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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.097/2024 Issued on 03.12.2024(From 04th December 2024 to 08th 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 096 (29.11.2024) for Tamil Nadu. Maximum temperature ranged from 21°C to 33°C and minimum temperature ranged from 20h uary °C to 26°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged from 16oC to 21oC and minimum temperature ranged from 05oC to 12oC. During this period occurred rainfall was recorded in Tamil Nadu.

**Erode District Past Weather**

In Erode district, during 29.11.2024 to 02.12.2024 the Maximum temperature was recorded 27°C to 32°C the minimum temperature was 21°C to 23°C. The morning relative humidity recorded was 95 per cent and evening relative humidity was 71 per cent. The average wind speed recorded was 6-19 km per hour and the wind directions were from South West direction.

**Weather Forecast for Erode District**

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| **Past Week Summary**  **(29.11.2024 to 02.12.2024)** | | | | **Ensemble weather forecast valid until**  **08.30 hrs of 08.12.2024** | | | | | |
| **Day-1**  **29/11** | **Day-2**  **30/11** | **Day-3**  **01/12** | **Day-4**  **02/12** | **Date** | **Day-1**  **04/12** | **Day-2**  **05/12** | **Day-3**  **06/12** | **Day-4**  **07/12** | **Day-5**  **08/12** |
| 0.0 | 1.3 | 3.7 | 13.7 | **Rainfall** | 20 | 15 | 8 | 5 | 35 |
| 32 | 31 | 29 | 27 | **Max. Temp. (o C)** | 30 | 30 | 31 | 31 | 31 |
| 21 | 22 | 23 | 23 | **Mini. Temp. (o C)** | 21 | 21 | 22 | 22 | 22 |
| 7 | 8 | 8 | 7 | **Cloud cover (Octa)** | 8 | 8 | 7 | 7 | 7 |
| 68 | 79 | 88 | 95 | **RH Morning (%)** | 88 | 88 | 82 | 82 | 82 |
| 71 | 71 | 81 | 87 | **RH Evening (%)** | 87 | 87 | 78 | 78 | 78 |
| 8 | 7 | 6 | 19 | **Wind (kmph)** | 8 | 8 | 6 | 6 | 6 |
| 140 | 230 | 230 | 230 | **Wind Direction** | 140 | 140 | 140 | 140 | 140 |

**Weather forecast for next five days: (04.12.2024 to 08.12.2024)**

According to district forecast issued by the India Meteorological Department for Erode district, sky will be cloudy. Moderate to heavy to very rainfall is expected on next five days. Maximum temperature is expected to be around 31°C to 30°C. Minimum temperature is expected to be around 21°C to 22°C. Morning relative humidity is expected to be around 88 per cent and evening relative humidity is expected to be around 78 per cent. Average wind speed is expected to be around 6-10 km per hour and the wind directions will be from North East 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 |
| **04-12-2024** | 6.2 | 4.9 | 4.0 | 5.7 | 5.7 | 4.5 | 3.4 | 6.0 | 5.0 | 3.2 | 3.8 | 4.1 | 6.4 | 3.7 |
| **05-12-2024** | 3.0 | 3.8 | 4.2 | 6.0 | 5.4 | 3.7 | 5.1 | 2.9 | 3.6 | 7.1 | 5.7 | 4.1 | 1.1 | 4.1 |
| **06-12-2024** | 1.9 | 2.3 | 2.5 | 1.2 | 2.3 | 1.8 | 3.4 | 0.8 | 1.1 | 3.9 | 3.0 | 3.2 | 0.6 | 3.1 |
| **07-12-2024** | 1.2 | 2.2 | 1.9 | 1.6 | 1.3 | 1.6 | 2.1 | 0.6 | 1.4 | 2.8 | 1.7 | 2.4 | 3.1 | 2.4 |
| **08-12-2024** | 8.9 | 10.0 | 5.9 | 7.6 | 8.1 | 5.8 | 7.7 | 4.3 | 5.6 | 15.1 | 7.9 | 13.4 | 7.8 | 14.0 |

**Agro Advisory**

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| **Crop** | **Stage** | **Advisory** |
| General |  | Moderate to heavy rainfall is expected for the next five days and the wind speed is expected to be around 6 – 10 kmph in Western zone districts.  Hence, post pone the irrigation. Provide adequate drainage to all crops and harvest the excess rain water safely in Farm Ponds. |
| Rice | Vegetative to Flowering | If the rice crop is water logged, apply 100 gm of urea per ha to quicker recovery of rice after complete draining of water.  Spray TNAU’s Rice bloom for quicker recovery after the cessation of rains.  To control sheath blight & blast diseases due to water logging spray propiconazole 10.7 % W/W tricyclazole 34.2% W/W SE @ 1 ml/lit. |
| Maize | Tasseling | Flowering stage is more susceptible to water logging, Ensure adequate drainage in the field to avoid lodging of the crop.  Due to heavy rain and RH, turcicum leaf blight and rust disease may occur hence spray kresoxin –methyl 44.3 % SC @ 1 ml/lit. |
| Groundnut | Harvest | If groundnut at harvest stage, complete the harvest immediately to prevent germination of mature pods due excess moisture.  There is a possibility for tikka leaf spot and rust disease, spray tebuconazole 25.9% EC @ 1 ml/lit. due to water stagnation stem rot disease noticed, spray carbendazim 25% + flusilazole 12.5% SE @1.5 ml/lit. |
| Vegetables | Flowering | Present weather with moderate temperature and high morning and afternoon RH favours disease spread in vegetables. Provide prophylactic spray with carbendazim @ 1 gm/lit. of water, upon cessation of rains.  To prevent soil borne diseases make the drainage facilities and if root rot disease noticed, drenching with copper oxy chloride 50% WP @ 0.2%. |

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| 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.  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 during non-rainy days.  Due to continuous rain, rhizome rot may occur drench the plant with metalaxyl 4%+ mancozeb 64% WP @ 0.25% |
| 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 |  | High calories feed may be given to animals and poultry to avoid low temperature stress.  Considering the wet spell animals may be given vaccination against foot and mouth disease if not given earlier. Also provide drainage to cattle and poultry sheds.  Ensure safety of animal shed and avoid keeping animals under trees as moderate rain fall along with heavy wind is expected. |

**SMS advisory:**

* If groundnut at harvest stage, complete the harvest immediately to prevent germination of mature pods due excess moisture.

**Professor and Head**

**Principal Nodal Officer (GKMS)**

**Agro Climate Research Centre**