



**Tamil Nadu Agricultural University**  
&  
**India Meteorological Department**  
**Agromet Advisory Bulletin for the Thoothukudi district**  
**Bulletin No.011/2023 Issued on 07.02.2023**  
**(From 08<sup>th</sup> February 2023 to 12<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 010 (03.02.2023) for Tamil Nadu. Maximum temperature ranged on 25-34°C and minimum temperature ranged on 17-24°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 13-23°C and minimum temperature ranged on 7-11°C. During this period wide spread distribution of very light to heavy rainfall intensity of rainfall was recorded in Tamil Nadu.

**Weather Summary**

Past week weather Summary (02.02.2023 to 06.02.2023)					Weather Parameters	Ensemble weather forecast valid until 08:30 hrs of 12.02.2023				
Day 1 02/02	Day 2 03/02	Day 3 04/02	Day 4 05/02	Day 5 06/02		Day 1 08/02	Day 2 09/02	Day 3 10/02	Day 4 11/02	Day 5 12/02
0.0	6.4	2.1	2.0	0.2	<b>Rainfall (mm)</b>	1	0	0	0	0
32	27	NA	NA	NA	<b>Max. Temp. (°C)</b>	30	30	31	31	31
25	21	NA	NA	21	<b>Min. Temp. (°C)</b>	22	22	23	23	23
8	6	NA	NA	3	<b>Cloud cover (Octa)</b>	5	4	3	3	3
75	87	NA	NA	58	<b>Relative humidity - Mor. (%)</b>	80	80	80	80	80
88	84	NA	NA	74	<b>Relative humidity - Eve. (%)</b>	50	50	50	50	50
7	4	NA	NA	7	<b>Wind speed (kmph)</b>	8	10	12	12	10
20/NNE	360/N	NA	NA	360/N	<b>Wind direction (dd)</b>	70/E	20/NNE	50/ENE	20/NNE	20/NNE

**Weather forecast for next five days: 08.02.2023 to 12.02.2023**

According to district forecast issued by the India Meteorological Department for Thoothukudi district, sky condition will be mainly clear sky to generally cloudy sky. Very light rainfall is predicted for day 1 (08.02.2023). The Maximum temperature is expected to be around 30-31°C and Minimum temperature is expected to be around 22-23°C. Morning relative humidity is expected to be around 80 per cent and evening relative humidity is expected to be around 50 per cent. 24-hour wind speed is expected to be around 8-12 km per hour and the wind direction will be from East, North-Northeast and East-Northeast direction.

## Agromet Advisory

Crop (Varieties)	Stage	Crop Specific Advisory
Irrigated crops	Water management	Irrigation may be provided
Cotton	Flowering to boll development stage	Prevailed weather is conducive for Stem Weevil. So farmers are advised to apply Carbofuran 3G @ 33.3 kg/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) Chlorontrinirole 18.5%SC @ 150g/ha. (or) Thiamethoxam 25% WG @ 100g/ha.</li> <li>2. In the prevailing weather condition sucking pest - Thrips occurrence is noticed. Symptoms- Leaf shows discoloration and rolling. Yellow (or) silvery streaks on the leaves of young seedlings. Terminal rolling and drying of leaves from tip to base. Spray Azadirachtin 0.15% W/W @1500-2500 g/ha. (or) Thiamethoxam 25% WG 100 g/ha.</li> <li>3. 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> </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. of 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.

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

Tamil Nadu		
Light to moderate Easterlies/ North-easterlies prevail over the region in the lower tropospheric levels.		
Next five days	Weather warning	<input type="checkbox"/> Light / moderate rain is likely to occur at one or two places over South Tamilnadu on Day 1 (08-02-2023). <input type="checkbox"/> Dry weather is likely to prevail over North Tamilnadu, Puducherry and Karaikal area on Day 1 (08-02-2023). <input type="checkbox"/> Dry weather is very likely to prevail over Tamilnadu, Puducherry and Karaikal area from Day 2 (09-02-2023) to Day 5 (12-02-2023).

Professor and Head  
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