

Supplementary Table 1. Meteorological data recorded during the period of study (2024-2025) from Agro-climate Research Centre, Tamil Nadu Agricultural University, Coimbatore

Month	Relative humidity (%)	Precipitation (mm)	Temperature (°C)		Mean temperature (°C)	Sunshine (hr)
			t _{max}	t _{min}		
2024						
January	71.19	2.32	27.9	19.3	23.3	7.21
February	55.25	0.32	31.5	20.3	25.8	9.42
March	47.62	0.20	34.4	22.2	28.1	10.14
April	52.55	0.73	36.2	23.8	29.5	10.19
May	79.24	11.33	30.4	23.3	26.3	5.13
June	87.7	9.36	27.1	22.1	24.1	4.15
July	88.08	11.19	26.4	21.6	23.4	3.31
August	86.01	5.33	27.2	21.5	23.8	4.07
September	81.03	2.57	28.1	21.3	24.1	6.48
October	85.5	7.09	27.4	21	23.6	4.51
November	80.39	3.27	26.7	20.1	23.1	5.02
December	77.99	3.16	26.9	19.2	22.9	6.39
Average	74.38	4.74	29.18	21.31	24.83	6.34