



# Tamil Nadu Agricultural University

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India Meteorological Department

Agromet Advisory Bulletin for the Erode District

Bulletin No.085/2022 Issued on 25.10.2022

(From 26<sup>th</sup> October 2022 to 30<sup>th</sup> October 2022)

Issued jointly by Agro Climate Research Centre, TNAU and IMD



## Past Weather for Tamil Nadu District

Weather Summary for the period since the issue of last bulletin 084 (21.10.2022) for Tamil Nadu. Maximum temperature ranged from 30°C to 34°C and minimum temperature ranged from 21°C to 26°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged from 16°C to 20°C and minimum temperature ranged from 9°C to 11°C. During this period isolated rainfall was recorded in Tamil Nadu.

## Erode District Past Weather

In Erode district, during 21.10.22 to 24.10.22 the Maximum temperature was recorded as 31°C to 33°C and the minimum temperature was 21°C to 23°C. The Morning relative humidity recorded was 90 per cent and evening relative humidity was 45 per cent. The average wind speed recorded was 3-11 km per hour and the wind direction were from South West direction.

## Weather Summary for Erode district

Past week Summary 21.10.2022 to 24.10.2022)				Date	Ensemble weather forecast valid until 08.30 hrs of 30.10.2022				
Day-1 21/10	Day-2 22/10	Day-3 23/10	Day-4 24/10		Day-1 26/10	Day-2 27/10	Day-3 28/10	Day-4 29/10	Day-5 30/10
35.8	12.7	2.7	0.0	Rainfall	0	0	0	6	10
32	31	32	33	Max. Temp. (°C)	33	33	31	30	30
21	22	23	23	Mini. Temp. (°C)	19	18	18	19	19
7	6	6	6	Cloud cover (Octa)	3	3	4	6	6
90	74	84	85	RH morning (%)	70	70	70	80	85
74	45	69	67	RH evening (%)	50	55	55	70	70
3	8	11	7	Wind (kmph)	4	4	4	4	4
90	90	230	200	Wind Direction	340	340	340	50	70

## Weather forecast for next five days: (26.10.2022 30.10.2022)

According to district forecast issued by the India Meteorological Department for Erode district, sky will be mostly cloudy. Light rainfall is expected on 29.10.22 & 30.10.22. Maximum temperature is expected to be around 30°C to 33°C. Minimum temperature is expected to be around 18°C to 19°C. Morning relative humidity is expected to be around 85 per cent and evening relative humidity is expected to be around 50 per cent. Average wind speed is expected to be around 4 km per hour and the wind direction will be from South West direction.

Erode District Block Wise Rainfall(mm) for next five days														
Date	Ammapet	Anthiyur	Bhavani	Bhavanisagar	Chenimalai	Erode	Gopi	Kodumudi	Modakurichi	Nambiyur	Perundurair	Sathyamangalam	Talavadai	TN Palayam
26-10-2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27-10-2022	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28-10-2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
29-10-2022	0.0	1.7	0.0	0.0	0.7	0.0	0.5	0.0	0.0	0.5	0.4	0.3	6.1	2.0
30-10-2022	6.6	4.8	3.4	0.0	6.6	4.1	2.6	1.3	2.6	3.6	7.8	0.0	4.5	2.1

### Agro Advisory

Crop	Stage	Advisory
General		Dry days or drizzling alone expected with wind speed of 4 - 6 km/hr is expected in western zone during next five days. Irrigation may be provided based on soil moisture. Fertilizer application and pesticide spraying may be done during non rainy hours.
Rice	Vegetative	Yellow stem borer incidence and leaf folder damage are observed in western ghat districts. Spray Fipronil 80% WG 50 g/ha is recommended for the management of both pests.  Prevailing high relative humidity is favourable for bacterial leaf blight in rice. Application of copper hydroxide 77 WP @ 1.25 kg/ha or streptomycin sulphate + tetracycline combination @ 300 g + copper oxychloride @ 1.25 kg/ha should be carried out.  Present Samba rice is at tillering stage, hence apply 38 Kg N / ha as top dressing.
Maize	Vegetative	By utilizing the rainfall top dressing of 68 kg nitrogen/ ha can be done in irrigated maize of 25 days old.
Pulses	Vegetative	Standing green gram and black gram under irrigated condition would grow with tendrils as a result of excess soil moisture. Clip the tendrils or top the crop.

Cotton	Vegetative and flowering	Cotton may get affected with reddening disease due to continuous rainfall till last week. By utilizing the dry spell, spray mixed solution of 5% Magnesium sulphate + urea 1% + zinc sulphate 0.1% at 50 <sup>th</sup> and 80 <sup>th</sup> days of sowing.  Considering the dry weather, apply 40 Kg N + 40Kg K <sub>2</sub> O/ha for irrigated winter Combodia cotton followed by earthing up.
Gourds	Flowering	Prevailing continues rainfall is also favourable for the vegetative growth in gourds at the time flowering. Hence to get more flowers and fruit set application of ethrel @ 100ppm for all gourds expect ribbed gourd where 200ppm is recommended. Two spray may be scheduled at week interval.
Mango		Due to continuous rain till last week, mango tree may put higher vegetative growth and hence spray 1% Potassium nitrate or Paclobutrazol @10gm a. i per tree
Banana		Due to past weather, there is incidence of Sigatoka leaf spot disease in banana. Spray either Carbendazin @ 1 g/lit or Manocozeb @ 2g/lit along with teepol @ 0.5 ml after thorough mixing.
Turmeric		Prevailing weather condition is also favourable for blotch disease in turmeric. Hence farmers are requested to monitor the crop carefully & if necessary, spray Azoxystropin @ 1ml / liter of water.
Animal		The chance of occurrence of foot and mouth disease in cattle during rainy season is more and therefore vaccination against the disease is warranted.  Prevent animal from drinking of stagnated rain water against food contamination. Provide clean and good drinking water to animals.

### SMS advisory

- Higher vegetative growth in mango due to continuous rain till last week may be arrested by spraying 1% Potassium nitrate.

**Professor and Head  
Principal Nodal Officer (GKMS)  
Agro Climate Research Centre**