

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 : 2024

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	20.2	24.0	30.2	21.8	24.0	4.5	22.0	33.0	23.0	32.6	24.0	32.0	
2	31.2	20.8	24.0	29.0	22.4	22.4	4.7	23.2	34.0	24.0	33.0	24.2	32.0	
3	31.8	20.6	22.8	24.8	21.0	22.2	4.9	21.0	29.2	21.8	28.2	22.2	28.0	
4	28.2	18.0	22.8	25.2	21.8	22.4	4.3	20.0	30.0	21.0	29.6	22.4	29.0	
5	29.0	18.2	22.0	28.4	20.8	23.6	4.5	20.2	31.2	21.2	30.2	22.4	29.0	
6	29.2	19.6	21.8	28.0	21.2	20.8	4.3	20.0	30.2	21.2	29.0	22.6	28.0	
7	29.8	19.0	22.0	28.2	21.2	22.2	4.5	20.2	31.2	21.4	30.0	22.0	29.0	
8	30.0	19.8	23.0	28.0	22.2	23.4	4.5	20.0	32.0	21.2	31.4	22.4	31.0	
9	31.0	20.2	23.0	27.8	20.8	23.0	4.7	20.2	32.0	21.2	31.0	21.8	30.0	
10	30.0	19.2	22.2	28.8	21.0	23.4	4.5	21.2	32.0	22.2	31.6	23.4	31.0	
11	29.0	18.2	24.0	26.0	22.0	20.8	4.4	20.0	30.0	21.2	29.2	22.2	29.0	
12	27.8	20.8	23.4	27.0	20.8	20.2	3.6	20.2	29.2	21.2	28.0	23.0	27.8	
13	28.0	20.2	22.8	25.8	21.8	20.8	3.8	20.0	28.0	21.6	27.8	21.8	27.0	
14	29.6	20.6	22.6	25.8	20.8	21.8	4.1	20.0	29.0	20.8	28.2	21.0	28.0	
15	26.0	18.2	22.0	20.4	21.4	20.2	3.6	20.0	23.0	20.8	22.4	21.0	21.8	
16	24.0	17.0	20.0	22.0	19.0	20.8	3.2	17.0	24.0	18.0	23.0	19.0	22.8	
17	24.2	17.4	23.2	25.0	22.2	20.2	3.2	18.0	25.0	19.2	24.2	20.0	24.0	
18	27.2	18.0	23.0	26.8	21.8	20.2	3.9	20.0	24.0	21.2	23.0	21.8	22.6	
19	28.2	20.4	21.6	22.8	21.2	21.8	3.7	22.0	25.0	23.0	24.2	24.2	24.0	
20	28.2	20.2	21.8	25.8	21.2	22.2	3.7	21.0	24.2	22.4	23.0	23.0	22.8	
21	26.2	18.0	23.0	26.0	22.2	21.2	3.6	20.0	25.0	21.0	24.0	21.8	23.6	
22	28.0	18.4	22.8	26.0	21.0	23.0	4.0	19.0	28.0	20.0	27.4	20.8	27.0	
23	27.4	18.0	22.0	27.0	20.0	21.0	3.9	20.0	29.0	21.2	28.0	21.6	27.2	
24	29.4	19.2	23.2	26.2	21.8	22.8	4.2	19.0	28.0	20.2	26.8	21.2	26.0	
25	27.2	18.0	22.0	27.6	21.2	21.8	3.8	20.0	29.0	21.2	28.0	22.2	27.2	
26	28.2	18.2	22.8	27.0	21.6	21.0	4.0	21.2	29.8	21.8	29.0	22.0	28.8	
27	29.0	18.8	22.8	26.0	21.8	22.2	4.1	20.0	30.0	21.2	29.2	22.8	29.0	
28	27.8	18.0	22.0	28.2	20.8	21.8	3.9	20.2	31.2	21.4	30.0	22.0	29.2	
29	30.0	19.2	23.0	29.0	20.8	23.4	4.3	20.2	30.8	21.0	29.6	23.4	29.0	
30	30.2	20.0	23.8	29.6	21.8	23.2	4.2	20.0	31.0	21.0	29.8	21.8	29.2	
31	31.6	20.8	21.0	28.4	20.4	23.0	4.4	20.0	30.6	22.0	29.6	22.8	29.0	
Mean	28.6	19.1	22.6	26.7	21.3	22.0	4.1	20.2	29.0	21.3	28.1	22.2	27.5	
Weekly mean														
Std. Week No: 40 (October 1- October 7) No. of Days: 7														
Mean	29.9	19.5	22.8	27.7	21.5	22.5	4.5	20.9	31.3	21.9	30.4	22.8	29.6	
Std. Week No: 41 (October 8-October 14) No. of Days: 7														
Mean	29.3	19.9	23.0	27.0	21.3	21.9	4.2	20.2	30.3	21.3	29.6	22.2	29.1	
Std. Week No: 42 (October 15 - October 21) No. of Days: 7														
Mean	26.3	18.5	22.1	24.1	21.3	20.9	3.6	19.7	24.3	20.4	23.4	21.5	23.1	
Std. Week No:43 (October 22 - October 28) No. of Days: 7														
Mean	28.1	18.4	22.5	26.9	21.2	21.9	4.0	19.9	29.3	21.2	28.3	21.8	27.8	

PART- II

Time of Observation:

Month: October

I---> 0700 Hours LMT = 0720 IST

Year: 2024

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	0700	1400	0700	0700	1400	0700	0700	1400	0830	0830
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST
1	18.4	18.9	82	59	2.0	140	140	7.9	4	4	0.0	5.6
2	19.4	16.7	87	55	2.2	140	140	8.4	4	4	0.0	4.4
3	17.7	18.6	85	79	3.6	140	230	8.9	4	6	43.8	3.0
4	19.0	18.8	91	78	3.2	230	320	3.1	4	6	0.0	3.8
5	17.8	19.2	90	66	3.7	270	270	2.2	6	6	6.0	2.4
6	18.5	14.4	95	51	3.0	230	230	5.1	8	6	63.6	3.2
7	18.4	16.7	93	58	2.0	140	90	5.5	4	4	0.0	3.8
8	19.6	19.0	93	67	6.2	90	140	4.2	2	4	0.0	4.6
9	17.2	18.4	82	66	5.2	140	140	5.8	2	4	0.0	4.8
10	18.0	18.6	90	63	5.5	140	140	6.8	4	4	0.0	5.2
11	18.7	15.5	84	62	2.6	140	140	2.1	4	4	14.4	3.0
12	17.0	14.0	79	52	5.2	140	140	3.9	4	6	0.0	3.4
13	19.0	15.7	91	63	4.6	140	140	3.0	4	4	5.8	3.0
14	17.4	17.4	85	70	3.7	140	140	1.0	8	8	4.0	3.2
15	18.8	17.6	95	98	2.2	140	230	0.0	8	8	12.4	2.2
16	15.9	17.8	91	90	2.4	230	315	0.0	8	8	102.0	1.0
17	19.5	15.1	92	64	2.5	230	230	0.0	8	4	9.2	2.4
18	18.9	14.1	90	53	1.0	230	320	1.2	4	4	0.0	3.6
19	18.7	19.0	96	91	2.3	230	90	3.2	8	6	11.0	3.0
20	18.5	18.1	95	73	2.1	90	90	2.8	8	4	40.4	2.4
21	19.6	16.2	93	64	3.0	90	90	4.5	8	4	21.2	3.2
22	17.7	19.4	85	77	3.3	90	45	0.8	4	8	186.2	1.2
23	16.4	15.3	83	57	2.0	90	45	5.2	6	6	7.2	3.0
24	18.8	18.9	88	74	2.1	90	180	6.9	6	4	54.2	3.2
25	18.4	16.4	93	59	0.5	270	45	0.8	6	4	0.0	3.4
26	18.7	15.3	90	57	1.0	270	45	6.9	4	4	0.0	3.6
27	19.0	18.0	91	71	2.4	270	45	7.8	4	4	0.0	4.0
28	17.8	16.0	90	56	1.7	270	45	5.5	4	4	0.0	4.2
29	17.2	18.5	82	61	1.3	270	45	9.0	4	4	0.0	4.4
30	18.5	17.8	84	57	1.5	270	230	7.8	4	4	0.0	4.2
31	17.6	18.1	95	62	1.0	90	230	3.3	4	4	4.0	4.6
Mean	18.3	17.2	89	66	2.7	..	..	4.3	5	5	585.4	3.5
Weekly mean												
Std. Week No: 40 (October 1- October 7) No. of Days: 7												
Mean	18.5	17.6	89	64	2.8	...	...	5.9	5	5	113.4	3.7
Std. Week No: 41 (October 8-October 14) No. of Days: 7												
Mean	18.1	16.9	86	63	4.1	...	...	3.8	4	5	24.2	3.3
Std. Week No: 42 (October 15 - October 21) No. of Days: 7												
Mean	18.6	16.8	93	76	2.4	...	...	1.7	7	5	196.2	2.8
Std. Week No:43 (October 22 - October 28) No. of Days: 7												
Mean	18.1	17.0	89	65	1.6	...	...	4.8	5	5	247.6	4.0