|  |  |  |
| --- | --- | --- |
| **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.092/2024 Issued on 14.11.2024(From 15th November 2024 to 19th November 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 091 (12.11.2024) for Tamil Nadu. Maximum temperature ranged from 27°C to 35°C and minimum temperature ranged from 23h uary °C to 26°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged from 18oC to 20oC and minimum temperature ranged from 09oC to 13oC. During this period occurred rainfall was recorded in Tamil Nadu.

**Erode District Past Weather**

In Erode district, during 12.11.2024 to 13.11.2024 the Maximum temperature was recorded 32°C the minimum temperature was 22°C to 23°C. The morning relative humidity recorded was 95 per cent and evening relative humidity was 63 per cent. The average wind speed recorded was 8-16 km per hour and the wind directions were from South West direction.

**Weather Forecast for Erode District**

|  |  |
| --- | --- |
| **Past Week Summary****(12.11.2024 to 13.11.2024)** | **Ensemble weather forecast valid until****08.30 hrs of 19.11.2024** |
| **Day-1****12/11** | **Day-2****13/11** | **Date** | **Day-1****15/11** | **Day-2****16/11** | **Day-3****17/11** | **Day-4****18/11** | **Day-5****19/11** |
| 0.0 | 1.9 | **Rainfall** | 17 | 8 | 6 | 12 | 0 |
| 32 | 32 | **Max. Temp. (o C)** | 33 | 32 | 32 | 31 | 30 |
| 22 | 23 | **Mini. Temp. (o C)** | 24 | 23 | 23 | 23 | 22 |
| 4 | 8 | **Cloud cover (Octa)** | 8 | 6 | 7 | 8 | 6 |
| 70 | 95 | **RH Morning (%)** | 90 | 90 | 90 | 90 | 90 |
| 63 | 76 | **RH Evening (%)** | 70 | 60 | 60 | 50 | 40 |
| 8 | 16 | **Wind (kmph)** | 4 | 6 | 6 | 8 | 6 |
| 50 | 90 | **Wind Direction** | 90 | 90 | 90 | 70 | 50 |

**Weather forecast for next five days: (15.11.2024 to 19.11.2024)**

According to district forecast issued by the India Meteorological Department for Erode district, sky will be cloudy. Light to moderate rainfall is expected on next 4 days. Maximum temperature is expected to be around 30°C to 33°C. Minimum temperature is expected to be around 22°C to 24°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 40 per cent. Average wind speed is expected to be around 4-8 km per hour and the wind directions will be from North 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 | Talavadai | TN Palayam |
| **15-11-2024** | 15.0 | 16.0 | 15.0 | 21.0 | 18.0 | 15.0 | 18.0 | 14.0 | 15.0 | 20.0 | 16.0 | 20.0 | 22.0 | 19.0 |
| **16-11-2024** | 5.0 | 6.0 | 5.0 | 7.0 | 5.0 | 5.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| **17-11-2024** | 4.0 | 5.0 | 4.0 | 7.0 | 7.0 | 4.0 | 7.0 | 5.0 | 4.0 | 10.0 | 6.0 | 7.0 | 3.0 | 7.0 |
| **18-11-2024** | 9.0 | 9.0 | 9.0 | 9.0 | 10.0 | 10.0 | 10.0 | 9.0 | 10.0 | 10.0 | 10.0 | 9.0 | 6.0 | 9.0 |
| **19-11-2024** | 0.0 | 0.0 | 0.0 | 2.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 4.0 | 0.0 | 2.0 | 0.0 | 1.0 |

**Agro Advisory**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Stage** | **Advisory** |
| General |  | Light rainfall is expected for the next five days and the wind speed is expected to be around 4 – 12 kmph in Western zone districts.Since rainfall is continuing, postpone the irrigation based on soil moisture.Gap fill in the recently sown millet fields, if affected due to rainfall.Considering the continuous soil moisture apply *Trichoderma Viridie* @ 2kg/ac mixed with 50 kg of sand to all crops for preventing soil born diseases. |
| Rice | Planting & Vegetative | Since weather conditions are favourable for blast incidence in rice farmers are requested to monitor the crop carefully and spray during non-rainy days with Tricyclozone @ 1g / litre followed by second spray with 1g carbendazim / litre of water. Since the temperature is very low, Spray 0.5% Zinc Sulphate plus Urea 1% at 15 days interval twice against Zinc deficiency in rice.Due to prevailing low temperature is also favourable for leaf folder attack in rice, monitor the crop carefully and if required Triazophos 2 ml / liter of water. Minimum 2 sprays are required to control the pest effectively.  |
| Bengal gram | Sowing | This is the best time of sowing for bengal gram under rain fed situation considering the available soil moisture, further farmers are requested to complete the sowing before 20th November. |
| Cotton | Flowering | Provide drainage to 60 days old cotton to prevent flower drop. Spray Naphthalene Acetic Acid (NAA) 40 ppm during rainless period to arrest flower drop in cotton due to high soil moisture. |
| Coconut |  | It is the best time of application of fertilizers hence farmers are requested to take semi circulate pit and apply 750g urea, 1kg of super and potash along with 50kg of FYM may be applied. |

|  |  |  |
| --- | --- | --- |
| Gourds | Flowering | Prevailing continues rainfall is favourable for the vegetative growth in gourds at the time flowering. Hence application of ethrel @ 100ppm for all gourds (200ppm for ribbed gourds) is recommended after the rain to get more flowers and fruit set. Two spray may be scheduled at week interval.  |
| Turmeric | Rhizome development | Turmeric is at bulking stage, which is critical for both moisture stress and excess water. Hence, provide adequate drainage to avoid excess moisture.Due to continuous wet weather leaf blotch disease may appear in turmeric. To control the disease spray Propiconazole @ 1 ml or Copper Oxy Chloride 2.5 gm or Mancozeb 2.5 gm per litter of water. With cloudy weather and continuous rainfall, micro nutrient deficiency may appear in irrigated turmeric. Dissolve 15 kg super phosphate in 25 litres of water, store it overnight and the supernated solution may be made into 250 litres. In that, mix 375g each of Feso4, Znso4, Borax and Urea and spray twice at 25 days interval. |
| Animal Husbandry |  | During rainy days to avoid mastitis infection in dairy animals, before and after milking wash the udder with potassium permanganate solution. |

 **SMS advisory:**

* The weather is favourable for Leaf Folder in Rice. Monitor and if needed spray Triosophos 2 ml / liter of water.

**Professor and Head**

 **Principal Nodal Officer (GKMS)**

**Agro Climate Research Centre**