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|   | **Gramin Krishi Mausam Sewa (GKMS)****Agromet Field Unit (AMFU)**Agricultural Research Station, TNAU, Kovilpatti - 628 501Email: agmet\_arskpt@yahoo.co.in, amfukovilpatti@gmail.com |  |

**Thirunelveli District level AAB No. 101/2024 Day & Date: Tuesday &** **17.12.2024**

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| **Observed weather for the period 10th December to 16th December 2024** | **Weather Parameters / Date** | **Weather forecast****(Valid from 18th December 2024 to 8:30 hrs of 22nd December 2024)** |
| **10/12** | **11/12** | **12/12** | **13/12** | **14/12** | **15/12** | **16/12** | **Day 1****18/12** | **Day 2****19/12** | **Day 3****20/12** | **Day 4****21/12** | **Day 5****22/12** |
| 0.0 | 0.0 | 1.0 | 228.9 | 76.5 | 42.4 | 4.2 | **Rainfall (mm)** | 10 | 5 | 4 | 4 | 4 |
| 31 | 31 | 31 | 24 | 25 | 24 | 27 | **Max. Temp. (oC)** | 27 | 27 | 27 | 26 | 26 |
| 25 | 25 | 24 | 23 | 21 | 21 | 23 | **Min. Temp. (oC)** | 23 | 23 | 23 | 22 | 22 |
| Generally cloudy | Generally cloudy | Mainly cloudy | Mainly cloudy | Mainly cloudy | Generally cloudy | Partly cloudy | **Sky condition**  | Generally cloudy | Generally cloudy | Generally cloudy | Generally cloudy | Generally cloudy |
| 86 | 83 | 90 | 96 | 95 | 95 | 95 | **RH - Mor. (%)** | 95 | 95 | 95 | 93 | 93 |
| 66 | 61 | 95 | 90 | 90 | 85 | 90 | **RH - Eve. (%)** | 90 | 90 | 90 | 88 | 88 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | **Wind speed (kmph)** | 6 | 6 | 6 | 4 | 4 |
| N | N | N | N | N | N | N | **Wind direction**  | E | E | E | E | E |

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| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2024 to till dated** |
| **353.0** | **1526.9** |

**Weather forecast**

* The maximum temperature is expected to decrease 4oC compared to the previous week.
* Light rain is expected for the next five days.
* Sky condition will be generally cloudy.
* Wind speed is expected to be 4-6 km per hour and the wind direction will be from East direction.

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| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops  | Water management | Farmers are advised to postpone the irrigation based on the crop requirement. |
| Rainfed crops | Rainfall | To prevent crop damage from continuous rainfall, farmers are advised to ensure proper drainage systems to avoid water stagnation in the fields. |
| Rainfed & irrigated crops | Rainfall | Postpone spraying; however, it may be practiced based on local weather conditions. |
| Paddy  | Vegetative  | Maintain the water level to avoid crop damage and application of fertilizer based on the local weather.  |
| Transplanting | Maintain the water level and ensure strong bunds to prevent crop lodging |
| Sugarcane  | All the stages | Continuous rainfall may lodge the crop; hence, farmers are advised to provide support by propping and to practice earthing up. |
| Live stock  | Shelter  | Ensure the stability of animal shed structures and avoid stagnation of water around the shed. Provide adequate drinking water as the humidity is very high. |
| Human | Rainfall | The public is requested to carry umbrellas or raincoats and take preventive measures against the cold. |

SMS: Rain: 18-22.12-10,5,4,4&4 mm. Ensure proper drainage. Paddy – Avoid lodging-Maintain the water level and ensure strong bunds. Sugarcane- practice propping.

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| **Tamil Nadu** |
| Yesterday’s Low-Pressure area over central parts of South Bay of Bengal now lies over southwest Bay of Bengal at 0830 IST of today, the 17th December, 2024. The associated cyclonic circulation extends upto 5.8 km above mean sea level. It is likely to become more marked and move west northwestwards towards Tamil Nadu coast during next 2 days. |
| Weather forecast  | Next five days | * **Day 1 (18.12.2024):** Light to moderate rain at a few places (at many places over North Coastal Tamilnadu and at one or two places over rest Tamilnadu) with thunderstorm and lighting at one or two places is likely to occur over Tamilnadu.
* **Day 2 (19.12.2024) :** Light to moderate rain at a few places (at many places over North Coastal Tamilnadu and at a few places over rest Tamilnadu) with thunderstorm and lighting at one or two places is likely to occur over Tamilnadu.
* **Day 3 (20.12.2024):** Light to moderate rain at a few places with thunderstorm and lighting at one or two places is likely to occur over Tamilnadu.
* **Day 4 (21.12.2024):** Light to moderate rain at a few places with thunderstorm and lighting at one or two places is likely to occur over Tamilnadu.
* **Day 5 (22.12.2024):** Light to moderate rain is likely to occur at one or two places over Tamilnadu.
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| Thunderstorm Warning |  | **Day 1 (18.12.2024) to Day 4 (21.12.2024):** Thunderstorm with lightning is likely to occur at one or two places over Tamilnadu. |
| Wind warning |  | **Day 1 (18.12.2024) and Day 2 (19.12.2024):** Surface winds, strong and gusty at times, speed reaching 35 to 45 kmph is likely over North Coastal areas of Tamilnadu. |
| Extended range  |  | Week (20-12-2024 to 26-12-2024): Near normal to slightly above normal rainfall is likely over western ghat and adjoining extreme north interior districts and near normal to slightly below normal rainfall is likely over rest of Tamilnadu. |

**Professor and Head**

**Agricultural Research Station**

 **Kovilpatti**