



**Tamil Nadu Agricultural University**  
&  
**Indi Meteorological Department**  
**Agromet Advisory Bulletin for the Tirunelveli district**  
**Bulletin No. 104/2022 Issued on 30.12.2022**  
**(From 31<sup>st</sup> December 2022 to 04<sup>th</sup> January 2023)**  
Issued jointly by AMFU Unit, Agricultural Research Station,  
Kovilpatti, TNAU & IMD



Weather Summary for the period since the issue of last bulletin 103 (27.12.2022) for Tamil Nadu. Maximum temperature ranged on 26-34°C and minimum temperature ranged on 19-25°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 14-20°C and minimum temperature ranged on 7-11°C. Wide spread distribution with very light to moderate intensity of rainfall was recorded during previous week in Tamil Nadu.

**Weather Summary**

Past week weather Summary (27.12.2022 to 29.12.2022)			Weather Parameters	Ensemble weather forecast valid until 08:30 hrs of 04.01.2023				
Day 1 27/12	Day 2 28/12	Day 3 29/12		Day 1 31/12	Day 2 01/01	Day 3 02/01	Day 4 03/01	Day 5 04/01
15.1	23.0	11.5	<b>Rainfall (mm)</b>	0	0	0	1	2
33	34	33	<b>Max. Temp. (°C)</b>	33	33	34	34	33
24	24	23	<b>Min. Temp. (°C)</b>	23	24	24	23	23
5	3	3	<b>Cloud cover (Octa)</b>	2	2	3	3	4
75	74	74	<b>Relative humidity - Mor. (%)</b>	90	90	90	90	90
46	50	55	<b>Relative humidity - Eve. (%)</b>	50	40	40	50	50
0	0	0	<b>Wind speed (kmph)</b>	8	6	6	6	12
0/N	0/N	0/N	<b>Wind direction (dd)</b>	70/ENE	20/NNE	70/ENE	70/ENE	20/NNE

**Weather forecast for next five days: 31.12.2022 to 04.01.2023**

According to district forecast issued by the India Meteorological Department for Tirunelveli district, sky condition will be mainly to partly cloudy sky. Very light rainfall is predicted on day 4(3.1.23) & Day 5 (4.1.23). The Maximum temperature is expected to be around 33-34°C and Minimum temperature is expected to be around 23-24°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 40-50 per cent. 24-hour wind speed is expected to be around 6-12 km per hour and the wind direction will be from East -North East and North-Northeast direction.

### Agromet Advisory

Crop (Varieties)	Stage	Crop Specific Advisory
Irrigated crops	Water management	Very rainfall is predicted on day 4(3.1.23) & Day 5 (4.1.23), dry spell may occur during the week. Hence, the farmers are requested to irrigate the crop.
Rainfed / Horticultural crop	Spraying	If the weather with high morning relative humidity continues without rainfall, it favors for disease occurrence. Hence, farmers are requested to monitor the crops and go for fungicide application.
Cotton crop	Flowering stage	Relative humidity and rainfall have positive correlation with Leafhopper incidence. If the incidence is noticed spray Imidacloprid 200 SL 100 ml/ha (or) apply neem oil formulation 0.5 % (or) neem oil 3% thrice at fortnightly intervals.
Rice	Panicle initiation stage	<ul style="list-style-type: none"> <li><input type="checkbox"/> High humidity and optimum temperature are the important factors for the leaf folder incidence. To control spray CartapHydrochloride 50 % SP 1000 g/ha (or) Chlorantraniliprole 18.5% SC 150 g/ha.</li> <li><input type="checkbox"/> To combat the drought, spray PPFM @ 250-400ml /200 litres of water or spray 2-3kg of KCL with 200 litres of water at evening hours.</li> <li><input type="checkbox"/> Rice Blast disease is favored by long periods of free moisture, high humidity, little or no wind at night, and night temperatures between 17 and 22°C. Leaf wetness from dew or other sources is required for infection. Sporulation is greatest when relative humidity is above 93%. Management: If the disease aggravates spray Tricyclazole 1.5ml/lit followed by 15 days interval 2 times. Spray before 11.00 am or after 3.00 pm.</li> </ul>

**SMS:** Rain: 28-01.01-8,3,3,4&2 mm. Irrigate the crop. Cotton - Leafhopper - neem oil 3% thrice at fortnightly intervals. Rice- leaf folder -spray Chlorantraniliprole 18.5% SC 150 g/ha.

<b>Tamil Nadu</b>		
Light to moderate Easterlies/ Northeasterlies prevails over the region in the lower tropospheric levels.		
Next five days	Weather warning	<ul style="list-style-type: none"> <li><input type="checkbox"/> Light rain is likely to occur at one or two places over south Tamilnadu. Haze/Mist is likely to occur at one or two places over north interior Tamil Nadu during morning hours on Day 1(31-12-2022)</li> <li><input type="checkbox"/> Dry weather is likely to prevail over Tamilnadu, Puducherry &amp; Karaikal area on Day 2(01-01-2023) to Day 5(04-01-2023)</li> </ul>
Extended range forecast		<b>Rainfall:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Week-1 (30<sup>th</sup> Dec 2022 – 05<sup>th</sup> Jan 2023): Generally dry conditions are likely over Tamilnadu, Puducherry and Karaikal during the week-1.</li> <li><input type="checkbox"/> Week-2 (06<sup>th</sup> -12<sup>th</sup> Jan 2023): Generally dry conditions or light rain</li> </ul>

		is likely over Tamilnadu, Puducherry and Karaikal during the week-2.
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**Professor and Head  
Agricultural Research Station  
Kovilpatti**