|  |  |  |
| --- | --- | --- |
|  | **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) |  |

**Thirunelveli District level AAB No. 035/2025 Day & Date: Friday & 02.05.2025**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Observed weather for the period 25th April to 01st May 2025** | | | | | | | **Weather Parameters / Date** | **Weather forecast**  **(Valid from 03rd May 2025 to 8:30 hrs. of 07th May 2025)** | | | | |
| **25/04** | **26/04** | **27/04** | **28/04** | **29/04** | **30/04** | **01/05** | **Day 1**  **03/05** | **Day 2**  **04/05** | **Day 3**  **05/05** | **Day 4**  **06/05** | **Day 5**  **07/05** |
| 3.3 | 1.8 | 2.2 | 1.5 | 0.9 | 0.6 | 0.9 | **Rainfall (mm)** | 4 | 4 | 4 | 5 | 7 |
| 37 | 36 | 36 | 35 | 36 | 36 | 36 | **Max. Temp. (oC)** | 36 | 36 | 36 | 37 | 37 |
| 28 | 28 | 27 | 27 | 27 | 27 | 27 | **Min. Temp. (oC)** | 27 | 27 | 27 | 27 | 27 |
| Partly cloudy | Partly cloudy | Clear sky | Partly cloudy | Partly cloudy | Generally cloudy | Partly cloudy | **Sky condition** | Partly cloudy | Partly cloudy | Partly cloudy | Generally cloudy | Generally cloudy |
| 80 | 77 | 77 | 85 | 85 | 81 | 89 | **RH - Mor. (%)** | 85 | 85 | 85 | 90 | 90 |
| 72 | 65 | 68 | 59 | 67 | 76 | 52 | **RH - Eve. (%)** | 65 | 65 | 65 | 75 | 75 |
| 0 | 0 | 0 | 1 | 0 | 0 | 3 | **Wind speed (kmph)** | 14 | 12 | 12 | 14 | 14 |
| N | N | N | WSW | N | N | SSE | **Wind direction** | W | W | W | W | W |

|  |  |
| --- | --- |
| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2025 to till dated** |
| 11.2 | 521.4 |

**Weather forecast**

* **The maximum temperature is likely to remain the same compared to the previous week.**
* **Light rainfall is expected over the next five days.**
* **Sky condition will be partly to generally cloudy.**
* **Wind speed is expected to be 12-14 km per hour and the wind direction will be from West direction.**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops | Water management | Postpone irrigation; however, in areas that did not receive rainfall in recent days, the increase in temperature may lead to crop stress. Those areas may be irrigated based on crop requirements. |
| Rainfed & irrigated crops | Rainfall | Avoid spraying. However, in areas that did not receive rainfall in recent days, increase in temperatures may increase the risk of pest incidence. Therefore, spraying is advised only if pest levels exceed the Economic Threshold Level (ETL) and local weather conditions are favorable, with no rainfall events recorded. |
| Rice fallow pulse | Vegetative | Open the trench to avoid water stagnation. |
| Flowering  stage | * Based on the local weather, spraying 2% DAP at the time of first appearance of flowers and a second spray at 15 days after first spray for enhanced seed set may be practice. * Warm humid weather with Relative humidity of 80 – 88 % and rain splash induce powdery mildew. To control, remove and destroy infected debris and spray NSKE @ 5% or neem oil @ 3% twice at 10 days interval spray (or) Wettable sulphur 80 WP @ 1500g/ha. |
| Paddy | Nursery | High relative humidity (90% and above), wet leaves, cloudy skies, and frequent rainfall favor the incidence of blast. To control it, maintain proper water levels in the nursery, avoiding both drought stress and prolonged leaf wetness. At the time of transplanting, sprinkle 2.5 kg of *Pseudomonas fluorescens* (talc formulation) into the stagnant water, soak the root system of seedlings for 30 minutes, and then transplant |
| Coconut | All stages | The chance of light rainfall is not sufficient to reduce Rugose Spiraling Whitefly incidence. Hence, it is advised to spray a solution of 25 g of maida in one litre of water to enhance the population of *Encarsia* parasitoids. Also, install yellow sticky traps. Avoid chemical sprays to help control the infestation naturally. |
| General | Preparatory work | Utilize the shower for summer ploughing to improve the soil's physical condition. |
| Livestock | Cow | Summer Management: 1. Grazing on peak hours should be avoided.Instead of that, the animals can be allowed for grazing during 6-10AM and 4-6 PM. 2. Wet gunny bags can be spread over the roof of the shed, water sprinklers with fans may be provided inside the shed 3.Animals should be washed 2 times in a day viz. morning and evening. 4. 30g of mineral mixture should be supplemented during summer. |
| Sheep and Goats | Summer Management: 1. Grazing on peak hours should be avoided. Instead of that, the animals can be allowed for grazing during 6-10AM and 4-6 PM. 2. Animal’s shed should be well ventilated. Overcrowding should be avoided. 3. Sufficient quantity of cool, fresh drinking water should be available throughout the day. 4. Feeding of animals should be done during cool hours. 5. Dried paddy straw can be spread over the roof and periodical sprinkling of water will reduce the heat inside the animal shed. |

SMS: Rain: 03-07.05-4,4,4,5&7 mm. Pulses – powdery mildew- remove and destroy infected debris and spray neem oil @ 3% twice at 10 days interval spray (or) Wettable sulphur 80 WP @ 1500g/ha.

|  |  |
| --- | --- |
| **Tamil Nadu Weather forecast** | |
| Next five days weather | * **Day 1 (03.05.2025) & Day 2 (04.05.2025)**: Light to moderate rain at isolated places with thunderstorm & lightning with gusty winds speed reaching 30-40 kmph at one or two places is likely to occur over Tamilnadu. * **Day 3 (05.05.2025) &** **Day 4 (06.05.2025):** Light to moderate rain at a few places with thunderstorm & lightning at one or two places is likely to occur over Tamilnadu. * **Day 5 (07.05.2025):** Light to moderate rain at a few places with thunderstorm & lightning at one or two places is likely to occur over Tamilnadu. |
| THUNDERSTORM WARNING | **Day 1 (03.05.2025) & Day 2 (04.05.2025):** Thunderstorm & lightning with gusty winds speed reaching 30-40 kmph is likely to occur at one or two places over Tamilnadu.  **Day 3 (05.05.2025) to Day 5 (07.05.2025):** Thunderstorm & lightning is likely to occur at one or two places over Tamilnadu. |
| TEMPERATURE FORECAST | **Day 1 (03.05.2025) & Day 2 (04.05.2025):** High Maximum Temperature with high Humidity is likely to cause discomfort weather at a few pockets over Tamilnadu. |

**Professor and Head**

**Agricultural Research Station**

**Kovilpatti**