



Tamil Nadu Agricultural University
&
India Meteorological Department
Agromet Advisory Bulletin for the Coimbatore District
Bulletin No.104/2022 Issued on 30.12.2022
(From 31st December 2022 to 04th 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 103 (27.12.2022) for Tamil Nadu. Maximum temperature ranged from 26°C to 33°C and minimum temperature ranged from 19°C to 25°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged from 14°C to 20°C and minimum temperature ranged from 7°C to 11°C. During this period isolated rainfall was recorded in Tamil Nadu.

Coimbatore District Past Weather

In Coimbatore district, during 27.12.22 to 29.12.22 the Maximum temperature was recorded as 28°C to 30°C and the minimum temperature was 21°C to 22°C. The Morning relative humidity recorded was 93 per cent and evening relative humidity was 41 per cent. The average wind speed recorded was 9-15 km per hour and the wind direction were from South West direction.

Weather Summary for Coimbatore district

Past week Summary (27.12.2022 to 29.12.2022)				Ensemble weather forecast valid until 08.30 hrs of 04.01.2023				
Day-1 27/12	Day-2 28/12	Day-3 29/12	Date	Day-1 31/12	Day-2 01/01	Day-3 02/01	Day-4 03/01	Day-5 04/01
1.7	1.7	0.0	Rainfall	0	0	0	0	0
28	28	30	Max. Temp. (°C)	31	31	32	32	32
22	22	21	Mini. Temp. (°C)	21	21	22	22	22
6	6	5	Cloud cover (Octa)	0	0	0	2	2
87	93	83	RH morning (%)	90	90	90	90	90
75	51	41	RH evening (%)	40	40	40	40	40
15	12	9	Wind (kmph)	6	6	6	6	8
20	90	90	Wind Direction	70	50	90	90	70

Weather forecast for next five days: (31.12.2022 to 04.01.2023)

According to district forecast issued by the India Meteorological Department for Coimbatore district, sky will be partly cloudy. Dry weather is expected on next five days. Maximum temperature is expected to be around 31°C to 32°C. Minimum temperature is expected to be around 21°C to 22°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 6-8 km per hour and the wind direction 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
31-12-2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01-01-2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
02-01-2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
03-01-2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
04-01-2023	0.0	0.0	0.0	0.0	0.0	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 is slowly increasing.</p> <p>Irrigation may be provided based on soil moisture.</p>
Rice	Vegetative and Harvest	<p>Considering the cool dry weather during the past and current week, provide irrigation to late planted samba paddy which is at grain filling stage</p>
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>
Bengal gram	Vegetative & Flowering	<p>Prevailing weather conditions favourable for the wilt disease in Bengal gram therefore spray Carbendazim 1g /litre of water.</p>
Sugarcane	Planting	<p>Since the dry spell is anticipated, prepare the land for planting early season sugarcane. Before planting, land may be applied either with compost @ 25 ton/ha or press mud @ 37.5 ton/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.</p>

Banana	Planting	Considering the dry spell provide irrigation after planting of banana rhizome
Grapes		For summer crop based on the existing cool weather condition grapes may be pruned. In grapes both powdery mildew and downy mildew would be seen under this weather condition. To control powdery mildew spray 0.3% wettable sulphur. Against downy mildew spray 1% Bordeaux mixture.
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. To avoid the aflatoxin contamination in concentrate feed of animals, sundry the feeds during 11.00 AM – 3.00 PM. 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

- 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.

**Professor and Head
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