



**Tamil Nadu Agricultural University**  
&  
**India Meteorological Department**  
**Agromet Advisory Bulletin for the Thoothukudi district**  
**Bulletin No. 059/2022 Issued on 26.07.2022**  
**(From 27<sup>th</sup> July 2022 to 31<sup>st</sup> July 2022)**  
Issued jointly by AMFU Unit, Agricultural Research Station, Kovilpatti,  
TNAU & IMD



Weather Summary for the period since the issue of last bulletin 58 (22.07.2022) for Tamil Nadu. Maximum temperature ranged on 30-38°C and minimum temperature ranged on 21-27°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 18-21°C and minimum temperature ranged on 10-12°C. During this period wide spread distribution with very light to heavy intensity of rainfall was recorded in Tamil Nadu.

**Weather Summary for Thoothukudi district**

Past week weather Summary (22.07.2022 to 25.07.2022)				Weather Parameters	Ensemble weather forecast valid until 08:30 hrs of 31.07.2022				
Day 1 22/07	Day 2 23/07	Day 3 24/07	Day 4 25/07		Day 1 27/07	Day 2 28/07	Day 3 29/07	Day 4 30/07	Day 5 31/07
1.4	1.1	0	0	<b>Rainfall (mm)</b>	6	22	22	20	4
34	NA	NA	NA	<b>Max. Temp. (°C)</b>	35	34	34	34	35
26	NA	NA	26	<b>Min. Temp. (°C)</b>	24	24	23	23	24
5	NA	NA	5	<b>Cloud cover (Octa)</b>	7	7	7	7	7
81	NA	NA	80	<b>Relative humidity - Mor. (%)</b>	80	70	70	70	70
78	NA	NA	80	<b>Relative humidity - Eve. (%)</b>	50	50	50	50	50
2	NA	NA	3	<b>Wind speed (kmph)</b>	8	8	8	7	7
160/S	NA	NA	180/S	<b>Wind direction (dd)</b>	270/W	270/W	270/W	280/W	280/W

**Weather forecast for next five days: 27.07.2022 to 31.07.2022**

According to district forecast issued by the India Meteorological Department for Thoothukudi district, sky condition will be generally cloudy sky. Light to moderate rainfall is predicted for next five days. The Maximum temperature is expected to be around 34-35°C and Minimum temperature is expected to be around 23-24°C. Morning relative humidity is expected to be around 70-80 per cent and evening relative humidity is expected to be around 50 per cent. 24-hour wind speed is expected to be around 7-8 km per hour and the wind direction will be from West direction.

## Agromet Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Irrigated crops	Water management	Light to moderate rainfall is predicted for next five days. Farmers are advised to postpone the irrigation
Irrigated crops	Spraying	Spraying may be avoided due to continuous and moderate rainfall.
Dry land		Farmers are requested to practice the ploughing.
Rice	Vegetative to flowering stage	Field bunds may be strengthened and also to maintain the water level to avoid crop lodging.
Ground nut	Vegetative stage	Drainage channel may be strengthened to avoid the stagnation of water in the field.
Banana	All stages	<ul style="list-style-type: none"> <li><input type="checkbox"/> Continuous rainfall may damage crop, so farmers are advised to provide stake for banana plant (propping) to prevent the crop lodging.</li> <li><input type="checkbox"/> Earthing up should be done for avoiding water logged conditions and also to provide proper drainage facilities to the plant.</li> <li><input type="checkbox"/> Open deep trenches between the plant rows for improving the drainage condition of the land.</li> <li><input type="checkbox"/> Avoid planting.</li> <li><input type="checkbox"/> Present weather is conducive for Sigatoka leaf spot. As a prophylactic measure, give 0.1 per cent Propiconazole, 0.2 per cent Carbendazim and 0.25 per cent Mancozeb foliar sprays with 15-day intervals between each spray.</li> </ul>
Moringa	All the stages	Rainfall may damage the crop, so the farmers are advised to go agronomic practices such as Pinching and earthing up may be followed. <b>Pinching</b> the terminal bud on the central leader stem is necessary when it attains a height of 75cm (two months after sowing). <b>Earthing up</b> of the soil at the base of the tree is useful to give it the strength. It has also been reported that <b>spraying of Gibberellic acid @ 20 ppm</b> on 90 <sup>th</sup> day of sowing increased all the pod characters,
Coconut		Present weather is conducive for button shedding. Root feeding of the tonic @ 200 ml / palm twice a year at six months interval. Increases number and size of nuts.

**SMS:** Rain: 27-31.07- 6,22,22,20&4 mm. Postpone the irrigation. Rice- Strengthened the field bunds, maintain the water level. Ground nut - strengthened the Drainage channel. Banana- practice propping, earthing up.

<b>Tamil Nadu</b>		
Southwest monsoon has been vigorous over Tamilnadu. A north-south trough runs from Rayalaseema to Comorin Area across Tamil Nadu at 0.9 km above mean sea level. A trough from the cyclonic circulation East Rajasthan & neighbourhood to Rayalaseema now runs to Westcentral Bay of Bengal off Andhra Pradesh coast across Madhya Pradesh, east Vidarbha, south Chhattisgarh and Coastal Andhra Pradesh between 1.5 km & 3.1 km above mean sea level.		
Next five days	Weather	<input type="checkbox"/> Light to moderate rain at many places with isolated

	warning	<p>thunderstorm and lightning is likely to occur over Tamilnadu, Puducherry and Karaikal area on Day 1 (27-07-22).</p> <ul style="list-style-type: none"> <li>□ Heavy rain is likely to occur at isolated places over Chengalpattu, Villupuram, Cuddalore, Thanjavur, Tiruvarur, Nagapattinam, Mayiladuthurai, Perambalur, Ariyalur, Tiruchirappalli, Pudukkottai, Sivaganga &amp; Ramanathapuram districts of Tamilnadu, Puducherry and Karaikal area on Day 1 (27-07-22).</li> <li>□ Light to moderate rain at many places with isolated thunderstorm and lightning is likely to occur over Tamilnadu, Puducherry and Karaikal area on Day 2 (28-07-22).</li> <li>□ Heavy rain is likely to occur at isolated places over Kanyakumari, Tirunelveli, Thenkasi, Thoothukudi, Ramanathapuram, Virudhunagar, Theni, Dindigul, Madurai, Sivagangai, Tiruchirappalli, Pudukkottai, Thanjavur, Tiruvarur, Nagapattinam, Mayiladuthurai, Cuddalore, Ariyalur &amp; Perambalur districts of Tamilnadu and Karaikal area on Day 2 (28-07-22).</li> <li>□ Light to moderate rain at a few places with isolated thunderstorm and lightning is likely to occur over Tamilnadu, Puducherry and Karaikal area on Day 3 (29-07-22).</li> <li>□ Heavy rain is likely to occur at isolated places over South Tamilnadu, Nilgiris, Coimbatore, Tiruppur, Erode, Salem, Dharmapuri, Krishnagiri, Tirupattur, Karur, Namakkal &amp; Tiruchirappalli districts of Tamilnadu on Day 3 (29-07-22).</li> <li>□ Light to moderate rain at a few places with isolated thunderstorm and lightning is likely to occur over Tamilnadu, Puducherry and Karaikal area on Day 4 (30-07-22), Day 5 (31-07-22).</li> <li>□ Heavy rain is likely to occur at isolated places over Theni, Dindigul, Tenkasi, Nilgiris, Coimbatore, Tiruppur, Erode, Salem, Dharmapuri, Krishnagiri, Tirupattur, Vellore &amp; Ranipet districts of Tamilnadu Day 4 (30-07-22), Day 5 (31-07-22) .</li> </ul>
	Heavy Rainfall Warning	<ul style="list-style-type: none"> <li>□ Heavy rain is likely to occur at isolated places over Chengalpattu, Villupuram, Cuddalore, Thanjavur, Tiruvarur, Nagapattinam, Mayiladuthurai, Perambalur, Ariyalur, Tiruchirappalli, Pudukkottai, Sivaganga &amp; Ramanathapuram districts of Tamilnadu, Puducherry and Karaikal area on Day 1 (26-07-22).</li> <li>□ Heavy rain is likely to occur at isolated places over Kanyakumari, Tirunelveli, Thenkasi, Thoothukudi, Ramanathapuram, Virudhunagar, Theni, Dindigul, Madurai, Sivagangai, Tiruchirappalli, Pudukkottai,</li> </ul>

		<p>Thanjavur, Tiruvarur, Nagapattinam, ayiladuthurai, Cuddalore, Ariyalur &amp; Perambalur districts of Tamilnadu and Karaikal area on Day 2 (27-07-22).</p> <p><input type="checkbox"/> Heavy rain is likely to occur at isolated places over South Tamilnadu, Nilgiris, Coimbatore, Tiruppur, Erode, Salem, Dharmapuri, Krishnagiri, Tirupattur, Karur, Namakkal &amp; Tiruchirappalli districts of Tamilnadu on Day 3 (28-07-22).</p> <p><input type="checkbox"/> Heavy rain is likely to occur at isolated places over Theni, Dindigul, Tenkasi, Nilgiris, Coimbatore, Tiruppur, Erode, Salem, Dharmapuri, Krishnagiri, Tirupattur, Vellore &amp; Ranipet districts of Tamilnadu Day 4 (29-07-22), Day 5 (30-07-22).</p>
	<p><b>Thunderstorm Warning</b></p>	<p><input type="checkbox"/> Thunderstorm with lightning is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area on Day 1 (27-07-22) to Day 5 (31-07-22).</p>

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