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| **Description: A close up of a sign  Description automatically generated** | **TAMIL NADU AGRICULTURAL UNIVERSITY**  **INDIA METEOROLOGICAL DEPARTMENT**  **AGROMET ADVISORY BULLETIN**  **COIMBATORE DISTRICT** Bulletin No.083/2024 Issued on 15.10.2024(From 16th October 2024 to 20th October 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 082 (10.10.2024) for Tamil Nadu. Maximum temperature ranged from 18°C to 34°C and minimum temperature ranged from 21h uary °C to 27°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged from 18oC to 21oC and minimum temperature ranged from 11oC to 14oC. During this period occurred rainfall was recorded in Tamil Nadu.

**COIMBATORE DISTRICT PAST WEATHER**

In Coimbatore district, during 10.10.2024 to 14.10.2024 the Maximum temperature was recorded 29°C to 32°C the minimum temperature was 22°C to 23°C. The morning relative humidity recorded was 93 per cent and evening relative humidity was 62 per cent. The average wind speed recorded was 5-14 km per hour and the wind direction were from South West direction.

**WEATHER FORECAST FOR COIMBATORE DISTRICT**

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| **Past Week Summary**  **(10.10.2024 to 14.10.2024)** | | | | | **Ensemble weather forecast valid until**  **08.30 hrs of 20.10.2024** | | | | | |
| **Day-1**  **10/10** | **Day-2**  **11/10** | **Day-3**  **12/10** | **Day-4**  **13/10** | **Day-5**  **14/10** | **Date** | **Day-1**  **16/10** | **Day-2**  **17/10** | **Day-3**  **18/10** | **Day-4**  **19/10** | **Day-5**  **20/10** |
| 28.4 | 2.7 | 21.3 | 24.3 | 28.5 | **Rainfall** | 31 | 29 | 28 | 2 | 3 |
| 31 | 32 | 32 | 29 | 30 | **Max. Temp. (o C)** | 26 | 25 | 24 | 23 | 23 |
| 22 | 23 | 23 | 23 | 22 | **Mini. Temp. (o C)** | 21 | 20 | 19 | 19 | 18 |
| 7 | 6 | 8 | 7 | 8 | **Cloud cover (Octa)** | 8 | 8 | 8 | 8 | 8 |
| 82 | 72 | 91 | 88 | 93 | **RH Morning (%)** | 90 | 90 | 80 | 80 | 90 |
| 62 | 78 | 77 | 93 | 95 | **RH Evening (%)** | 70 | 60 | 60 | 60 | 60 |
| 14 | 12 | 8 | 9 | 5 | **Wind (kmph)** | 8 | 14 | 14 | 10 | 8 |
| 230 | 90 | 230 | 290 | 200 | **Wind Direction** | 250 | 250 | 250 | 250 | 250 |

**WEATHER SUMMARY FOR NEXT FIVE DAYS (16.10.2024 TO 20.10.2024)**

According to district forecast issued by the India Meteorological Department for Coimbatore district, sky will be cloudy. Moderate to heavy rainfall is expected on next five days. Maximum temperature is expected to be around 23°C to 26°C. Minimum temperature is expected to be around 18°C to 21°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 60 per cent. Average wind speed is expected to be around 8-14 km per hour and the wind directions will be from South West direction.

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| **COIMBATORE DISTRICT BLOCK WISE RAINFALL (MM) FOR NEXT FIVE DAYS** | | | | | | | | | | | | |
| Date | Anamalai | Annur | Karamadai | Kinathukadavu | Madukkarai | PN Palayam | Pollachi North | Pollachi South | Sarcarsamakulam | Sultanpet | Sulur | Thondamuthur |
| **16-10-2024** | 7.7 | 9.2 | 12.0 | 3.3 | 3.8 | 8.4 | 4.1 | 4.1 | 4.8 | 3.9 | 5.4 | 5.0 |
| **17-10-2024** | 9.4 | 10.8 | 14.6 | 7.2 | 9.0 | 12.5 | 8.8 | 8.8 | 8.3 | 5.5 | 7.9 | 11.5 |
| **18-10-2024** | 2.6 | 4.3 | 7.0 | 0.9 | 2.1 | 5.4 | 1.4 | 1.4 | 2.3 | 0.6 | 1.6 | 3.2 |
| **19-10-2024** | 5.2 | 2.2 | 2.3 | 1.9 | 2.0 | 2.5 | 4.6 | 4.6 | 2.1 | 2.1 | 1.9 | 4.9 |
| **20-10-2024** | 2.0 | 2.6 | 3.2 | 0.6 | 0.6 | 1.8 | 1.2 | 1.2 | 2.1 | 0.8 | 1.6 | 1.6 |

**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 4 – 18 kmph in Western zone districts. Postpone the irrigation based on soil moisture. Provide adequate drainage to all crops. Prepare for water harvesting the excess rainfall to farm pond.  Postpone the sowing, fertilizer application and chemical spray for next few days. Gap filling may be done in already germinated fields.  In rainfed, provide crisscross plough or bunds against the slope at 10m interval to arrest the rain water runoff. |
| Rice | Planting | Provide adequate drainage facility to recently planted main field.  Postpone transplanting or direct sowing of rice.  Dain the water through channels and avoid drain field to field.  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. |
| 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.  If leaf spot disease noticed, spray mancozeb @ 2 gram/lit. Create drainage facility to prevent root rot diseases. |
| Sugarcane |  | Since rainfall with wind speed >10kmph is expected, provide propping to early season sugarcane. |
| Banana |  | Since rainfall with wind speed >10kmph is expected, provide support to banana of above 5 months old.  Avoid water stagnation, create the drainage facility to drain the rain water to prevent wilt disease. |

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| Cotton | Flowering | Moderate to Heavy rainfall is expected. Provide drainage to 60 days old cotton to prevent flower drop. Spraying Naphthalene Acetic Acid (NAA) 40 ppm during rainless period arrest flower drop in cotton. Avoid water stagnation, create the drainage facility to drain the rain water to prevent wilt disease. |
| 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. |
| Animal Husbandry |  | Ensure stability of animal shed structures and prevent water stagnation around the shed.  De worming in cattle’s may be advised, since animal may graze newly germinated grasses infected with worms.  During rainy days to avoid mastitis infection in dairy animals, before and after milking wash the udder with potassium permanganate solution. |

**SMS advisory:**

* Moderate to heavy rainfall is expected. Provide adequate drainage to all crops. Postpone the irrigation, fertilizer application and chemical spray for few days.

**PROFESSOR AND HEAD**

**PRINCIPAL NODAL OFFICER (GKMS)**

**AGRO CLIMATE RESEARCH CENTRE**

**TNAU, COIMBATORE - 03**