|  |  |  |
| --- | --- | --- |
| **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.096/2024 Issued on 29.11.2024(From 30th November 2024 to 04th 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 095 (26.11.2024) for Tamil Nadu. Maximum temperature ranged from 25°C to 30°C and minimum temperature ranged from 20h uary °C to 26°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged from 13oC to 22oC and minimum temperature ranged from 09oC to 13oC. During this period occurred rainfall was recorded in Tamil Nadu.

**Coimbatore District Past Weather**

In Coimbatore district, during 26.11.2024 to 28.11.2024 the Maximum temperature was recorded 28°C to 30°C the minimum temperature was 21°C to 22°C. The morning relative humidity recorded was 86 per cent and evening relative humidity was 49 per cent. The average wind speed recorded was 5-10 km per hour and the wind directions were from South West direction.

**Weather Summary for Coimbatore district**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Past Week Summary**  **(26.11.2024 to 28.11.2024)** | | | **Ensemble weather forecast valid until**  **08.30 hrs of 04.12.2024** | | | | | |
| **Day-1**  **26/11** | **Day-2**  **27/11** | **Day-3**  **28/11** | **Date** | **Day-1**  **30/11** | **Day-2**  **01/12** | **Day-3**  **02/12** | **Day-4**  **03/12** | **Day-5**  **04/12** |
| 0.0 | 1.1 | 0.2 | **Rainfall** | 4 | 14 | 120 | 65 | 54 |
| 30 | 29 | 28 | **Max. Temp. (o C)** | 32 | 31 | 31 | 30 | 30 |
| 22 | 22 | 21 | **Mini. Temp. (o C)** | 22 | 21 | 21 | 21 | 20 |
| 8 | 8 | 7 | **Cloud cover (Octa)** | 8 | 8 | 7 | 8 | 8 |
| 83 | 86 | 70 | **RH Morning (%)** | 80 | 90 | 90 | 90 | 90 |
| 69 | 64 | 49 | **RH Evening (%)** | 70 | 80 | 80 | 70 | 70 |
| 6 | 5 | 10 | **Wind (kmph)** | 12 | 12 | 10 | 8 | 8 |
| 110 | 50 | 50 | **Wind Direction** | 250 | 250 | 230 | 230 | 50 |

**Weather forecast for next five days: (30.11.2024 to 04.12.2024)**

According to district forecast issued by the India Meteorological Department for Coimbatore district, sky will be cloudy. Heavy to very heavy rainfall is expected on next five days. Maximum temperature is expected to be around 30°C to 32°C. Minimum temperature is expected to be around 20°C to 22°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 70 per cent. Average wind speed is expected to be around 8-12 km per hour and the wind directions will be from North East direction.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |
| **30-11-2024** | 0.3 | 0.9 | 1.5 | 0.2 | 0.4 | 0.6 | 0.4 | 0.4 | 0.5 | 0.5 | 0.7 | 0.5 |
| **01-12-2024** | 3.1 | 5.3 | 7.2 | 2.6 | 4.0 | 5.7 | 2.7 | 2.7 | 4.7 | 2.6 | 5.0 | 5.5 |
| **02-12-2024** | 12.9 | 15.6 | 17.6 | 16.4 | 21.0 | 15.6 | 9.0 | 9.0 | 15.3 | 13.4 | 17.1 | 22.0 |
| **03-12-2024** | 17.9 | 19.2 | 21.0 | 28.4 | 30.6 | 20.3 | 20.6 | 20.6 | 17.7 | 27.7 | 19.8 | 28.0 |
| **04-12-2024** | 5.8 | 16.6 | 16.5 | 10.0 | 7.7 | 7.3 | 9.2 | 9.2 | 7.2 | 11.3 | 11.6 | 9.3 |

**Agro Advisory**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Stage** | **Advisory** |
| General |  | Heavy to very heavy rainfall is expected for the next five days and the wind speed is expected to be around 8 - 24 kmph in Western zone districts and hence suitable measures may be taken to avoid logding of crops. Very heavy rainfall is expected on 2.12.2024. Hence, post pone the irrigation.  Provide adequate drainage to all crops and harvest the excess rain water safely in Farm Ponds. |
| Rice | Vegetative | Weather conditions are favourable for Bacterial Leaf Blight (BLB) and Blast incidence in rice. Farmers are requested to monitor the crop carefully and spray upon cessation of rains with Azoxytropin @ 1ml / litre for blast Streptomycin sulphate + Tetracyclin @ 500 ppm for the BLB. |
| Maize | Tasseling | Prevailing weather is favourable for leaf blight in maize. To control spray Propiconazole 25 EC @ 1ml lit of water, upon cessation of rains. |
| Vegetables | Flowering | Present weather with moderate temperature and high morning and afternoon RH favours disease spread in vegetables. Provide prophylactic spray with Carbendazim @ 1g/lit of water, upon cessation of rains. |
| Turmeric | Rhizome development | Turmeric is in bulking stage, 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. |

|  |  |  |
| --- | --- | --- |
| Banana |  | Provide adequate support to banana of above 5 months old against lodging due to heavy wind along with rainfall. |
| Coconut |  | Considering rain days, inward trench around the coconut trees may be prepared to harvest forthcoming rains in to the root zone. |
| Animal Husbandry |  | Animals may suffer with thrust for water due to low temperature and high RH. Provide adequate clean drinking water to the animals.  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:**

* Heavy to very heavy rainfall is expected. Provide adequate drainage to all crops and harvest the excess rain water safely in Farm Ponds.

**Professor and Head**

**Principal Nodal Officer (GKMS)**

**Agro Climate Research Centre**