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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.090/2024 Issued on 08.11.2024(From 09th November 2024 to 13th 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 089 (05.11.2024) for Tamil Nadu. Maximum temperature ranged from 30°C to 34°C and minimum temperature ranged from 22h uary °C to 28°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged from 18oC to 19oC and minimum temperature ranged from 9oC to 12oC. During this period occurred rainfall was recorded in Tamil Nadu.

**Erode District Past Weather**

In Erode district, during 05.11.2024 to 07.11.2024 the Maximum temperature was recorded 30°C to 32°C the minimum temperature was 22°C to 23°C. The morning relative humidity recorded was 90 per cent and evening relative humidity was 48 per cent. The average wind speed recorded was 5 km per hour and the wind directions were from South West direction.

**Weather Forecast for Erode District**

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| **Past Week Summary**  **(05.11.2024 to 07.11.2024)** | | | **Ensemble weather forecast valid until**  **08.30 hrs of 13.11.2024** | | | | | |
| **Day-1**  **05/11** | **Day-2**  **06/11** | **Day-3**  **07/11** | **Date** | **Day-1**  **09/11** | **Day-2**  **10/11** | **Day-3**  **11/11** | **Day-4**  **12/11** | **Day-5**  **13/11** |
| 8.7 | 0.0 | 0.0 | **Rainfall** | 2 | 0 | 0 | 0 | 0 |
| 30 | 31 | 32 | **Max. Temp. (o C)** | 34 | 35 | 35 | 36 | 36 |
| 22 | 23 | 23 | **Mini. Temp. (o C)** | 24 | 24 | 25 | 25 | 25 |
| 6 | 6 | 7 | **Cloud cover (Octa)** | 8 | 4 | 7 | 4 | 6 |
| 90 | 88 | 83 | **RH Morning (%)** | 90 | 80 | 80 | 80 | 80 |
| 54 | 48 | 67 | **RH Evening (%)** | 40 | 40 | 40 | 40 | 50 |
| 5 | 5 | 5 | **Wind (kmph)** | 4 | 6 | 6 | 6 | 6 |
| 180 | 180 | 50 | **Wind Direction** | 50 | 20 | 360 | 360 | 50 |

**Weather forecast for next five days: (09.11.2024 to 13.11.2024)**

According to district forecast issued by the India Meteorological Department for Erode district, sky will be cloudy. Light drizzling rainfall is expected on 09.11.24. Maximum temperature is expected to be around 34°C to 36°C. Minimum temperature is expected to be around 24°C to 25°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 4-6 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 |
| **09-11-2024** | 0.4 | 0.8 | 0.7 | 0.9 | 4.7 | 0.9 | 0.4 | 2.2 | 1.8 | 0.5 | 1.9 | 0.5 | 1.4 | 0.6 |
| **10-11-2024** | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| **11-11-2024** | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 |
| **12-11-2024** | 0.2 | 0.2 | 0.1 | 0.3 | 0.6 | 0.2 | 0.9 | 0.4 | 0.3 | 0.5 | 0.2 | 0.6 | 0.4 | 0.6 |
| **13-11-2024** | 2.0 | 2.9 | 2.9 | 5.6 | 2.9 | 2.6 | 2.2 | 3.0 | 2.4 | 4.6 | 2.9 | 2.4 | 3.4 | 2.5 |

**Agro Advisory**

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| **Crop** | **Stage** | **Advisory** |
| General |  | Light drizzling rainfall is expected on 09.11.2024 and the wind speed is expected to be around 4 – 6 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* @ 2.5kg/ha mixed with 200 kg of FYM to all crops for preventing soil born diseases. Avoid water stagnation to prevent soil borne 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 drizzling and high relative humidity, rice blast disease may occur, spray Azoxystrobin 16.7 % + Trichyclazole 33.30 SC@ 1ml / lit. If stemborer and leaf folder incidence noticed apply, chlorantraniliprole 0.5% + Thiamethoxam 01% W/WGR @ 6kg /ha.  Due to continuous cloudy condition, rice bacterial blight disease may occur, spray copper hydroxide 77%WP @ 1.5 kg/ha. |

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| Blackgram  Greengram | Vegetative | The standing green gram and black gram would grow with tendrils as a result of excess soil moisture. Clip the tendrils or top the crop.  Apply foliar nutrition like 2% DAP + 1% urea or TNAU’s Pulse wonder during rain free days to improve the growth and development of rain affected pulses.  The warm humid condition favour the powdery mildew disease, spray Penconazole 10% EC @ 0.5ml /liter |
| 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. Avoid water stagnation to prevent wilt disease. Soil application of Trichoderma viride +250 kg 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.  To prevent downy mildew disease, spray Metiram 55% + Pyroclostrobin 5% WG @ 3gram liter. Install cucurbits fruit fly @ 4/ acre. |
| 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.  Prevailing weather condition favour for leaf blotch, & leaf spot disease, spray Azoxystrobin 18.2 % + Difenoconazole 11.4% W/W SC @ 1ml / lit of water after rain.  Due to heavy rain, rhizome rot may occur drench the plant with metalaxyl m4%+ mancozeb 64% WP @ 0.25% |
| 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:**

* Rice blast disease may occur, spray Azoxytrobin 25SC@1ml /liter of water.

**Professor and Head**

**Principal Nodal Officer (GKMS)**

**Agro Climate Research Centre**