 42 (October 15 - October 21) No. of Days: 7													
Mean	30.3	19.3	22.7	28.5	21.3	21.8	4.5	20.9	33.2	22.1	32.4	22.8	31.1
Std. Week No:43 (October 22 - October 28) No. of Days: 7													
Mean	30.3	18.9	23.0	28.5	21.3	21.2	4.5	20.7	32.3	21.9	30.9	22.9	29.6

Time of Observation:

Month : October

I---> 0700 Hours LMT = 0720 IST

Year : 2023

II---> 1400 Hours LMT = 1420 IST

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. (mm)	Pr. Hg.	Rel. Hum. %		Speed (Km/hr)	Direction			0700	1400			0830	0830
	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	16.4	12.7	83	54	7.7	230	230	5.6	4.0	2.0	1.4	3.0
2	19.4	13.8	90	60	7.7	230	230	8.5	4.0	2.0	0.0	4.6
3	16.2	19.8	83	70	9.4	230	230	5.8	2.0	4.0	0.0	4.0
4	16.5	17.4	84	63	8.2	230	320	8.6	2.0	4.0	0.0	4.8
5	17.4	16.7	82	55	4.8	230	320	6.6	2.0	2.0	1.2	4.2
6	19.3	17.0	91	59	2.5	230	320	6.0	2.0	4.0	0.0	3.8
7	18.9	15.2	90	56	2.3	230	230	4.8	4.0	4.0	0.0	4.2
8	16.6	16.4	83	57	2.5	230	320	3.1	4.0	2.0	0.0	4.2
9	16.9	18.6	83	63	1.7	230	320	3.4	2.0	4.0	22.8	3.0
10	17.4	19.7	82	61	2.7	230	320	4.0	4.0	2.0	42.2	2.8
11	18.9	18.8	90	67	2.2	230	320	5.0	4.0	2.0	0.0	4.0
12	19.2	17.5	90	61	1.1	90	140	3.2	2.0	2.0	0.0	3.6
13	19.1	15.0	88	49	2.1	90	45	6.0	2.0	2.0	0.0	3.8
14	18.9	17.6	90	62	4.1	90	90	9.2	2.0	2.0	0.0	5.0
15	19.1	17.2	88	61	2.1	90	140	9.5	2.0	2.0	0.0	4.2
16	17.7	17.3	82	60	2.7	140	140	8.1	2.0	2.0	0.0	4.2
17	18.9	15.4	90	52	4.8	140	45	8.0	2.0	2.0	0.0	3.8
18	19.1	14.9	96	51	3.7	140	45	7.4	2.0	2.0	0.0	3.6
19	18.2	13.9	90	46	4.2	140	90	9.4	2.0	2.0	0.0	4.8
20	15.8	15.1	80	50	4.1	140	45	7.6	2.0	2.0	0.0	5.4
21	18.6	17.6	88	62	4.3	140	45	8.4	2.0	2.0	0.0	5.0
22	18.9	15.1	90	50	4.0	140	90	8.2	2.0	2.0	0.0	4.0
23	19.1	14.9	88	51	3.4	140	45	8.8	2.0	2.0	0.0	4.4
24	16.4	15.8	83	56	2.1	140	270	10.2	2.0	2.0	0.0	3.2
25	18.5	15.9	87	53	1.4	140	45	9.5	2.0	2.0	0.0	5.0
26	19.3	13.5	91	45	3.0	140	140	10.4	2.0	2.0	0.0	4.8
27	18.5	13.1	87	46	2.7	140	45	9.4	2.0	2.0	0.0	5.2
28	16.5	15.8	78	56	2.8	140	90	9.8	2.0	2.0	0.0	5.4
29	18.8	14.8	95	52	2.6	90	230	10.0	2.0	2.0	0.0	4.8
30	18.1	14.8	91	56	4.5	140	140	7.4	2.0	2.0	0.0	4.2
31	17.4	17.7	88	69	9.0	140	45	5.4	2.0	2.0	0.0	5.0
Mean	18.1	16.1	87	57	3.9	..	..	7.3	2	2	67.6	4.3
Weekly mean												
Std. Week No: 40 (October 1- October 7) No. of Days: 7												
Mean	17.7	16.1	86	60	6.1	...	...	6.6	3	3	2.6	4.1
Std. Week No: 41 (October 8-October 14) No. of Days: 7												
Mean	18.1	17.6	86	60	2.3	...	...	4.8	3	2	65.0	3.9
Std. Week No: 42 (October 15 - October 21) No. of Days: 7												
Mean	18.2	15.9	88	54	4.0	...	...	8.3	2	2	0.0	4.3
Std. Week No:43 (October 22 - October 28) No. of Days: 7												
Mean	18.2	14.9	86	51	2.6	...	...	9.5	2	2	0.0	4.9