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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.102/2024 Day & Date: Friday &** **20.12.2024**

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| **Observed weather for the period 13th December to 19th December 2024** | **Weather Parameters / Date** | **Weather forecast****(Valid from 21st December 2024 to 8:30 hrs of 25th December 2024)** |
| **13/12** | **14/12** | **15/12** | **16/12** | **17/12** | **18/12** | **19/12** | **Day 1****21/12** | **Day 2****22/12** | **Day 3****23/12** | **Day 4****24/12** | **Day 5****25/12** |
| 228.9 | 76.5 | 42.4 | 4.2 | 0.0 | 1.0 | 0.0 | **Rainfall (mm)** | 20 | 16 | 14 | 8 | 14 |
| 24 | 25 | 24 | 27 | 28 | 31 | 32 | **Max. Temp. (oC)** | 31 | 31 | 31 | 31 | 31 |
| 23 | 21 | 21 | 23 | 23 | 25 | 25 | **Min. Temp. (oC)** | 25 | 25 | 25 | 25 | 25 |
| Mainly cloudy | Mainly cloudy | Generally cloudy | Partly cloudy | Partly cloudy | Partly cloudy | Generally cloudy | **Sky condition** | Generally cloudy | Generally cloudy | Generally cloudy | Generally cloudy | Generally cloudy |
| 96 | 95 | 95 | 95 | 90 | 93 | 89 | **RH - Mor. (%)** | 89 | 89 | 92 | 92 | 92 |
| 90 | 90 | 85 | 90 | 60 | 65 | 69 | **RH - Eve. (%)** | 69 | 69 | 72 | 72 | 72 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | **Wind speed (kmph)** | 4 | 8 | 4 | 4 | 4 |
| N | N | N | N | N | N | SSE | **Wind direction** | NNW | N | N | ESE | ENE |

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| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2024 to till dated** |
| **353.0** | **1527.9** |

**Weather forecast**

* The maximum temperature is expected to decrease 1oC compared to the previous week.
* Light to moderate rain is expected for the next five days.
* Sky condition will be generally cloudy.
* Wind speed is expected to be 4-8 km per hour and the wind direction will be from North-Northwest, North, East-Southeast and East-Northeast direction.

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| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops  | Water management | Farmers are advised to postpone the irrigation. |
| 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: 21-25.12-20,16,14,8&14 mm. Ensure proper drainage. Paddy – Avoid lodging-Maintain the water level and ensure strong bunds. Sugarcane- practice propping.

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| **Tamil Nadu Weather forecast** |
| Next five days  | * Day 1 (21.12.2024): Light to moderate rain with thunderstorm and lightning is likely to occur at one or two places Tamilnadu.
* Haze/Mist is likely to prevail during early morning hours at isolated pockets over Tamilnadu.
* Day 2 (22.12.2024): Light to moderate rain is likely to occur at one or two places over Tamilnadu.
* Haze/Mist is likely to prevail during early morning hours at isolated pockets over Tamilnadu.
* Day 3 (23.12.2024) to Day 5 (25.12.2024): Light to moderate rain is likely to occur at one or two places over Tamilnadu.
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| Extended range  | Week (27-12-2024 to 02-01-2025): Near normal to slightly above normal rainfall is likely over Tamilnadu. |

**Professor and Head**

**Agricultural Research Station**

 **Kovilpatti**