



Tamil Nadu Agricultural University

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India Meteorological Department

Agromet Advisory Bulletin for the Erode District

Bulletin No.022/2024 Issued on 15.03.2024

(From 16th March 2024 to 20th March 2024)

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 021 (12.03.2024) for Tamil Nadu. Maximum temperature ranged from 33°C to 39°C and minimum temperature ranged from 23°C to 27°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged from 21°C to 25°C and minimum temperature ranged from 11°C to 12°C. During this period no rainfall was recorded in Tamil Nadu.

Erode District Past Weather

In Erode district, during 12.03.2024 to 14.03.2024 the Maximum temperature was recorded was 36°C to 38°C and the minimum temperature was 23°C to 25°C. The morning relative humidity recorded was 81 per cent and evening relative humidity was 29 per cent. The average wind speed recorded was 8-13 km per hour and the wind direction were from East direction.

Weather Summary for Erode district

| Past week Summary (12.03.2024 to 14.03.2024) | | | Ensemble weather forecast valid until 08.30 hrs of 20.03.2024 | | | | | |
|---|----------------|----------------|--|----------------|----------------|----------------|----------------|----------------|
| Day-1 12/03 | Day-2 13/03 | Day-3 14/03 | Date | Day-1 16/03 | Day-2 17/03 | Day-3 18/03 | Day-4 19/03 | Day-5 20/03 |
| 0.0 | 0.0 | 0.0 | Rainfall | 0 | 0 | 0 | 0 | 0 |
| 36 | 36 | 38 | Max. Temp. (°C) | 37 | 38 | 37 | 38 | 38 |
| 23 | 23 | 25 | Mini. Temp. (°C) | 25 | 24 | 25 | 26 | 26 |
| 3 | 3 | 4 | Cloud cover (Octa) | 0 | 0 | 0 | 0 | 0 |
| 74 | 75 | 81 | RH morning (%) | 70 | 60 | 70 | 70 | 70 |
| 32 | 29 | 46 | RH evening (%) | 20 | 20 | 20 | 20 | 20 |
| 11 | 8 | 13 | Wind (kmph) | 10 | 10 | 8 | 8 | 8 |
| 90 | 90 | 200 | Wind Direction | 110 | 140 | 140 | 140 | 140 |

Weather forecast for next five days: (16.03.2024 to 20.03.2024)

According to district forecast issued by the India Meteorological Department for Erode district, sky will be clear. Dry weather is expected on next 5 days. Maximum temperature is expected to be around 37°C to 38°C. Minimum temperature is expected to be around 24°C to 26°C. Morning relative humidity is expected to be around 70 per cent and evening relative humidity is expected to be around 20 per cent. Average wind speed is expected to be around 8-10 km per hour and the wind direction will be from South East direction.

| Erode District Block Wise Rainfall(mm) for next five days | | | | | | | | | | | | | | |
|---|---------|----------|---------|--------------|------------|-------|------|----------|-------------|----------|------------|----------------|----------|------------|
| Date | Ammapet | Anthiyur | Bhavani | Bhavanisagar | Chenimalai | Erode | Gopi | Kodumudi | Modakurichi | Nambiyur | Perundurai | Sathyamangalam | Talavada | TN Palayam |
| 16-03-2024 | 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 |
| 17-03-2024 | 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 |
| 18-03-2024 | 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 |
| 19-03-2024 | 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 |
| 20-03-2024 | 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 |

Agro Advisory

| Crop | Stage | Advisory |
|------------|------------|---|
| General | | <p>Dry days with clear sky is expected during next week with wind speed of 8-12 km/hr in western zone districts.</p> <p>The temperature may be increased 1°C from the normal.</p> <p>Irrigation may be done based on soil moisture and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture.</p> <p>In case of limited irrigation water, dust mulch (top layer to a depth of 2-3cm may be stirred well) to avoid moisture stress condition.</p> |
| Sesamum | Vegetative | Prevailing high temperature is favourable for the sucking pest incidence in sesame hence farmers are request to monitor the field, if necessary spray 5% Neem Seed extract or neem based insecticides. |
| Sugarcane | Vegetative | Since higher temperature associated with low humidity is favourable for the early shoot borer incidence in sugarcane and hence farmers are requested to do frequent irrigation to keep the field under moist condition. |
| Vegetables | Vegetative | Since temperature starts increasing sucking pest like leaf minor, jassids may be increases. Hence spray 5% neem seed kernel extract as prophylactic spray or Imidacloprid 17.8 SL @ 0.3ml/lit. |

| | | |
|------------------|-----------|---|
| Moringa | Flowering | The prevailing weather condition is favorable for fruit fly incidence in drumstick may be increasing and neem oil spray is recommended to control the above pest. |
| Banana | | Provide support to banana above 5 months old as wind speed is around 8 – 10 kmph. Under extreme fluctuation of relative humidity between morning and evening, heart rot disease in banana may come and also seen in some places. To control this disease, pour a mixture of 20 g of bleaching powder dissolved in one litre of water followed by another dose ten days later. Enough soil moisture must be available for this soil application of chemicals. Sow the green manure seeds around the plant. |
| Coconut | | Attack of rhinoceros beetle is being observed in coconut. To avoid the above pest, remove the tree top debris and keep the naphthalene balls @ 3 to 4 number per tree along with sand. The presence of slug caterpillar infestation is noticed in coconut farms. Monitor for the pest infestation and place phorate 10 G 5g in perforated sachets in two inner most leaf axis for 2 times at 6 months interval. |
| Fodder | | Cultivate fodder sorghum / Cumbu Napier hybrid grass under irrigated condition to meet the summer green fodder requirement of milch animal during the summer to sustain milk productivity. |
| Animal Husbandry | | Since the day temperature found increasing with decreasing relative humidity, provide enough clean water to both animals and poultry. Hang wet gunny bags around the animal shed to reduce the temperature. Do not allow animals for grazing during mid day. Considering the increasing temperature, artificial insemination to milch animals can be given between 7.00 to 10.00 AM Vaccination against Peste des petits ruminants (Aattu kollai noi) may be done in the nearby veterinary hospital. |

SMS advisory

- Considering the increasing temperature, sucking pest like leaf minor, jassids may increase. Hence spray 5% neem seed kernel extract as prophylactic spray.

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