



## Tamil Nadu Agricultural University

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## India Meteorological Department

### Agromet Advisory Bulletin for the Thoothukudi district

**Bulletin No.028/2023 Issued on 06.04.2023**

**(From 7<sup>th</sup> April 2023 to 11<sup>th</sup> April 2023)**

Issued jointly by AMFU Unit, Agricultural Research Station, Kovilpatti,  
TNAU & IMD



Weather Summary for the period since the issue of last bulletin 027 (03.04.2023) for Tamil Nadu. Maximum temperature ranged on 32-38°C and minimum temperature ranged on 22-29°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 18-22°C and minimum temperature ranged on 10-12°C. During this period fairly widespread distribution with very light to moderate rainfall was recorded in Tamil Nadu.

### Weather Summary for Thoothukudi district<sup>0</sup>

Past week weather Summary (01.04.2023 to 05.04.2023)					Weather Parameters	Ensemble weather forecast valid until 08:30 hrs of 11.04.2023				
Day 1 01/04	Day 2 02/04	Day 3 03/04	Day 4 04/04	Day 5 05/04		Day 1 07/04	Day 2 08/04	Day 3 09/04	Day 4 10/04	Day 5 11/04
0.0	0.0	0.3	0.0	1.0	Rainfall (mm)	0	3	3	4	4
NA	NA	NA	NA	NA	Max. Temp. (°C)	33	33	32	33	32
NA	NA	23	NA	24	Min. Temp. (°C)	25	25	25	24	24
NA	NA	2	NA	4	Cloud cover (Octa)	1	3	3	3	3
NA	NA	77	NA	78	Relative humidity - Mor. (%)	80	80	80	80	80
NA	NA	77	NA	78	Relative humidity - Eve. (%)	60	50	50	50	50
NA	NA	5	NA	1	Wind speed (kmph)	8	8	8	4	8
NA	NA	200/ SSW	NA	160/ SSE	Wind direction (dd)	250/ WSW	200/ SSW	200/ SSW	230/ SW	230/ SW

### Weather forecast for next five days: 07.04.2023 to 11.04.2023.

According to district forecast issued by the India Meteorological Department for Thoothukudi district, sky condition will be mainly to partly cloudy. Day 2(08.04.23) to Day 5 (11.04.23) is predicted with light rainfall. The Maximum temperature is expected to be around 32-33°C and Minimum temperature is expected to be around 24-25°C. Morning relative humidity is expected to be around 80 per cent and evening relative humidity is expected to be around 50-60 per cent. 24-hour wind speed is expected to be around 4-8 km per hour and the wind direction will be from West-Southwest, South-Southwest and Southwest direction.

## Agromet Advisory

Crop	Stage	Crop Specific Advisory
Irrigated crops – rice fallow pulses	Water management	Day 2 to day 5 is predicted with light rainfall. Hence, farmers are requested to plan the irrigation based on the available soil moisture to meet the crop requirement.
Rainfall	Ploughing	As rainfall is predicted farmers are requested to go for ploughing to store the rainwater in the soil.
	Harvest	Horticultural crops viz., fruits and vegetables (chillies) and agricultural crop (rice) are requested to harvest.
	Spraying	Spraying may be avoided; however, it may be taken based on the pest incidence and local weather.
	Storage	Harvest produced are requested to store at upland area to avoid quality loss.
Rice fallow pulse	Weather	Rainfall, decrease in maximum temperature and relative humidity chance for mosaic diseases. Farmers are requested to monitor the crops and go for preventive measures.
Citrus	Citrus Canker	<ul style="list-style-type: none"> <li>□ Under the prevailing weather condition citrus canker disease is noticed. To control spray of Copper oxychloride (COC) @ 0.3% followed by 4 sprayings with Streptocyclin 100 ppm + COC @ 0.3 % at monthly intervals after pruning.</li> <li>□ Under the prevailing weather condition Citrus leaf miner is noticed To control spray fenvalerate 0.2ml or dimethoate [Rogor] 2ml/l (or) Spray application of NSKE 5%</li> </ul>
Coconut	All stages	All stages- Rugose Spiralling whitefly is noticed in the prevailed weather condition. Application of water, maida solution as spray in order to increase the population of Encarsia parasitic. Also keep yellow stick trap.
Livestock	Goat	Deworm the non-pregnant animals with liquid oxychloxamide @ 5mg/kg of body weight. Vaccinate against P.P.R and enterotoxemia. If nasal discharge and cold administer Bolus sulphadimidine 5 gram per adult animal, half of bolus per young animals.
	milch animals	Maximum temperature results to rise in body temperature, increased pulse rate, increased peripheral blood flow, reduced feed intake, and increased water intake. Measures like Thatching the roof with materials like paddy straw etc, painting the roof with white paint or, providing a false ceiling insulation will help provide a cooler environment. Create barriers against hot wind using thatched wall or wet gunny cloth/ gunny bags. Ensure increased mineral supplementation during hot weather to meet the increased demand of minerals. Potassium rich mineral mixture should be preferred.
	Livestock Disease Forecast of April month	<p><b>Foot and mouth disease and Haemorrhagic septicaemia are predicted with very low risk.</b></p> <p>Preventive measures : Yearly vaccination and Separation of infected one from healthy animals.</p> <p><b>Peste des petits ruminants- high risk</b></p> <p>Preventive Measures: Vaccination of susceptible animals above 3 months old age. Restriction on animal movement, strict biosecurity measures and proper disposal of carcass</p>

**SMS:** Rain:8-11.4-3,3,4&4mm. Irrigate the crop based on the crop requirement. Chillies- Harvest immediately and store in upland areas to avoid quality loss.

Tamil Nadu		
A cyclonic circulation lies over North Interior Karnataka & neighbourhood and extends up to 1.5 km above mean sea level. Yesterday's trough/wind discontinuity now runs from the cyclonic circulation over North Interior Karnataka to south Tamil Nadu across South Interior Karnataka at 0.9 km above mean sea level		
Next five days	Weather warning	<input type="checkbox"/> Day 1 (07-04-2023): Light / moderate rain with thunderstorm & lightning is likely to occur at isolated places over Tamil Nadu, Puducherry and Karaikal area. <input type="checkbox"/> Day 2 (08-04-2023) & Day 3 (09-04-2023): Light / moderate rain is likely to occur at isolated places over Tamil Nadu, Puducherry and Karaikal area. <input type="checkbox"/> Day 4 (10-04-2023) & Day 5 (11-04-2023): Light / moderate rain is likely to occur at isolated places over Ghat areas of Interior Tamil Nadu districts.
Extended range of weather forecast		Week (14.04.2023 to 20.04.2023): Rainfall associated with convective activity is likely over parts of Northeast India and southern peninsula (below normal rainfall)

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