



Tamil Nadu Agricultural University
&
Indi Meteorological Department
Agromet Advisory Bulletin for the Tirunelveli district



Bulletin No. 065/2022 Issued on 16.08.2022
(From 17th August 2022 to 21st August 2022)

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

Weather Summary for the period since the issue of last bulletin 64 (12.08.2022) for Tamil Nadu. Maximum temperature ranged on 29-38°C and minimum temperature ranged on 22-29°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 16-22°C and minimum temperature ranged on 8-11°C. During this period wide spread distribution with very light to moderate intensity of rainfall was recorded in Tamil Nadu.

Weather Summary for Tirunelveli district

| Past week weather Summary (11.08.2022 to 15.08.2022) | | | | | Weather Parameters | Ensemble weather forecast valid until 08:30 hrs of 21.08.2022 | | | | |
|--|----------------|----------------|----------------|----------------|-------------------------------------|---|----------------|----------------|----------------|----------------|
| Day 1 11/08 | Day 2 12/08 | Day 3 13/08 | Day 4 14/08 | Day 5 15/08 | | Day 1 17/08 | Day 2 18/08 | Day 3 19/08 | Day 4 20/08 | Day 5 21/08 |
| 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | Rainfall (mm) | 3 | 4 | 5 | 8 | 2 |
| 34 | 35 | 36 | 36 | NA | Max. Temp. (°C) | 36 | 36 | 35 | 34 | 35 |
| 24 | 24 | 25 | 24 | NA | Min. Temp. (°C) | 25 | 25 | 25 | 24 | 26 |
| 3 | 3 | 3 | 3 | NA | Cloud cover (Octa) | 5 | 6 | 6 | 7 | 6 |
| 75 | 73 | 40 | 72 | NA | Relative humidity - Mor. (%) | 65 | 65 | 65 | 70 | 65 |
| 42 | 46 | 39 | 40 | NA | Relative humidity - Eve. (%) | 50 | 50 | 50 | 60 | 55 |
| 2 | 5 | 6 | 4 | NA | Wind speed (kmph) | 12 | 12 | 12 | 12 | 12 |
| 300/ WNW | 320/NW | 320/N W | 300/N W | NA | Wind direction (dd) | 270/W | 270/W | 270/W | 270/W | 270/W |

Weather forecast for next five days: 17.08.2022 to 21.08.2022

According to district forecast issued by the India Meteorological Department for Tirunelveli district, sky condition will be partly to generally cloudy sky. Light rainfall is predicted for next five days. The Maximum temperature is expected to be around 34-36°C and Minimum temperature is expected to be around 24-26°C. Morning relative humidity is expected to be around 65-70 per cent and evening relative humidity is expected to be around 50-60 per cent. 24-hour wind speed is expected to be around 12 km per hour and the wind direction will be from West direction.

Agro Advisory

| Crop/ Ecosystem | Stage / Activities | Advisories |
|--------------------|----------------------------|---|
| Irrigated crops | Water management | <input type="checkbox"/> Light rainfall is predicted for next five days. Farmers are advised to postpone the irrigation. <input type="checkbox"/> However, irrigation may be planned based on crop stress. |
| | Spraying | As moderate relative humidity and high wind speed is predicted for next five days, more chance for disease spread. So, farmers are advised to take the prophylactic measures to control the disease spread. |
| Green manure | | Farmers are request to make use of the intermittent rainfall for growing green manure crop in the Late Pishanam rice field as insitu moisture conservation. |
| Rice | Flowering to milking stage | Presence of rain and high humidity with high wind is conducive for False smut disease spores from plant to plant. Spraying of copper oxychloride @ 2.5 g/litre or Propiconazole @ 1.0 ml/litre at boot leaf and milky stages will be more useful to prevent the fungal infection. |
| Banana | All stages | Sigatoka leaf spot spreads fast in a humid weather. Farmers are advised to go with foliar sprays of 0.1 per cent Propiconazole, 0.2 per cent Carbendazim and 0.25 per cent Mancozeb with 15-day intervals between each spray as a prophylactic measure. |

SMS: Rain: 17-21.08-3,4,5,8&2 mm. Sow the green manure crop in Late Pishanam rice field as insitu moisture conservation.

| Tamil Nadu | | |
|---|-----------------|---|
| Yesterday's north-south trough now runs from Rayalaseema to Gulf of Mannar across Tamilnadu at 0.9 km above mean sea level. | | |
| Next five days | Weather warning | <input type="checkbox"/> Light to moderate rain at a few places with isolated Thunderstorm & lightning is likely to occur over Tamilnadu, Puducherry and Karaikal area on Day 1 (17.08.22). <input type="checkbox"/> Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Erode, Dharmapuri and Salem districts of Tamilnadu on Day 1 (17.08.22). <input type="checkbox"/> Light to moderate rain at a few places with isolated Thunderstorm & lightning is likely to occur over Tamilnadu, Puducherry and Karaikal area on Day 2 (18.08.22). <input type="checkbox"/> Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Erode, Krishnagiri, Dharmapuri, Salem and Namakkal districts of Tamilnadu on Day 2 (18.08.22). <input type="checkbox"/> Light to moderate rain at a few places with isolated Thunderstorm & lightning is likely to occur over Tamilnadu, Puducherry and Karaikal area on Day 3 (19.08.22). <input type="checkbox"/> Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Erode, Salem, Dharmapuri, Krishnagiri, |

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|--|--|--|
| | | <p>Kallakurichi, Cuddalore, Mayiladuthurai, Pudukkottai, Thanjavur, Tiruvarur, Nagapattinam, Tiruchirapalli, Ariyalur, Perambalur, Namakkal, Karur, Dindigul, Theni and Tiruppur districts of Tamilnadu, Puducherry & Karaikal on Day 3 (19.08.22).</p> <ul style="list-style-type: none"><input type="checkbox"/> Light to moderate rain is likely to occur at a few places over Tamilnadu, Puducherry and Karaikal area on Day 4 (20.08.22).<input type="checkbox"/> Light to moderate rain is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area on Day 5 (21-08-22). |
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