



**Tamil Nadu Agricultural University**  
&  
**Indi Meteorological Department**  
**Agromet Advisory Bulletin for the Tirunelveli 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	7.8	4.5	7.5	0.0		0	0	0	0	0
32	29	27	27	31	<b>Max. Temp. (°C)</b>	31	31	32	32	32
23	23	22	22	22	<b>Min. Temp. (°C)</b>	21	21	22	22	22
5	7	8	6	3	<b>Cloud cover (Octa)</b>	6	4	3	3	2
70	72	82	70	69	<b>Relative humidity - Mor. (%)</b>	80	80	80	80	80
67	72	72	70	46	<b>Relative humidity - Eve. (%)</b>	30	30	30	20	20
2	0	0	2	0	<b>Wind speed (kmph)</b>	8	10	12	12	10
360/N	0/N	0/N	360/N	0/N	<b>Wind direction (dd)</b>	50/ENE	20/NNE	20/NNE	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 Tirunelveli district, sky condition will be mainly clear sky to generally cloudy sky.. No rainfall is predicted for next five days. The Maximum temperature is expected to be around 31-32°C and Minimum temperature is expected to be around 21-22°C. Morning relative humidity is expected to be around 80 per cent and evening relative humidity is expected to be around 20-30 per cent. 24-hour wind speed is expected to be around 8-12 km per hour and the wind direction will be from East-Northeast and North-Northeast direction.

### Agromet Advisory

Crop (Varieties)	Stage	Crop Specific Advisory
Irrigated crops	Water management	Irrigation may be provided.
Harvesting	Rainfall	Harvest the Agricultural & horticultural produce with all precaution measure to safeguard the produce from sudden rainfall.
Cotton	Flowering to boll development stage	<ol style="list-style-type: none"> <li>1. Prevailing weather is conducive for boll worm. To control Quinalphos 25 EC 2.0 l/ha (or) Phosalone 35% EC 2000 ml/ha.</li> <li>2. Prevailed weather is conducive for stem weevil. So farmers are advised to apply of Neem cake @ 250 kg/ha (or) drenching collar region with Carbofuran 3G @ 33.3 kg/ha.</li> </ol>
Rice	Flowering to Panicle initiation stage	<ol style="list-style-type: none"> <li>1. Prevailed weather is conducive for Blast. So farmers are advised to spray Azoxystrobin 25 SC @ 500 ml/ha</li> <li>2. Prevailed weather is conducive for Leaf folder. So farmers are advised to spray Azadirachtin 0.03% 1000ml/ha. (or) Chlorotrinirole 18.5%SC @ 150g/ha. (or) Thiamethoxam 25% WG @ 100g/ha.</li> <li>3. In the prevailing weather condition stem borer incidence is noticed. ETL: 25% Dead heart symptoms. Farmers are advised to spray Neem seed kernel extract (or) Azadirachtin 0.03% 1000 ml/ha (or) insecticides Chlorpyrifos 20% EC 1.25 l/ha (or) Chlorantraniliprole 18.5% SC 150 ml/ha.</li> </ol>
Sugarcane	Tillering to Flowering stage	<p>Prevailed weather and crop stage is conducive for Inter node borer. To control</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Collect and destroy the eggs periodically.</li> <li><input type="checkbox"/> Detrash the crop on 150<sup>th</sup> and 210<sup>th</sup> day of planting. Detrashing dislodge the pupae that remain in the leaf sheath.</li> <li><input type="checkbox"/> Install pheromone traps @ 10 Nos. /ha for surveillance and monitoring, change the septa/lure once in 45 days.</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.
Chilli	Flowering and fruiting stage	<ul style="list-style-type: none"> <li><input type="checkbox"/> Increasing day temperature favours thrips. Spray Imidacloprid 17.8 % SL @3.0 ml/10 lit.</li> <li><input type="checkbox"/> Prevailing weather is conducive for Gram caterpillar @ Emamectin benzoate 5 % SG @ 4 g/10 lit.</li> </ul>

**SMS:** Rain: Nil. Advised for irrigation. 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	<ul style="list-style-type: none"><li data-bbox="655 192 1461 271">☐ Light / moderate rain is likely to occur at one or two places over South Tamilnadu on Day 1 (08-02-2023).</li><li data-bbox="655 271 1461 349">☐ Dry weather is likely to prevail over North Tamilnadu, Puducherry and Karaikal area on Day 1 (08-02-2023).</li><li data-bbox="655 349 1461 495">☐ 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).</li></ul>
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**Professor and Head  
Agricultural Research Station  
Kovilpatti**