



**Tamil Nadu Agricultural University**  
&  
**India Meteorological Department**  
**Agromet Advisory Bulletin for the Thoothukudi district**  
**Bulletin No. 078/2022 Issued on 30.09.2022**  
**(From 01st October 2022 to 05<sup>th</sup> October 2022)**  
Issued jointly by AMFU Unit, Agricultural Research Station, Kovilpatti,  
TNAU & IMD



Weather Summary for the period since the issue of last bulletin 77 (27.09.2022) for Tamil Nadu. Maximum temperature ranged on 30-37°C and minimum temperature ranged on 22-27°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 18-21°C and minimum temperature ranged on 10-11°C. During this period isolated distribution with very light to moderate intensity of rainfall was recorded in Tamil Nadu.

**Weather Summary for Thoothukudi district**

Past week weather Summary (25.09.2022 to 29.09.2022)					Weather Parameters	Ensemble weather forecast valid until 08:30 hrs of 05.10.2022				
Day 1 25/09	Day 2 26/09	Day 3 27/09	Day 4 28/09	Day 5 29/09		Day 1 01/10	Day 2 02/10	Day 3 03/10	Day 4 04/10	Day 5 05/10
0.0	2.9	1.9	0.9	0.0	<b>Rainfall (mm)</b>	0	0	4	4	2
NA	NA	33	34	33	<b>Max. Temp. (°C)</b>	33	33	34	34	34
NA	25	26	23	26	<b>Min. Temp. (°C)</b>	26	26	26	26	26
NA	5	3	5	4	<b>Cloud cover (Octa)</b>	4	4	6	6	6
NA	80	74	74	72	<b>Relative humidity - Mor. (%)</b>	70	70	70	70	70
NA	82	75	74	80	<b>Relative humidity - Eve. (%)</b>	50	50	50	50	50
NA	5	6	0	0	<b>Wind speed (kmph)</b>	12	10	10	12	12
0/N	200/SSW	180/S	0/N	0/N	<b>Wind direction (dd)</b>	270/W	270/W	280/W	280/W	280/W

**Weather forecast for next five days: 01.10.2022 to 05.10.2022**

According to district forecast issued by the India Meteorological Department for Thoothukudi district, sky condition will be partly to generally cloudy sky. Very light to light rainfall is predicted from day 3 (03.10.2022) to day 5 (05.10.2022). The Maximum temperature is expected to be around 33-34°C and Minimum temperature is expected to be around 26°C. Morning relative humidity is expected to be around 70 per cent and evening relative humidity is expected to be around 50 per cent. 24-hour wind speed is expected to be around 10-12 km per hour and the wind direction will be from West direction.

## Agromet Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Irrigated crops	Water management	Very light to light rainfall received during past week and very light to light rainfall is predicted for day 3 (03.10.2022) to day 5 (05.10.2022) will be not be sufficient for the crop growth. Hence, farmers are requested to go for irrigation.
Rainfed crop	Sowing	very light to light rainfall is predicted for day 3 (03.10.2022) to day 5 (05.10.2022). Farmers are advised to go for rainfed sowing, if the local weather condition prevail for receipt of rainfall.
Rainfed crops	Selection of varieties	For sowing during the ensuing northeast monsoon season under rainfed conditions select drought tolerant and pest and disease resistant varieties. KC 3 & K12 in Cotton, CoH(M) 6 in Maize, K 8 and K 12 in Sorghum, Vamban 6 & 8 in Black gram, CO 7 & CO 8 in Green gram are suitable for rainfed conditions.
	Seed treatment	In order to avoid the spread of disease and pest, farmers are advised to practice the seed treatment with chemicals like, Bevistin 2 g/ kg of seed followed (24 hrs later) bio fertilizer treatment viz., rhizobium 3 pkts for pulses; azospirillum 3 pkts for cereals and millets with phosphobacteria 3 pkts using rice gruel as sticking agent.
	Seed hardening	To increases the speed of germination and germination percentage under rainfed situation seed hardening is must. <b>Sorghum</b> - 2% Potassium dihydrogen phosphate (or) - 2 % Potassium chloride. Soaking time - 16 hours <b>Cotton</b> - 2 % Potassium chloride. Soaking time - 10 hours. (2% - Dissolve 20 gm of salt in 1000 ml of water. Soak 1 kg of seed in 650 ml of this solution and dry back to original moisture.) <b>Pulses, black gram, green gram</b> - 100 ppm Zinc sulphate, 100 ppm Manganese sulphate. Dissolve 1000 mg of salt in 1000 ml of water. Soak 1 kg of seed in 350 ml of the solution for 3 hours and dry back to original moisture or weight.
Chilli	Nursery preparation	As the rainfall is predicted farmers are advised to utilize the rainfall for nursery sowing after incorporation of neem cake in the soil to protect the seedlings from pest and diseases.
Dry land cultivation	Crop residue recycling	In order to improve the soil quality recycles the residues of harvested crops of maize, sorghum and pulses. Use rotovator or rotoslasher for cutting the residues into small pieces and incorporate them into the soil.
Coconut		Due to lack of nutrient, Button shedding is noticed. Root feeding of the TNAU coconut tonic @ 200 ml / palm twice in a year at six months interval, increases number and size of nuts.

**SMS:** Rain: 03.10-05.10-4,4&2 mm. Sowing may be taken based on the local weather prevail for receipt of rain.

<b>Tamil Nadu</b>		
Yesterday's cyclonic circulation over Westcentral Bay of Bengal off Andhra Pradesh coast persists and now extends upto 4.5 km above mean sea level.		
Next five days	Weather warning	<input type="checkbox"/> Light to moderate rain at a few places with isolated thunderstorm & lightning is likely to occur over Tamilnadu,

		<p>Puducherry &amp; Karaikal area on Day 1 (01.10.2022).</p> <ul style="list-style-type: none"> <li>□ Heavy rain is likely to occur at one or two places over Salem, Dharmapuri, Krishnagiri, Tirupattur, Vellore, Ranipet, Tiruvallur, Kancheepuram and Tiruvannamalai districts of Tamilnadu on Day 1 (01.10.2022).</li> <li>□ Thunderstorm &amp; lightning with light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry &amp; Karaikal area on Day 2 (02.10.2022).</li> <li>□ Heavy rain is likely to occur at one or two places over Nilgiris, Coimbatore, Tiruppur, Dindigul and Theni of Tamilnadu on Day 2 (02.10.2022).</li> <li>□ Thunderstorm &amp; lightning with light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry &amp; Karaikal area on Day 3 (03.10.2022).</li> <li>□ Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry &amp; Karaikal area on Day 4 (04.10.2022) &amp; Day 5 (05.10.2022).</li> </ul>
Extended range of weather forecast		Week (07 <sup>th</sup> - 13 <sup>th</sup> Oct 2022): There is possibility of normal to above normal rainfall over Tamilnadu, Puducherry and Karaikal during the week.

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