|  |  |  |
| --- | --- | --- |
| **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.075/2024 Issued on 16.09.2024(From 17th September 2024 to 21st September 2024)**Issued jointly by Agro Climate Research Centre, TNAU and IMD** | 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 074 (13.09.2024) for Tamil Nadu. Maximum temperature ranged from 33°C to 39°C and minimum temperature ranged from
24h uary °C to 30°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged from 19oC to 22oC and minimum temperature ranged from 11oC to 13oC. During this period occurred rainfall was recorded in Tamil Nadu.

**Erode District Past Weather**

In Erode district, during 13.09.2024 to 15.09.2024 the Maximum temperature was recorded 33°C to 35°C the minimum temperature was 23°C to 24°C. The morning relative humidity recorded was 78 per cent and evening relative humidity was 60 per cent. The average wind speed recorded was 15-20 km per hour and the wind direction were from South West direction.

**Weather Summary for Erode district**

|  |  |
| --- | --- |
| **Past Week Summary****(13.09.2024 to 15.09.2024)** | **Ensemble weather forecast valid until****08.30 hrs of 21.09.2024** |
| **Day-1****13/09** | **Day-2****14/09** | **Day-3****15/09** | **Date** | **Day-1****17/09** | **Day-2****18/09** | **Day-3****19/09** | **Day-4****20/09** | **Day-5****21/09** |
| 0.0 | 0.0 | 0.0 | **Rainfall** | 1 | 0 | 0 | 0 | 0 |
| 34 | 35 | 33 | **Max. Temp. (o C)** | 39 | 39 | 39 | 40 | 40 |
| 23 | 24 | 23 | **Mini. Temp. (o C)** | 25 | 26 | 26 | 27 | 27 |
| 4 | 5 | 6 | **Cloud cover (Octa)** | 6 | 1 | 6 | 3 | 0 |
| 75 | 75 | 78 | **RH morning (%)** | 70 | 70 | 70 | 70 | 70 |
| 60 | 65 | 66 | **RH evening (%)** | 30 | 30 | 30 | 30 | 30 |
| 20 | 15 | 20 | **Wind (kmph)** | 12 | 12 | 10 | 10 | 12 |
| 230 | 230 | 230 | **Wind Direction** | 270 | 250 | 270 | 270 | 270 |

**Weather forecast for next five days:** **(17.09.2024 to 21.09.2024)**

According to district forecast issued by the India Meteorological Department for Erode district, sky will be cloudy. Light drizzling rainfall is expected on 17.09.2024. Maximum temperature is expected to be around 39°C to 40°C. Minimum temperature is expected to be around 25°C to 27°C. Morning relative humidity is expected to be around 70 per cent and evening relative humidity is expected to be around 30 per cent. Average wind speed is expected to be around 10-12 km per hour and the wind directions 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 | Perundurai | Sathyamangalam | Talavadai | TN Palayam |
| **17-09-2024** | 0.0 | 0.1 | 0.7 | 0.0 | 6.4 | 2.1 | 0.0 | 3.3 | 5.1 | 0.0 | 4.3 | 0.0 | 0.0 | 0.0 |
| **18-09-2024** | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.2 | 0.6 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 |
| **19-09-2024** | 0.0 | 0.9 | 2.1 | 0.0 | 0.0 | 3.1 | 0.4 | 0.0 | 0.4 | 0.4 | 0.7 | 0.0 | 0.0 | 0.1 |
| **20-09-2024** | 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 |
| **21-09-2024** | 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 |  | Dry week is expected for the next five days and the wind speed is expected around 10 – 26 kmph in Western zone districts. Schedule the irrigation based on soil moisture.By utilizing favourable weather, land preparation may be done for the ensuing northeast monsoon season.Increasing temperature lead to hot & discomfort weather is very likely to prevail at interior districts of western zone. |
| Rice | NurseryHarvestPlantingMaximum tillering | Four leaf rice samba seedlings may be pulled out and transplanted @ two seedlings per hill, considering the anticipated weather. Before planting dip the root of the seedlings in the slurry of 40 lit containing 1kg of Azosphirillum and 1kg of Phosphobacteria.In the absence of wet nursery, direct dry seeding of medium duration rice can be done with the sufficient irrigation for Samba season.Considering the prevailing weather condition, early planted Kuruvai rice may be harvested and grains should be dried to 12% moisture content before storing.Due to hot and high wind speed tip drying of leaves is observed in rice crop by collision of leaves, which is not a disease. Hence avoid spraying of chemicals. |

|  |  |  |
| --- | --- | --- |
| Maize & Cotton | Early vegetative | Thinning and gap filling may be done for irrigated cotton and maize is advised to maintain population. |
| Groundnut | Harvest | By utilizing the dry weather, harvest, dry and store the early sown Groundnut and minor millets. |
| Sugarcane | Vegetative | Considering the high wind speed with light rainfall provide propping to the sugarcane by tying opposite row to prevent from lodging.  |
| Tomato | Vegetative | Prevailing continuous dry weather is favorable for the thrips attack in vegetables. Hence monitor the crop carefully and if required spray Dimethoate @ 2ml per liter of water. |
| Banana |  | Considering the high wind speed above 10 kmph, provide supports to the banana of more than five months old to prevent from lodging. |
| Turmeric | Rhizome development | Turmeric is at bulking stage, which is critical for both moisture stress and excess water. Hence, care to keep sufficient moisture and avoid excess moisture or over dry. |
| Tapioca | Planting | Best time for planting tapioca under irrigated condition. The tapioca sett must be 15 cm long with 8-10 nodes, taken from middle portion of the stem. Before planting sett should be dipped in carbendazim solution @ 1g in 1 lit water for 15 minutes. |
| Animal Husbandry |  | Increasing temperature may result in hot & discomfort weather to animals. Provide adequate drinking water. |

**SMS advisory:**

* Increasing temperature may result in hot & discomfort weather to animals. Provide adequate drinking water.

**Professor and Head**

 **Principal Nodal Officer (GKMS)**

**Agro Climate Research Centre**