



Tamil Nadu Agricultural University

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India Meteorological Department

Agromet Advisory Bulletin for the Erode District

Bulletin No.001/2023 Issued on 03.01.2023

(From 04th January 2022 to 08th January 2023)

Issued jointly by Agro Climate Research Centre, TNAU and IMD



Past Weather for Tamil Nadu District

Weather Summary for the period since the issue of last bulletin 104 (30.12.2022) for Tamil Nadu. Maximum temperature ranged from 29°C to 35°C and minimum temperature ranged from 20°C to 24°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged from 16°C to 23°C and minimum temperature ranged from 4°C to 7°C. During this period isolated rainfall was recorded in Tamil Nadu.

Erode District Past Weather

In Coimbatore district, 30.12.22 to 02.01.23 the Maximum temperature was recorded as 30°C to 32°C and the minimum temperature was 19°C to 21°C. The Morning relative humidity recorded was 91 per cent and evening relative humidity was 32 per cent. The average wind speed recorded was 6-9 km per hour and the wind direction were from South West direction.

Weather Summary for Erode district

| Past week Summary (30.12.2022 to 02.01.2023) | | | | | Ensemble weather forecast valid until 08.30 hrs of 08.01.2023 | | | | |
|---|----------------|----------------|----------------|--------------------|--|----------------|----------------|----------------|----------------|
| Day-1 30/12 | Day-2 31/12 | Day-3 01/01 | Day-4 02/01 | Date | Day-1 04/01 | Day-2 05/01 | Day-3 06/01 | Day-4 07/01 | Day-5 08/01 |
| 0.0 | 0.0 | 0.0 | 0.0 | Rainfall | 0 | 0 | 0 | 0 | 0 |
| 31 | 30 | 31 | 32 | Max. Temp. (°C) | 30 | 30 | 31 | 31 | 31 |
| 21 | 19 | 19 | 20 | Mini. Temp. (°C) | 19 | 19 | 20 | 20 | 20 |
| 6 | 4 | 4 | 5 | Cloud cover (Octa) | 2 | 1 | 0 | 1 | 3 |
| 91 | 91 | 75 | 86 | RH morning (%) | 90 | 90 | 90 | 80 | 80 |
| 43 | 36 | 32 | 36 | RH evening (%) | 40 | 40 | 40 | 40 | 40 |
| 7 | 6 | 8 | 9 | Wind (kmph) | 4 | 4 | 6 | 4 | 6 |
| 90 | 90 | 70 | 90 | Wind Direction | 50 | 90 | 90 | 70 | 70 |

Weather forecast for next five days: (04.01.2023 to 08.01.2023)

According to district forecast issued by the India Meteorological Department for Erode district, sky will be partly cloudy. Dry weather is expected on next five days. Maximum temperature is expected to be around 30°C to 31°C. Minimum temperature is expected to be around 19°C to 20°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 direction will be from North East direction.

| 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 |
| 04-01-2023 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05-01-2023 | 0 | 0.1 | 0.1 | 0 | 0.4 | 0 | 0.1 | 0.1 | 0 | 0.2 | 0.4 | 0 | 0 | 0 |
| 06-01-2023 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07-01-2023 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08-01-2023 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Agro Advisory

| Crop | Stage | Advisory |
|-------------|------------------------|---|
| General | | <p>Dry days with low night temperature and wind speed of 4-8 km/hr is expected in western zone during next five days.</p> <p>Both day and night temperature are slowly increasing.</p> <p>Irrigation may be provided based on soil moisture.</p> |
| Rice | Vegetative and Harvest | Considering the cool dry weather during the past and current week, provide irrigation to late planted samba paddy which is at grain filling stage |
| Maize | Vegetative | <p>Downy mildew has been observed in irrigated maize with cool humid weather. Rogue out the affected plants, since the chemical would not prevent this disease now.</p> <p>For the irrigated maize crop of 45 days old, apply 74 Kg urea/ ha followed by covering and irrigation.</p> |
| Sorghum | Land preparation | Considering the clear weather, land preparation may be done for Thai pattam (Jan) irrigated sorghum sowing. |
| Bengal gram | Vegetative & Flowering | Prevailing weather conditions favourable for the wilt disease in Bengal gram therefore spray Carbendazim 1g /litre of water. |
| Cotton | | Considering the prevailing weather, kapas can be picked during the early morning, light drying in the shade, grade and stake the good kapas over sand bed in a ventilating room. |

| | | |
|-----------|----------|---|
| Sugarcane | Planting | Since the dry spell is anticipated, prepare the land for planting early season sugarcane. Before planting, land may be applied either with compost @ 25 tonnes/ha or press mud @ 37.5 tonnes/ha, followed by disc ploughing, tiller ploughing and laser leveling. Before planting sugarcane, setts may be soaked for 15 min in a solution of 100 lit of water mixed with 50 g Carbendazim + 200 ml Malathion + 1 kg urea. |
| Banana | Planting | Considering the dry spell provide irrigation after planting of banana rhizome |
| Turmeric | | Since dry weather is expected, provide irrigation to turmeric which is at its rhizome development stage. Early planted turmeric rhizome may be harvested since, dry spell is anticipated. |
| Tapioca | | Since dry weather is expected, ensure sufficient soil moisture for tapioca as it is at tuber development stage. Cercospora leaf spot is seen in the irrigated tapioca due to high relative humidity with low temperature. Spray mancozeb 2g/lit twice at 15 days interval. |
| Coconut | | It is best time for fertilizer application for coconut. Apply 650g urea, each one kg of Super Phosphate and Muriate of Potash may be applied with 500 g micronutrient, 2 kg of Neem cake and 50 kg of FYM. For nut bearing coconut, root feed TNAU coconut tonic @200ml/palm once in six months. |
| Animal | | Animals and poultry birds may be fed with clear drinking water and do not allow animals to graze freshly emerging weeds and grasses. Present weather favours the prevalence of anthrax disease in cattle especially in the villages near the Western Ghats. Get vaccinated from nearby veterinary hospitals. |

SMS advisory

- Since the dry spell is anticipated, prepare the land for planting early season sugarcane.

**Professor and Head
Principal Nodal Officer (GKMS)
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