



**Tamil Nadu Agricultural University**  
&  
**India Meteorological Department**  
**Agromet Advisory Bulletin for the Thoothukudi district**  
**Bulletin No.017/2023 Issued on 28.02.2023**  
**(From 01<sup>st</sup> March 2023 to 05<sup>th</sup> March 2023)**



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

Weather Summary for the period since the issue of last bulletin 016 (24.02.2023) for Tamil Nadu. Maximum temperature ranged on 30-37°C and minimum temperature ranged on 16-26°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 19-25°C and minimum temperature ranged on 5-9°C. During this period dry weather was recorded in Tamil Nadu.

**Weather Summary for Thoothukudi district**

Past week weather Summary (23.02.2023 to 27.02.2023)					Weather Parameters	Ensemble weather forecast valid until 08:30 hrs of 05.03.2023				
Day 1 23/02	Day 2 24/02	Day 3 25/02	Day 4 26/02	Day 5 27/02		Day 1 01/03	Day 2 02/03	Day 3 03/03	Day 4 04/03	Day 5 05/03
0.0	0.2	0.0	0.0	0.0	<b>Rainfall (mm)</b>	2	1	0	0	2
31	31	NA	NA	NA	<b>Max. Temp. (°C)</b>	33	33	34	35	35
21	23	NA	NA	22	<b>Min. Temp. (°C)</b>	22	23	23	24	24
3	4	NA	NA	2	<b>Cloud cover (Octa)</b>	4	4	2	3	4
78	81	NA	NA	72	<b>Relative humidity - Mor. (%)</b>	80	80	80	80	80
75	67	NA	NA	74	<b>Relative humidity - Eve. (%)</b>	60	60	50	50	60
5	2	NA	NA	3	<b>Wind speed (kmph)</b>	8	10	8	10	8
110/ES E	110/ES E	NA	NA	90/E	<b>Wind direction (dd)</b>	70/EN E	20/NN E	70/ENE	70/ENE	70/ENE

**Weather forecast for next five days: 01.03.2023 to 05.03.2023**

According to district forecast issued by the India Meteorological Department for Thoothukudi district, sky condition will mainly clear to generally cloudy sky. Very light rainfall is predicted on day 4 (28.02) and day 5 (01.03). The Maximum temperature is expected to be around 31-32°C and Minimum temperature is expected to be around 23-24°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 8-10 km per hour and the wind direction will be from North, North-Northeast and East-Northeast direction.

## Agromet Advisory

Crop	Stage	Crop Specific Advisory
General	Temperature	Temperature stress may initiate the pest incidence. So, farmers are requested to spray neem oil once in 15 days as preparatory measures.
Irrigated crops	Water management	Dry weather may prevail for the coming five days and chance for very light rainfall on day 4 and day 5. However, Farmers are requested to irrigate the crop in frequent interval.
Vegetable	Temperature	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.
Rice	Milking stage	Prevailed weather is conducive for Blast. So, farmers are advised to spray Azoxystrobin 25 SC @ 500 ml/ha
Jasmine	Flowering stage	Prevailing weather is conducive for Blossom midge. Spray Thiamethoxam 2.5% WG @ 0.75 g/litre (or) Novaluron 3ml/lit. of water.
Chilli	Fruiting stage	Prevailing weather is conducive for Gram caterpillar @ Emamectin benzoate 5 % SG @ 4 g/10 lit.
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 sulphadimindine 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.
	Poultry	Summer Management to Poultry: 1. Overcrowding of birds should be avoided. 2. Feeding should be done in cool hours of the day in the form of wet mash 3. Supplement vitamin C and B complex along with water. 4. Water tanks should be covered with low cost roofing materials. 5. Increase the frequency of watering. 6. Sprinkling water on the roof will help to bring down the shed temperature. 7. Wet gunny curtaines can be arranged on the sides of shed will reduce the heat inside the shed.

**SMS:** Rain: 1.2&5.3-2,1&2mm. based on the receipt of rainfall, plan for irrigation. Chillies- Gram caterpillar @ Emamectin benzoate 5 % SG @ 4 g/10 lit.

Tamil Nadu		
Next five days	Weather warning	<input type="checkbox"/> Light / moderate rain is likely to occur at isolated places over South Tamilnadu, Delta districts and Karaikal area on Day 1 (01-03-2023).

		<ul style="list-style-type: none"><li><input type="checkbox"/> Light / moderate rain is likely to occur at isolated places over South Coastal Tamilnadu on Day 2 (02-03-2023).</li><li><input type="checkbox"/> Light / moderate rain is likely to occur at isolated places over South Tamilnadu on Day 5 (05-03-2023).</li><li><input type="checkbox"/> Dry weather is very likely to prevail over Tamilnadu, Puducherry and Karaikal area on Day 3 (03-03-2023) and Day 4 (04-03-2023).</li></ul>
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