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| **Description: A close up of a sign  Description automatically generated** | **Tamil Nadu Agricultural University**  **&**  **India Meteorological Department**  **Agromet Advisory Bulletin for the Erode District** Bulletin No.102/2024 Issued on 20.12.2024(From 21th December 2024 to 25th December 2024) **Issued jointly by Agro Climate Research Centre, TNAU** | C:\Users\lenovo\Desktop\TNAU_Golden_Jubilee_Logo .jpg |

**Past Weather for Tamil Nadu District**

Weather Summary for the period since the issue of last bulletin 101 (17.12.2024) for Tamil Nadu. Maximum temperature ranged from 25°C to 35°C and minimum temperature ranged from 18h uary °C to 28°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged from 20oC to 25oC and minimum temperature ranged from 08°C to 10°C. During this period occurred rainfall was recorded in Tamil Nadu.

**Erode District Past Weather**

In Erode district, during 17.12.2024 to 19.12.2024 the Maximum temperature was recorded 29°C to 33°C the minimum temperature was 18°C to 22°C. The morning relative humidity recorded was 83 per cent and evening relative humidity was 44 per cent. The average wind speed recorded was 05-06 km per hour and the wind directions were from South West direction.

**Weather Forecast for Erode District**

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| **Past Week Summary**  **(17.12.2024 to**  **19.12.2024)** | | | **Ensemble weather forecast valid until**  **08.30 hrs of 25.12.2024** | | | | | |
| **Day-1**  **17/12** | **Day-2**  **18/12** | **Day-3**  **19/12** | **Date** | **Day-1**  **21/12** | **Day-2**  **22/12** | **Day-3**  **23/12** | **Day-4**  **24/12** | **Day-5**  **25/12** |
| 0.0 | 0.0 | 1.6 | **Rainfall** | 12 | 18 | 20 | 30 | 35 |
| 29 | 31 | 33 | **Max. Temp. (o C)** | 34 | 34 | 33 | 33 | 33 |
| 18 | 20 | 22 | **Mini. Temp. (o C)** | 23 | 23 | 22 | 22 | 22 |
| 4 | 4 | 6 | **Cloud cover (Octa )** | 6 | 6 | 5 | 5 | 5 |
| 76 | 74 | 83 | **RH Morning (%)** | 85 | 85 | 83 | 83 | 83 |
| 44 | 55 | 47 | **RH Evening (%)** | 50 | 50 | 47 | 47 | 47 |
| 5 | 6 | 5 | **Wind (kmph)** | 4 | 4 | 8 | 4 | 10 |
| 110 | 230 | 110 | **Wind Direction** | 340 | 50 | 140 | 140 | 70 |

**Weather forecast for next five days: (21.12.2024 to 25.12.2024)**

According to district forecast issued by the India Meteorological Department for Erode district, sky will be Partly cloudy. Light to Moderate rainfall is expected. Maximum temperature is expected to be around 33°C to 34°C. Minimum temperature is expected to be around 22°C to 23°C. Morning relative humidity is expected to be around 85 per cent and evening relative humidity is expected to be around 47 per cent. Average wind speed is expected to be around 4-10 km per hour and the wind directions will be from North West direction.

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| **Erode District Block Wise Rainfall(mm) for next five days** | | | | | | | | | | | | | | |
| Date | Ammapet | Anthiyur | Bhavani | Bhavanisagar | Chenimalai | Erode | Gopi | Kodumudi | Modakurichi | Nambiyur | Perundurai | Sathyamangalam | Talavadai | TN Palayam |
| **21-12-2024** | 15.0 | 12.0 | 11.0 | 10.0 | 10.0 | 10.0 | 10.0 | 14.0 | 11.0 | 9.0 | 10.0 | 10.0 | 2.0 | 10.0 |
| **22-12-2024** | 19.0 | 17.0 | 16.0 | 14.0 | 16.0 | 16.0 | 15.0 | 22.0 | 17.0 | 14.0 | 16.0 | 14.0 | 2.0 | 14.0 |
| **23-12-2024** | 18.0 | 17.0 | 17.0 | 11.0 | 16.0 | 18.0 | 15.0 | 19.0 | 18.0 | 14.0 | 17.0 | 12.0 | 4.0 | 13.0 |
| **24-12-2024** | 22.0 | 23.0 | 26.0 | 15.0 | 27.0 | 27.0 | 24.0 | 22.0 | 26.0 | 25.0 | 27.0 | 18.0 | 2.0 | 20.0 |
| **25-12-2024** | 26.0 | 28.0 | 31.0 | 26.0 | 32.0 | 32.0 | 30.0 | 27.0 | 31.0 | 32.0 | 32.0 | 27.0 | 13.0 | 27.0 |

**Agro Advisory**

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| **Crop** | **Stage** | **Advisory** |
| General |  | Light to moderate rainfall is expected for the next five days and the wind speed is expected to be around 4 – 10 kmph in Western zone districts.  Irrigation may be postponed based on soil moisture.  Postponed fertilizer application, pesticide spray and weeding may be completed by utilizing the favourable weather. |
| Rice | Flowering & Harvest | Favourable temperature and relative humidity, may induce bacterial leaf blight in rice crop. To control, spray Streptomycin sulphate + Tetracycline combination at 300 g + Copper oxychloride 1250 g/ha or Copper hydroxide 2g/lit of water. If necessary, repeat 15 days later. The false smut and blast disease in rice may occur, to control the false smut and blast disease, spray Tricyclazole 20.4% W/W + Azoxystrobin 6.8% W/W Sc @ 400ml / acre  The harvested early samba rice grains may be dried in the Sun between 10 am and 3 pm, considering forth coming dry spell. |
| Bengalgram | Vegetative & Flowering | Prevailing weather conditions favourable for the wilt disease in Bengal gram therefore soil application pseudomonas florescence @ 2.5 kg /ha or spray Carbendazim 1g /litre of water. The humid dry condition may favour for wilt disease, to control the wilt disease apply Trichoderma viride @ 2.5kg/ha + 250 kg of FYM for one hecter |
| Turmeric | Rhizome development | Because of high soil moisture and humidity leaf spot disease in turmeric may be noticed, hence spray Azoxystrobin 18.2% + Difenoconazole 11.7% W/W Sc @ 1ml/lit.  The high dewfall, may favour for banana sigatoka leaf spo, spray pyraclostrobin 20% WG @ 300gram/acre  Since rhizome development stage is more sensitive to high soil moisture, provide adequate drainage. To prevent rhizome rot apply 2.5 kg/ha of *Trichoderma* *viridie* in 500 lit water for drenching or mixed with 50kg sand for band application. |

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| Banana & sugarcane |  | Due to high wind speed (>10kmph) and anticipating rainfall propping in sugarcane and support for five months and above old banana may be done immediately. |
| Coconut |  | Considering the less rain days, inward trench around the coconut trees may be prepared to harvest forthcoming rains in to the root zone. |
| Animal Husbandry |  | Provide adequate drainage around the animal shed. In addition, hang dry gunny bags along the open windows and doors to arrest the cool wind. |

**SMS advisory:**

* Avoid water stagnation in rice to prevent brown plant hopper incidence.

**Professor and Head**

**Principal Nodal Officer (GKMS)**

**Agro Climate Research Centre**