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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 |  |

**Virudhunagar 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 | 5.4 | 83.4 | 70.2 | 1.1 | 0.0 | **Rainfall (mm)** | 8 | 10 | 4 | 5 | 4 |
| 33 | 34 | 30 | 27 | 26 | 24 | 30 | **Max. Temp. (oC)** | 30 | 30 | 30 | 31 | 31 |
| 23 | 24 | 23 | 23 | 21 | 20 | 21 | **Min. Temp. (oC)** | 21 | 21 | 21 | 22 | 22 |
| Generally cloudy | Mainly cloudy | Mainly cloudy | Mainly cloudy | Mainly cloudy | generally cloudy | Clear sky | **Sky condition**  | generally cloudy | generally cloudy | generally cloudy | Partly cloudy | Partly cloudy |
| 83 | 80 | 91 | 94 | 91 | 88 | 80 | **RH - Mor. (%)** | 88 | 88 | 88 | 85 | 85 |
| 61 | 66 | 91 | 93 | 90 | 58 | 58 | **RH - Eve. (%)** | 50 | 50 | 50 | 53 | 53 |
| 7 | 14 | 9 | 10 | 10 | 7 | 11 | **Wind speed (kmph)** | 10 | 10 | 10 | 8 | 8 |
| E | NNE | NNE | E | NNW | NNE | E | **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** |
| **160.1** | **836.4** |

**Weather forecast**

● The maximum temperature is expected to decrease 3oC compared to the previous week

● Light rain is predicted for the next five days.

* Sky condition will be partly to generally cloudy.
* Wind speed is expected to be 8-10 km per hour and the wind direction will be in 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.
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| 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.
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| 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.
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| 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: 18-22.12-8,10,4,5&4 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** |
| 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**

orer. To

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