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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.006/2025 Day & Date: Tuesday & 21.01.2025**

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| **Observed weather for the period 14th January to 20th January 2025** | **Weather Parameters / Date** | **Weather forecast****(Valid from 22nd January 2025 to 8:30 hrs of 26th January 2025** |
| **14/01** | **15/01** | **16/01** | **17/01** | **18/01** | **19/01** | **20/01** | **Day 1****22/01** | **Day 2****23/01** | **Day 3****24/01** | **Day 4****25/01** | **Day 5****26/01** |
| 6.8 | 12.3 | 27.4 | 12.8 | 0.9 | 33.1 | 53.2 | **Rainfall (mm)** | 0 | 20 | 15 | 0 | 0 |
| 30 | 29 | 28 | 28 | 30 | 29 | 27 | **Max. Temp. (oC)** | 29 | 29 | 29 | 30 | 30 |
| 25 | 24 | 24 | 23 | 24 | 23 | 24 | **Min. Temp. (oC)** | 24 | 24 | 24 | 23 | 23 |
| Generally cloudy | Cloudy | Generally cloudy | Partly cloudy | Generally cloudy | Mainly cloudy | Generally cloudy | **Sky condition** | Generally cloudy | Generally cloudy | Generally cloudy | Partly cloudy | Partly cloudy |
| 82 | 88 | 87 | 85 | 82 | 85 | 85 | **RH - Mor. (%)** | 82 | 82 | 82 | 85 | 85 |
| 76 | 74 | 78 | 71 | 78 | 74 | 76 | **RH - Eve. (%)** | 74 | 74 | 74 | 76 | 76 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | **Wind speed (kmph)** | 10 | 10 | 12 | 12 | 12 |
| N | N | N | N | N | N | N | **Wind direction** | E | ENE | ENE | ENE | ENE |

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| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2025 to till dated** |
| 146.5 | **211.6** |

**Weather forecast**

* The maximum temperature is likely to same compared to the previous week.
* Light to moderate rain is expected on day 2 (23.01.2025) and day 3 (24.01.2025).
* Sky condition will be partly to generally cloudy.
* Wind speed is expected to be 10-12 km per hour and the wind direction will be from East and East-Northeast direction.

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| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops  | Water management | Farmers are advised to postpone the irrigation, based on crop required.  |
| Rainfed & irrigated crops | Rainfall | It is advised to avoid spraying for three days; however, if necessary, spraying may be carried out based on local weather conditions. |
| Paddy  | Tillering stage  | Prevailed weather is conducive for Leaf folder and Stem borer. So farmers are advised to spray Azadirachtin 0.03% 1000ml/ha. (or) Chlorontriniprole 18.5%SC @ 150g/ha. (or) Thiamethoxam 25% WG @ 100g/ha. |
| Cotton  | boll formation to boll bursting stage  | In the prevailing weather, there is incidence of mealy bug. Spray neem oil 2% or NSKE 5% or fish oil rosin soap 25g/litre of water or chemical based insecticide of dimethoate or profenophos 2 ml/lit may be adopted as an alternative. |
| Chilli  | Flowering to fruiting stage | • Increasing day temperature favours thrips. Spray Imidacloprid 17.8 % SL @3.0 ml/10 lit.• Prevailing weather is conducive for Gram caterpillar @ Emamectin benzoate 5 % SG @ 4 g/10 lit. |
| Sugarcane  |  | Continuous rainfall may lodge the crop; hence, farmers are advised to provide support by propping and to practice earthing up. |
| Coconut  | All stages  | Rhinoceros beetle is noticed in the prevailed weather condition. To control application of Mixture of neem seed kernal powder and sand (1:2) @ 150 gm per tree, spray 250ml Metarrizhium culture + 750ml water in manure pits to check the perpetuation of the pest. For seedlings, apply Naphthalene balls 10.5 g (approx. three to four balls) covered with fine sand, once in 45 days. |
| Horticultural | Rainfall | Basin around the plant may be erected and mulching may be practiced to save the rain water.  |
| Live stock  | Relative humidity | Increase in relative humidity chance for disease spread. Animals for grazing may be taken after sunrise.  |

SMS: Rain:23&24.01-20&15 mm. Cotton - mealy bug. Spray neem oil 2%. Chilli- Gram caterpillar @ Emamectin benzoate 5 % SG @ 4 g/10 lit.

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| **Tamil Nadu Weather forecast** |
| Light to Moderate Easterlies/ Northeasterlies prevail over the region in the lower tropospheric levels. |
| Next five days  | * Day 1 (22.01.2025) to Day 3 (24.01.2025): Light to moderate rain is likely to occur at isolated places over South Tamilnadu. Generally dry weather is likely to prevail over North Tamilnadu.
* Day 4 (25.01.2025) and Day 5 (26.01.2025): Generally dry weather is likely to prevail over Tamilnadu.
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**Professor and Head**

**Agricultural Research Station**

 **Kovilpatti**