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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 |  |

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

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| **Observed weather for the period 25th April to 01st MayApril 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** |
| 0.0 | 4.3 | 1.9 | 2.5 | 1.4 | 2.2 | 1.4 | **Rainfall (mm)** | 1 | 2 | 3 | 2 | 4 |
| 35 | NA | NA | NA | 33 | 34 | 34 | **Max. Temp. (oC)** | 34 | 34 | 34 | 35 | 35 |
| 27 | NA | NA | 25 | 27 | 28 | NA | **Min. Temp. (oC)** | 27 | 27 | 27 | 28 | 28 |
| Generally cloudy | NA | NA | Generally cloudy | Generally cloudy | Generally cloudy | NA | **Sky condition** | Generally cloudy | Generally cloudy | Generally cloudy | Generally cloudy | Generally cloudy |
| 70 | NA | NA | 83 | 71 | 83 | NA | **RH - Mor. (%)** | 70 | 70 | 70 | 80 | 80 |
| 73 | NA | NA | 79 | 80 | 81 | NA | **RH - Eve. (%)** | 80 | 80 | 80 | 85 | 85 |
| 2 | NA | NA | 2 | 3 | 2 | NA | **Wind speed (kmph)** | 14 | 12 | 14 | 14 | 12 |
| WSW | NA | NA | SSW | SSW | WSW | NA | **Wind direction** | WSW | WSW | SSW | SSW | WSW |

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| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2024 to till dated** |
| **13.7** | **160.2** |

**Weather forecast**

* The maximum temperature is likely to remain the same compared to the previous week**.**
* **Very light to light rain predicted for the next two days.**
* **The sky condition will be generally cloudy**
* Wind speed is expected to be 12-14 km per hour and the wind direction will be from West-Southwest and South-Southwest direction

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| **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 & cloudy  | Avoid spraying. However, in areas that did not receive rainfall in recent days, increase in temperatures may increase the risk of pest incidence. Increase in relative humidity may increase the diseases 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.
* 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.
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| Groundnut | Pod development stage | * Open the trench to avoid water stagnation.
* This stage is very critical; therefore, do not allow the crop to undergo stress. If rainfall has not yet been received, provide irrigation.
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| Cotton (irrigated) | Vegetative  | * Light rainfall can be utilized for fertilizer application.
* Farmers are requested to perform earthing-up intercultural operation.
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| 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. |
| Banana | All stages | Irrigation channel may be strengthened to avoid lodging |
| 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: 03-07.05-1,2,3,2&4mm. Groundnut- pod development- critical stage - provide irrigation. Coconut - Rugose Spiraling Whitefly-spray maida solution (25 g/litre of water). Avoid chemical spray.

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| **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.
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| 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**