

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

District : Bengaluru
 State : Karnataka

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

Month : October
 Year : 2022

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	1400
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	25.0	17.0	19.8	24.8	19.6	20.8	3.7	22.0	29.6	22.2	28.4	23.0	27.6
2	24.8	16.4	19.8	26.0	19.2	20.6	3.7	21.6	28.0	22.2	26.8	22.8	26.6
3	26.2	16.6	21.4	26.2	20.0	21.6	4.0	21.6	29.6	22.0	27.8	23.2	27.0
4	26.4	16.4	22.2	26.4	21.0	21.4	4.1	21.4	28.8	22.4	27.4	23.6	27.0
5	27.0	17.0	21.6	26.8	20.4	21.4	4.1	22.0	27.8	22.8	26.6	23.4	26.4
6	27.2	18.0	21.8	26.0	20.8	21.0	4.0	21.8	28.4	22.0	27.0	22.8	26.8
7	26.4	17.6	21.4	26.6	20.2	21.4	3.9	21.6	30.0	22.4	28.8	23.0	28.0
8	26.8	17.0	21.4	26.4	20.8	21.2	4.1	21.4	28.4	22.0	27.6	22.4	27.8
9	26.6	17.6	21.4	26.0	20.8	21.4	3.9	21.6	28.8	22.0	27.6	23.4	27.0
10	26.0	18.4	22.0	26.4	20.8	21.2	3.6	21.2	27.8	22.0	27.0	23.2	26.8
11	27.0	17.6	22.0	25.0	20.6	21.4	4.0	21.6	26.2	22.4	26.0	23.0	24.8
12	25.2	18.4	21.8	26.8	20.8	21.6	3.3	21.4	27.0	22.0	26.6	22.4	26.0
13	27.2	18.2	22.4	27.0	21.2	21.4	3.9	21.0	28.0	22.0	27.0	22.2	26.4
14	28.4	17.0	22.4	26.8	21.0	21.4	4.4	20.8	27.0	21.8	26.6	22.4	26.0
15	27.2	18.2	22.4	27.6	21.0	21.6	3.9	20.6	27.4	21.6	26.8	22.0	26.4
16	28.2	18.0	21.8	26.8	20.6	21.4	4.2	21.2	27.4	22.6	26.4	22.4	26.2
17	27.6	18.4	22.4	27.0	21.2	21.6	3.9	21.0	27.2	21.8	26.8	22.4	26.6
18	27.2	17.8	21.8	27.8	20.8	21.8	3.9	21.0	27.0	21.6	26.8	21.8	26.6
19	28.2	18.0	21.6	27.2	20.6	21.6	4.1	21.2	28.2	22.0	26.8	22.0	26.2
20	27.6	17.8	21.4	27.0	20.8	21.4	4.0	21.4	27.8	22.0	26.8	23.0	26.0
21	27.8	17.8	21.4	26.0	20.8	21.0	4.0	21.6	28.0	21.8	27.6	22.0	27.0
22	26.4	17.0	22.0	27.0	20.6	21.0	3.8	21.8	30.6	21.8	29.4	22.8	28.8
23	27.2	14.8	20.4	27.0	19.0	20.8	4.2	21.0	30.0	21.8	28.8	22.4	28.0
24	27.4	15.6	21.6	27.8	20.0	21.2	4.2	21.0	29.8	22.6	28.6	23.0	28.0
25	29.8	14.4	22.4	27.4	21.0	21.2	4.8	20.6	33.0	21.8	32.6	22.0	32.2
26	28.4	16.0	22.6	27.4	20.6	21.4	4.3	21.4	36.0	22.0	34.8	22.8	33.8
27	27.8	13.0	21.2	26.8	20.6	21.2	4.5	21.6	34.2	21.8	32.6	22.4	31.4
28	27.2	16.2	20.8	26.2	19.6	21.0	4.0	21.4	35.6	22.0	34.6	22.2	31.8
29	26.6	16.8	21.4	26.0	20.0	19.8	3.8	21.6	34.0	22.0	33.0	22.8	31.0
30	26.2	16.4	20.4	26.4	19.0	20.6	3.7	21.8	34.0	21.8	33.2	22.6	31.6
31	26.8	16.0	21.0	27.0	19.6	21.2	3.9	21.6	33.0	22.0	31.6	22.8	30.0
Mean	27.0	16.9	21.5	26.6	20.4	21.2	4.0	21.4	29.6	22.0	28.7	22.7	27.9
Weekly mean													
Std. Week No: 40 (October 1- October 7) No. of Days: 7													
Mean	26.1	17.0	21.1	26.1	20.2	21.2	3.9	21.7	28.9	22.3	27.5	23.1	27.1
Std. Week No: 41 (October 8-October 14) No. of Days: 7													
Mean	26.7	17.7	21.9	26.3	20.9	21.4	3.9	21.3	27.6	22.0	26.9	22.7	26.4
Std. Week No: 42 (October 15 - October 21) No. of Days: 7													
Mean	27.7	18.0	21.8	27.1	20.8	21.5	4.0	21.1	27.6	21.9	26.9	22.2	26.4
Std. Week No:43 (October 22 - October 28) No. of Days: 7													
Mean	27.7	15.3	21.6	27.1	20.2	21.1	4.3	21.3	32.7	22.0	31.6	22.5	30.6

PART- II

Time of Observation:

Month : October

I---> 0700 Hours LMT = 0720 IST

Year : 2022

II---> 1400 Hours LMT = 1420 IST

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	LMT			LMT	LMT				IST	IST
1	17.0	16.2	98	69	4.4	230	230	0.0	8	3	26.4	2.4
2	16.4	15.2	94	60	3.6	230	230	0.1	6	3	6.0	3.2
3	16.8	16.8	88	66	4.5	230	230	3.1	4	3	0.0	3.2
4	18.0	16.3	90	63	3.2	230	230	0.0	4	3	0.0	3.0
5	17.3	16.1	89	61	4.0	230	230	4.5	6	3	0.0	3.4
6	17.9	15.9	91	63	4.3	270	270	0.9	6	3	0.0	3.2
7	17.1	16.2	89	62	4.6	270	270	0.9	3	3	0.0	3.4
8	18.1	16.0	95	62	3.2	230	230	5.7	3	3	21.2	2.8
9	18.1	16.6	95	66	2.4	230	230	1.8	6	3	0.0	3.0
10	17.8	16.0	90	62	2.7	230	230	0.1	4	3	2.0	3.0
11	17.4	17.1	88	72	1.1	90	230	0.8	4	3	71.2	2.6
12	17.9	16.5	91	62	3.7	230	45	4.4	4	3	3.0	2.8
13	18.2	16.0	90	60	2.6	45	230	3.0	3	3	1.2	3.2
14	17.9	16.1	88	61	3.2	230	230	6.1	6	3	60.0	2.4
15	17.9	16.0	88	58	2.4	315	230	3.4	6	4	56.2	3.2
16	17.5	16.1	90	61	3.4	230	230	6.8	6	4	9.0	3.6
17	18.2	16.4	90	61	3.1	45	230	3.7	6	4	44.0	3.0
18	17.9	16.3	91	58	2.4	230	230	4.9	6	3	4.0	2.6
19	17.6	16.2	91	60	1.8	320	230	3.9	4	3	22.2	2.8
20	18.1	16.0	95	60	2.8	230	230	6.8	6	3	20.0	2.8
21	18.1	15.9	95	63	3.2	45	45	7.8	4	3	2.2	3.0
22	17.4	15.3	88	57	3.8	45	45	6.9	0	2	0.0	3.6
23	15.7	15.0	87	56	4.3	45	45	6.6	0	4	0.0	4.2
24	16.7	15.2	86	54	3.9	45	45	9.4	0	2	0.0	4.0
25	17.9	15.4	88	56	3.8	45	45	9.8	0	2	0.0	4.2
26	17.1	15.8	83	58	2.4	45	45	9.8	0	2	0.0	4.2
27	17.9	15.8	95	60	1.9	45	45	9.2	0	2	0.0	4.4
28	16.4	15.8	89	62	2.7	90	45	9.3	0	2	0.0	4.0
29	16.8	13.9	88	55	7.7	45	45	6.1	0	3	0.0	3.8
30	15.7	15.0	87	58	6.0	45	45	2.7	8	2	12.4	3.2
31	16.3	15.7	88	59	5.6	45	45	8.6	0	3	0.0	3.6
Mean	17.4	15.9	90	61	3.5	..	..	4.7	4	3	361.0	3.3
Weekly mean												
Std. Week No: 40 (October 1- October 7) No. of Days: 7												
Mean	17.2	16.1	91	64	4.1	...	...	1.4	5	3	32.4	3.1
Std. Week No: 41 (October 8-October 14) No. of Days: 7												
Mean	17.9	16.3	91	64	2.6	...	...	3.1	4	3	158.6	3.0
Std. Week No: 42 (October 15 - October 21) No. of Days: 7												
Mean	17.9	16.1	91	60	2.9	...	...	5.3	5	3	157.6	3.3
Std. Week No:43 (October 22 - October 28) No. of Days: 7												
Mean	17.0	15.5	88	58	3.8	...	...	8.7	0	2	0.0	4.0