



**Tamil Nadu Agricultural University**  
&  
**India Meteorological Department**  
**Agromet Advisory Bulletin for the Thoothukudi district**  
**Bulletin No.013/2023 Issued on 14.02.2023**  
**(From 15<sup>th</sup> February 2023 to 19<sup>th</sup> February 2023)**  
Issued jointly by AMFU Unit, Agricultural Research Station,  
Kovilpatti, TNAU & IMD



Weather Summary for the period since the issue of last bulletin 012 (10.02.2023) for Tamil Nadu. Maximum temperature ranged on 30-36°C and minimum temperature ranged on 15-23°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 18-25°C and minimum temperature ranged on 7-9°C. During this period dry spell was recorded in Tamil Nadu.

### Weather Summary

Past week weather Summary (09.02.2023 to 13.02.2023)					Weather Parameters	Ensemble weather forecast valid until 08:30 hrs of 18.02.2023				
Day 1 09/02	Day 2 10/02	Day 3 11/02	Day 4 12/02	Day 5 13/02		Day 1 15/02	Day 2 16/02	Day 3 17/02	Day 4 18/02	Day 5 19/02
0	0	0	0	0	<b>Rainfall (mm)</b>	0	0	0	0	1
31	31	NA	NA	NA	<b>Max. Temp. (°C)</b>	31	32	32	32	33
23	22	NA	NA	21	<b>Min. Temp. (°C)</b>	21	22	22	23	23
4	4	NA	NA	2	<b>Cloud cover (Octa)</b>	0	0	0	0	2
83	86	NA	NA	80	<b>Relative humidity - Mor. (%)</b>	80	80	80	80	80
74	69	NA	NA	66	<b>Relative humidity - Eve. (%)</b>	50	40	50	50	60
1	3	NA	NA	5	<b>Wind speed (kmph)</b>	10	10	12	12	10
110/ES E	110/ES E	NA	NA	110/ESE	<b>Wind direction (dd)</b>	20/NNE	20/NNE	90/E	70/ENE	50/NE

### Weather forecast for next five days: 15.02.2023 to 18.02.2023

According to district forecast issued by the India Meteorological Department for Thoothukudi district, sky condition will be mainly clear sky. No rainfall is predicted for next five days. The Maximum temperature is expected to be around 31-33°C and Minimum temperature is expected to be around 21-23°C. Morning relative humidity is expected to be around 80 per cent and evening relative humidity is expected to be around 40-60 per cent. 24-hour wind speed is expected to be around 10-12 km per hour and the wind direction will be from East, North-Northeast, North East and East-Northeast direction.

## Agromet Advisory

Crop	Stage	Crop Specific Advisory
Irrigated crops	Water management	Dry weather may prevail for the coming five days. Farmers are requested to irrigate the crop in frequent interval.
Rainfed and irrigate crops	Temperature/ Relative humidity	<ul style="list-style-type: none"> <li>☐ Increase in maximum temperature, chance for increase of sucking pest. Farmers were advise to monitor the sucking pest and precaution may be given. Farmers are advised to use the yellow sticky trap @ 10-15/acre to monitor the incidence of sucking pests and Blue sticky trap @ 5-10/acre to monitor the Aphids and leaf miner.</li> <li>☐ Mean Relative humidity is high chance for disease incidence. Prophylactic measures for fungal incidence may be given.</li> </ul>
Cotton	Flowering to boll development stage	Prevailing weather is conducive for boll worm. To control Quinalphos 25 EC 2.0 l/ha (or) Phosalone 35% EC 2000 ml/ha.
Rice	Flowering to Panicle initiation stage	<ol style="list-style-type: none"> <li>1. Prevailed weather is conducive for Leaf folder. So farmers are advised to spray Azadirachtin 0.03% 1000ml/ha. (or) Chlorotriniptrole 18.5%SC @ 150g/ha. (or) Thiamethoxam 25% WG @ 100g/ha.</li> <li>2. Prevailed weather is conducive for Rice case worm. So farmers are advised to spray Quinalphos 25 EC 80 ml (or) Dislodge the cases by passing a rope and drain water. Collect the cases and destroy</li> <li>3. Prevailed weather is conducive for Blast. So farmers are advised to spray Azoxystrobin 25 SC @ 500 ml/ha</li> </ol>
Jasmine	Flowering stage	Flowering stage Prevailing weather is conducive for Blossom midge Spray Thiamethoxam 2.5% WG @ 0.75 g/litre (or) Novaluron 3ml/lit. o water.
Chilli	Flowering and fruiting stage	<ul style="list-style-type: none"> <li>• Increasing day temperature favours thrips. Spray Imidacloprid 17.8 % SL @3.0 ml/10 lit.</li> <li>• Prevailing weather is conducive for Gram caterpillar @ Emamectin benzoate 5 % SG @ 4 g/10 lit.</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. I 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

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		meet the increased demand of minerals. Potassium rich mineral mixture should be preferred.

**SMS:**Rain: 08.02-1 mm. Irrigate the crop. Cotton stem weevil-apply Carbofuran 3G @ 33.3 kg/ha.

<b>Tamil Nadu</b>		
Light to moderate Easterlies/North-easterlies prevail over the region in the lower tropospheric levels		
Next five days	Weather warning	Dry weather is very likely to prevail over Tamilnadu, Puducherry and Karaikal area from Day 1 (15-02-2023) to Day 5 (19-02-2023).