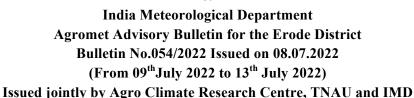


# Tamil Nadu Agricultural University





Weather Summary for the period since the issue of last bulletin 053 (05.07.2022) for Tamil Nadu. Maximum temperature ranged from 32°C to 37°C and minimum temperature ranged from 22°C to 29°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged from 15°C to 20°C and minimum temperature ranged from 10°C to 11°C. During this period isolated rainfall was recorded in Tamil Nadu.

#### **Weather Summary for Erode district**

| Past week Summary<br>(03.07,2022 to 07.07.2022) |                |                |                |                |                    | Ensemble weather forecast valid until 08.30 hrs of 13.07.2022 |                |                |                |                |
|---|----------------|----------------|----------------|----------------|--------------------|---|----------------|----------------|----------------|----------------|
| Day-1<br>03/07                                  | Day-2<br>04/07 | Day-3<br>05/07 | Day-4<br>06/07 | Day-5<br>07/07 | Date               | Day-1<br>09/07  | Day-2<br>10/07 | Day-3<br>11/07 | Day-4<br>12/07 | Day-5<br>13/07 |
| 0.0   | 0.9            | 0.0            | 0.7            | 0.0            | Rainfall           | 8   | 3              | 0              | 0              | 3              |
| 33  | 30             | 31             | 29             | 29             | Max. Temp. (°C)    | 33  | 33             | 33             | 33             | 33             |
| 23  | 22             | 22             | 22             | 22             | Mini. Temp. (°C)   | 24  | 24             | 24             | 24             | 24             |
| 7   | 7              | 7              | 7              | 7              | Cloud cover (Octa) | 7   | 7              | 6              | 6              | 6              |
| 91  | 77             | 90             | 82             | 90             | RH morning (%)     | 75  | 75             | 75             | 75             | 75             |
| 74  | 71             | 75             | 91             | 93             | RH evening (%)     | 60  | 60             | 60             | 60             | 60             |
| 18  | 21             | 24             | 24             | 24             | Wind (kmph)        | 12  | 12             | 12             | 12             | 12             |
| 230   | 230            | 230            | 230            | 230            | Wind Direction     | 270   | 270            | 270            | 270            | 250            |

#### Weather forecast for next five days: (09.07.2022 to 13.07.2022)

According to district forecast issued by the India Meteorological Department for Erode district, sky will be mostly cloudy. Light rainfall is expected on 09.07.22, 10.07.22 & 13.07.22. Maximum temperature is expected to be around 33°C. Minimum temperature is expected to be around 24°C. Morning relative humidity is expected to be around 75 per cent and evening relative humidity is expected to be around 60 per cent. Average wind speed is expected to be around 12 km per hour and the wind direction will be from South West direction.

## Agro Advisory

| Crop      | Stage         | Advisory  |
|-----------|---------------|---|
| General   |               | Light to moderate rainfall is expected in western zone. The wind speed would be heavy in Coimbatore district 24 km/hr compared to Erode and Tiruppur 12-20 kmph. Hence, provide adequate support to banana crops.  Irrigation may be postponed based on soil moisture.  |
| Rice      | Transplanting | Kar rice at tillering stage may be applied with 30 kg Nitrogen and 10 kg K <sub>2</sub> O/ha. Do not drain water after fertilizer application. This application may be done before 16 <sup>th</sup> July.  Since the weather is favourable for green leaf hopper infestation in Kar rice, spray fenthion 100 EC @ 500 ml / ha.  |
| Maize     | Sowing        | By utilizing the rainfall, continue the sowing of irrigated maize and sunflower.  |
| Pulses    | Sowing        | In recently sown green and black gram, gap filling may be done to ensure 33 plants/ m <sup>2</sup> .  |
| Groundnut |               | By utilizing expected rainfall prepare the land for taking up sowing of ground nut in ensuing season.   |
| Sugarcane |               | De-trashing, removal of dry cane leaves and propping is advised to avoid borer infestation in early season planted cane of 150 days old.  |
| Banana    |               | Since rainfall with heavy wind speed is expected along with rainfall, propping may be done to banana crop to prevent lodging.   |
| Turmeric  |               | Occurrence of leaf spot incidence in turmeric crop may be monitored because of heavy wind, high relative humidity and cloudiness.  In Turmeric, spray each 375 g ferrous sulphate, Zinc sulphate, Borax and of Urea in 250 lit of water/ha to correct micronutrients deficiency due to cloudy weather.  Proper drainage may be given in irrigated turmeric field to prevent rhizome rot due to continuous rainfall. |

| Coconut | By utilizing rainfall, apply fertilizer for coconut @ 650 gm urea, 1kg SuPo4, 1kg MOP and 2kg Neem cake along with 50kg FYM.  Provide inward basin in around the coconut trees to harvest rainwater in root zone.  Root feeding of TNAU coconut tonic 200ml/ tree is advised for arresting button shedding in coconut.   |
|---------|--|
| Animal  | Since Wind speed of 12 - 20 km is expected along with rainfall, provide adequate care to the animal sheds.  Due to heavy wind speed sufficient quantity of good quality of water is necessary to the poultry birds. Further provide feed during morning hours to avoid food wastage and hanging of gunny bags the border of the shed is beneficial.  Prevailing weather is conducive for mastitis disease in milch animals. Wash the udder with 1 per cent KMno <sub>4</sub> before and after milking. |

### **SMS** advisory

➤ By utilizing rainfall, apply fertilizer for coconut @ 650 gm urea, 1kg SuPo4, 1kg MOP and 2kg Neem cake along with 50kg FYM.

**Professor and Head** 

Principal Nodal Officer (GKMS) Agro Climate Research Centre