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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 Coimbatore District** Bulletin No.101/2024 Issued on 17.12.2024(From 18th December 2024 to 22th 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 100 (13.12.2024) for Tamil Nadu. Maximum temperature ranged from 23°C to 32°C and minimum temperature ranged from 17h uary °C to 25°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged from 14oC to 23oC and minimum temperature ranged from 07°C to 13°C. During this period occurred rainfall was recorded in Tamil Nadu.

**Coimbatore District Past Weather**

In Coimbatore district, during 13.12.2024 to 16.12.2024 the Maximum temperature was recorded 25°C to 29°C the minimum temperature was 19°C to 23°C. The morning relative humidity recorded was 95 per cent and evening relative humidity was 47 per cent. The average wind speed recorded was 07-11 km per hour and the wind directions were from South West direction.

**Weather Summary for Coimbatore district**

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| **Past Week Summary**  **(13.12.2024 to 16.12.2024)** | | | | **Ensemble weather forecast valid until**  **08.30 hrs of 22.12.2024** | | | | | |
| **Day-1**  **13/12** | **Day-2**  **14/12** | **Day-3**  **15/12** | **Day-4**  **16/12** | **Date** | **Day-1**  **18/12** | **Day-2**  **19/12** | **Day-3**  **20/12** | **Day-4**  **21/12** | **Day-5**  **22/12** |
| 22.3 | 16.9 | 2.3 | 0.0 | **Rainfall** | 4 | 4 | 5 | 5 | 10 |
| 25 | 25 | 27 | 29 | **Max. Temp. (o C)** | 29 | 29 | 29 | 28 | 28 |
| 23 | 21 | 19 | 19 | **Mini. Temp. (o C)** | 19 | 19 | 19 | 19 | 19 |
| 8 | 8 | 4 | 4 | **Cloud cover (Octa)** | 4 | 4 | 4 | 6 | 6 |
| 95 | 95 | 83 | 81 | **RH Morning (%)** | 80 | 80 | 80 | 82 | 82 |
| 95 | 76 | 47 | 55 | **RH Evening (%)** | 58 | 58 | 58 | 60 | 60 |
| 10 | 7 | 11 | 11 | **Wind (kmph)** | 11 | 11 | 11 | 9 | 9 |
| 20 | 50 | 90 | 90 | **Wind Direction** | 90 | 90 | 90 | 70 | 70 |

**Weather forecast for next five days: (18.12.2024 to 22.12.2024)**

According to district forecast issued by the India Meteorological Department for Coimbatore district, sky will be Partly cloudy. Light to Moderate rainfall is expected on next five days. Maximum temperature is expected to be around 28°C to 29°C. Minimum temperature is expected to be around 19°C. Morning relative humidity is expected to be around 82 per cent and evening relative humidity is expected to be around 58 per cent. Average wind speed is expected to be around 9-11 km per hour and the wind directions will be from North direction.

**Agro Advisory**

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| **Crop** | **Stage** | **Advisory** |
| General |  | Light to Moderate rainfall is expected for the next five days and the wind speed is expected to be around 10 kmph in Western zone districts.  Provide adequate drainage facility to all crops and postpone the irrigation.  Partly cloudy weather and moderate relative humidity are anticipated, avoid soil application of fertilizer, as root activity may be limited. |
| Rice | Vegetative to Flowering | Since weather condition is favourable for blast incidence in rice. Monitor the crop carefully and spray initially with tricyclozole @ 1g / litre followed by second spray with 1g carbendazim / litre of water on rain free days. |
| Bengalgram | Vegtative & Flowering | Prevailing weather conditions are favourable for the wilt disease in Bengal gram therefore soil application of pseudomonas florescence @ 2.5 kg /ha or spray Carbendazim 1g /litre of water. |
| Turmeric | Rhizome development | Because of high soil moisture and humidity leaf spot disease in turmeric may be noticed, hence spray Carbendazim @ 500m in 500 lit water.  Since rhizome development stage is more sensitive to high soil moisture, provide adequate drainage. To prevent rhizome rot apply 2.5 kg/ha of *Trichoderma* *viridie* in 500 lit water for drenching or mixed with 50kg sand for band application. |
| Banana & sugarcane |  | Due to high wind speed (10kmph) and anticipating rainfall propping in sugarcane and support for five months and above old banana may be done immediately. |
| Coconut |  | Considering the less rain days, inward trench around the coconut trees may be prepared to harvest forthcoming rains in to the root zone.  These who have not applied the second fertilizer dose, apply 650 g of urea 1kg of super phosphate and mop at semi circular pits. |
| Animal Husbandry |  | Considering the consumption of newly emerged grasses during the monsoon season, deworming may be given to sheep, goat, cattle and milch animals.  Provide adequate drainage around the animal shed. In addition, hang dry gunny bags along the open windows and doors to arrest the cool wind. |

**SMS advisory:**

* Weather condition is favourable for blast incidence in rice. Spray initially with tricyclozole @ 1g / litre followed by second spray with 1g carbendazim / litre of water on rain free days.

**Professor and Head**

**Principal Nodal Officer (GKMS)**

**Agro Climate Research Centre**