



# Tamil Nadu Agricultural University

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India Meteorological Department

Agromet Advisory Bulletin for the Coimbatore District

Bulletin No.037/2024 Issued on 07.05.2024

(From 08<sup>th</sup> May 2024 to 12<sup>th</sup> May 2024)

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 036 (30.04.2024) for Tamil Nadu. Maximum temperature ranged from 36°C to 44°C and minimum temperature ranged from 25°C to 31°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged from 23°C to 29°C and minimum temperature ranged from 15°C to 16°C. During this period occurred rainfall was recorded in Tamil Nadu.

## Coimbatore District Past Weather

In Coimbatore district, during 03.05.2024 to 06.05.2024 the Maximum temperature was recorded was 38°C to 39°C the minimum temperature was 26°C to 28°C. The morning relative humidity recorded was 66 per cent and evening relative humidity was 36 per cent. The average wind speed recorded was 9-23 km per hour and the wind direction were from East direction.

## Weather Summary for Coimbatore district

Past Week Summary (03.05.2024 to 06.05.2024)				Ensemble weather forecast valid until 08.30 hrs of 12.05.2024					
Day-1 03/04	Day-2 04/05	Day-3 05/05	Day-4 06/05	Date	Day-1 08/05	Day-2 09/05	Day-3 10/05	Day-4 11/05	Day-5 12/05
0.0	0.9	0.8	1.3	Rainfall	5	32	35	4	7
39	39	39	38	Max. Temp. (°C)	39	37	35	35	36
28	27	27	26	Mini. Temp. (°C)	24	23	21	22	22
7	7	5	4	Cloud cover (Octa)	8	8	7	7	8
61	66	65	51	RH morning (%)	80	70	80	70	80
42	46	44	36	RH evening (%)	40	30	30	40	50
18	9	23	21	Wind (kmph)	10	8	8	8	10
200	250	230	230	Wind Direction	250	230	250	250	250

## Weather forecast for next five days: (08.05.2024 to 12.05.2024)

According to district forecast issued by the India Meteorological Department for Coimbatore district, sky will be cloudy. Moderate to heavy rainfall expected on next 5 days. Maximum temperature is expected to be around 35°C to 39°C. Minimum temperature is expected to be around 21°C to 24°C. Morning relative humidity is expected to be around 80 per cent and evening relative humidity is expected to be around 30 per cent. Average wind speed is expected to be around 8-10 km per hour and the wind direction will be from South West 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
<b>08-05-2024</b>	3.0	2.0	4.0	2.0	1.0	2.0	2.0	20.0	1.0	1.0	1.0	1.0
<b>09-05-2024</b>	21.0	27.0	25.0	19.0	16.0	18.0	21.0	21.0	19.0	25.0	21.0	16.0
<b>10-05-2024</b>	3.0	3.0	5.0	2.0	1.0	2.0	3.0	3.0	1.0	1.0	1.0	1.0
<b>11-05-2024</b>	9.0	5.0	6.0	5.0	4.0	4.0	7.0	7.0	3.0	4.0	3.0	5.0
<b>12-05-2024</b>	10.0	5.0	7.0	6.0	5.0	5.0	8.0	8.0	5.0	4.0	4.0	6.0

**Agro Advisory**

Crop	Stage	Advisory
General		<p>Rainfall is expected during this week, which will relieve the heat stress during the later part of the week. The wind speed will be between 6 - 14 km/hr.</p> <p>Irrigation may be done based on soil moisture during afternoon hours and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture.</p> <p>Plan for summer ploughing against the slope with soil inverting type ploughs.</p> <p>The saline concentration of irrigation water of wells and bore wells normally increases in summer months and this will create yellowing or browning of leaves leads to death of lower leaves. This symptom normally occurs in tapioca due to saline water irrigation. The following management measures may be adopted to reduce the damage.</p> <ul style="list-style-type: none"> <li>• Frequent irrigation to keep the soil moisture wet and to avoid accumulation of salt in the surface of the soil.</li> <li>• Irrigation may be done during early morning or late evening hours.</li> <li>• Application of organic manure to neutralize the salt.</li> <li>• Spraying of good quality water during evening and morning hours.</li> <li>• Mixing of good quality water with well water for irrigation.</li> </ul>
Sugarcane	Vegetative	<p>Considering the local circulation due to increased temperature and expected summer rains, provide propping to the sugarcane by tying opposite row to prevent from lodging.</p>

Banana		Considering the local circulation due to increased temperature and expected summer rains, provide propping to the banana of more than five months old to prevent from lodging.
Turmeric		This is the best time for preparation of land for ensuing Turmeric crop planting hence prepare the land by utilizing expected rain fall.
Coconut		Summer rains during next two months may be harvested in root zone of coconut by deepening the tree basin with inward slopes. Till then, ensure to provide 100 liters of water per tree per day to maintain the productivity.
Animal Husbandry		<p>Increasing temperature and decreasing relative humidity may cause discomfort to the animals. Hence, provide clean water to both animals and poultry.</p> <p>Application of water over the sheds of the cattle and poultry will reduce the heat stress or even hanging of wetted gunny bags will also reduce the temperature to a considerable extent.</p> <p>To avoid the heat stress, animals feed the animal during night or early morning or late evening hours.</p> <p>Summer rains may occur as thunderstorm during the afternoon hours. Safeguard the animals.</p>

#### **SMS advisory**

- Moderate rainfall with squally wind is expected. Hence farmers are requested to take suitable precautionary measures to avoid economical loss.

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