



**Tamil Nadu Agricultural University**  
&  
**Indi Meteorological Department**  
**Agromet Advisory Bulletin for the Tirunelveli district**  
**Bulletin No.028/2023 Issued on 06.04.2023**  
**(From 7<sup>th</sup> April 2023 to 11<sup>th</sup> April 2023)**  
Issued jointly by AMFU Unit, Agricultural Research Station,  
Kovilpatti, TNAU & IMD



Weather Summary for the period since the issue of last bulletin 027 (03.04.2023) for Tamil Nadu. Maximum temperature ranged on 32-38°C and minimum temperature ranged on 22-29°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 18-22°C and minimum temperature ranged on 10-12°C. During this period fairly widespread distribution with very light to moderate rainfall was recorded in Tamil Nadu.

**Weather Summary for Tirunelveli district**

| Past week weather Summary (01.04.2023 to 05.04.2023) |                |                |                |                | Weather Parameters           | Ensemble weather forecast valid until 08:30 hrs of 11.04.2023 |                |                |                |                |
|--|----------------|----------------|----------------|----------------|------------------------------|---|----------------|----------------|----------------|----------------|
| Day 1<br>01/04                                       | Day 2<br>02/04 | Day 3<br>03/04 | Day 4<br>04/04 | Day 5<br>05/04 |                              | Day 1<br>07/04  | Day 2<br>08/04 | Day 3<br>09/04 | Day 4<br>10/04 | Day 5<br>11/04 |
| 0.0  | 3.3            | 0.0            | 0.0            | 0.0            | Rainfall (mm)                | 3   | 3              | 3              | 4              | 4              |
| 38   | 38             | 38             | 37             | 37             | Max. Temp. (°C)              | 37  | 37             | 36             | 36             | 36             |
| 25   | 25             | 25             | 25             | 25             | Min. Temp. (°C)              | 25  | 25             | 24             | 24             | 24             |
| 3  | 3              | 3              | 3              | 3              | Cloud cover (Octa)           | 3   | 4              | 3              | 4              | 4              |
| 63   | 63             | 64             | 56             | 60             | Relative humidity - Mor. (%) | 80  | 80             | 70             | 70             | 80             |
| 44   | 43             | 44             | 43             | 43             | Relative humidity - Eve. (%) | 30  | 30             | 30             | 40             | 40             |
| 0  | 0              | 1              | 2              | 1              | Wind speed (kmph)            | 6   | 8              | 8              | 6              | 6              |
| 0/N  | 0/N            | 140/SE         | 320/NW         | 320/NW         | Wind direction (dd)          | 250/<br>WSW   | 200/<br>SSW    | 200/<br>SSW    | 230/SW         | 250/<br>WSW    |

**Weather forecast for next five days: 07.04.2023 to 11.04.2023.**

According to district forecast issued by the India Meteorological Department for Tirunelveli district, sky condition will be partly cloudy sky. Light rainfall is predicted for next five day. The Maximum temperature is expected to be around 36-37°C and Minimum temperature is expected to be around 24-25°C. Morning relative humidity is expected to be around 70-80 per cent and evening relative humidity is expected to be around 30-40 per cent. 24-hour wind speed is expected to be around 6-8 km per hour and the wind direction will be from Wset-Southwest, South-Southwest and South west direction.

### Agromet Advisory

| Crop            | Stage                                     | Crop Specific Advisory  |
|-----------------|---|---|
| Irrigated crops | Water management                          | Rainfall is predicted for next five days; farmers are requested to postpone the irrigation based on the local weather prevail.  |
| Rainfall        | Ploughing                                 | As rainfall is predicted farmers are requested to go for ploughing to store the rainwater in the soil.  |
|                 | Harvest                                   | Horticultural crops viz., fruits and vegetables and agricultural crop (rice) are requested to harvest.  |
|                 | Spraying                                  | Spraying may be avoided; however, it may be taken based on the pest incidence and local weather.  |
|                 | Storage                                   | Harvest produced are requested to store at upland area to avoid quality loss.   |
| 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.   |
| Citrus          | Citrus Canker                             | <p>☐ Under the prevailing weather condition citrus canker disease is noticed. To control spray of Copper oxychloride (COC) @ 0.3% followed by 4 sprayings with Streptocyclin 100 ppm + COC @ 0.3 % at monthly intervals after pruning.</p> <p>☐ Under the prevailing weather condition Citrus leaf miner is noticed. To control spray fenvalerate 0.2ml or dimethoate [Rogor] 2ml/l (or) Spray application of NSKE 5%</p>   |
| 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. |
|                 | Livestock Disease Forecast of April month | Foot and mouth disease, Haemorrhagic septicaemia, Peste des petits ruminants are predicted with very low risk.<br><b>Preventive measures</b> - Yearly vaccination and Separation of infected one from healthy animals   |

**SMS:** Rain: 7-11.04-3,3,3,4&4mm. Avoid irrigation and spraying. Harvest the produce and kept safe.

**Tamil Nadu**

A cyclonic circulation lies over North Interior Karnataka & neighbourhood and extends up to 1.5 km above mean sea level. Yesterday's trough/wind discontinuity now runs from the cyclonic circulation over North Interior Karnataka to south Tamil Nadu across South Interior Karnataka at 0.9 km above mean sea level

|                                    |                 |  |
|------------------------------------|-----------------|--|
| Next five days                     | Weather warning | <input type="checkbox"/> Day 1 (07-04-2023): Light / moderate rain with thunderstorm & lightning is likely to occur at isolated places over Tamil Nadu, Puducherry and Karaikal area.<br><input type="checkbox"/> Day 2 (08-04-2023) & Day 3 (09-04-2023): Light / moderate rain is likely to occur at isolated places over Tamil Nadu, Puducherry and Karaikal area.<br><input type="checkbox"/> Day 4 (10-04-2023) & Day 5 (11-04-2023): Light / moderate rain is likely to occur at isolated places over Ghat areas of Interior Tamil Nadu districts. |
| Extended range of weather forecast |                 | Week (14.04.2023 to 20.04.2023): Rainfall associated with convective activity is likely over parts of Northeast India and southern peninsula (below normal rainfall)   |

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