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

**Virudhunagar 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** |
| 83.4 | 70.2 | 1.1 | 0.0 | 0.0 | 17.7 | 0.0 | **Rainfall (mm)** | 12 | 18 | 14 | 30 | 30 |
| 27 | 26 | 24 | 30 | 31 | 33 | 35 | **Max. Temp. (oC)** | 34 | 34 | 33 | 33 | 33 |
| 23 | 21 | 20 | 21 | 22 | 23 | 25 | **Min. Temp. (oC)** | 23 | 23 | 23 | 23 | 23 |
| Mainly cloudy | Mainly cloudy | generally cloudy | Clear sky | generally cloudy | generally cloudy | generally cloudy | **Sky condition** | generally cloudy | generally cloudy | Mainly cloudy | Mainly cloudy | Mainly cloudy |
| 94 | 91 | 88 | 80 | 82 | 90 | 92 | **RH - Mor. (%)** | 92 | 92 | 96 | 96 | 96 |
| 93 | 90 | 58 | 58 | 70 | 54 | 71 | **RH - Eve. (%)** | 71 | 71 | 80 | 80 | 80 |
| 10 | 10 | 7 | 11 | 6 | 4 | 5 | **Wind speed (kmph)** | 4 | 4 | 4 | 4 | 10 |
| E | NNW | NNE | E | ESE | SE | SE | **Wind direction** | NNE | NNW | ESE | SSE | E |

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| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2024 to till dated** |
| **172.4** | **854.1** |

**Weather forecast**

● The maximum temperature is expected to decrease 1oC compared to the previous week

● Light to moderate rain is predicted for the next five days.

* Sky condition will be generally to mainly cloudy.
* Wind speed is expected to be 4-10 km per hour and the wind direction will be in North-Northeast, North-Northwest, East-Southeast, South-Southeast and 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 & irrigated 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 crops | Rainfall | Postpone spraying; however, it may be practiced based on local weather conditions. |
| Maize | Cob formation stage | Continuous rainfall and wind may affect the crop stand; hence farmers are requested to practice **earth up and form new ridges** to provide additional anchorage to the plants. |
| Cotton | Square formation to Boll bursting stage | * Crop residue mulching may be done to reduce the soil erosion. * Precaution may be taken to avoid water stagnation in the field. |
| Paddy | Vegetative stage | * Maintain an appropriate water level to prevent crop damage. * Warm, moist weather, short day length, low temperature favours stem borer. To control spray Azadirachtin 0.03% @1000 ml/ha (or) Chlorantraniliprole 18.5% SC @150 ml. |
| Panicle initiation stage | Maintain the water level to avoid crop damage and application of fertilizer based on the local weather. |
| Chilli | Flowering stage | * Ensure proper drainage systems to avoid water stagnation * Avoid spraying and provide drainage facilities to avoid damping off infection. If symptoms persist soil drenching with copper oxychloride @2.5g/lit. may be practiced. |
| Onion |  | Continuous rain or high-intensity rainfall leads to waterlogged conditions, which can result in soft rot and basal rot. To manage this, practice soil trenching with copper hydroxide @ 2.5 g per liter of water. |
| 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. |

Rain: 21-25.12-12,18,14,30&30 mm. Ensure proper drainage. Onion- soft rot and basal rot- soil trenching with Copper hydroxide @ 2.5 g per liter of water.

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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. |
| 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**

orer. To

control the pest, spray 5% Neem oil or 5% Neem Seed