|  |  |  |
| --- | --- | --- |
|  | **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. 105/2024 Day & Date: Tuesday &** **31.12.2024**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Observed weather for the period 24th December to 30th December 2024** | | | | | | | **Weather Parameters / Date** | **Weather forecast**  **(Valid from 01st January 2025 to 8:30 hrs of 05th January 2025)** | | | | |
| **24/12** | **25/12** | **26/12** | **27/12** | **28/12** | **29/12** | **30/12** | **Day 1**  **01/01** | **Day 2**  **02/01** | **Day 3**  **03/01** | **Day 4**  **04/01** | **Day 5**  **05/01** |
| 0.0 | 0.0 | 0.0 | 0.6 | 4.1 | 4.1 | 6.3 | **Rainfall (mm)** | 65 | 5 | 4 | 0 | 0 |
| 30 | 31 | 31 | 31 | 31 | 30 | 31 | **Max. Temp. (oC)** | 28 | 29 | 29 | 30 | 30 |
| 24 | 23 | 24 | 25 | 25 | 25 | 25 | **Min. Temp. (oC)** | 23 | 23 | 23 | 24 | 24 |
| Clear sky | Clear sky | Clear sky | Partly cloudy | Generally cloudy | Partly cloudy | Generally cloudy | **Sky condition** | Generally cloudy | Generally cloudy | Generally cloudy | Generally cloudy | Generally cloudy |
| 83 | 80 | 87 | 93 | 84 | 88 | 87 | **RH - Mor. (%)** | 90 | 90 | 90 | 88 | 88 |
| 68 | 57 | 59 | 60 | 64 | 64 | 65 | **RH - Eve. (%)** | 65 | 65 | 65 | 62 | 62 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | **Wind speed (kmph)** | 15 | 15 | 10 | 10 | 5 |
| N | N | SSE | N | N | N | N | **Wind direction** | ENE | ENE | ENE | ENE | ENE |

|  |  |
| --- | --- |
| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2024 to till dated** |
| **15.1** | **1560.8** |

**Weather forecast**

* The maximum temperature is expected to decrease 1oC compared to the previous week.
* Light to heavy rain is expected for the next three days.
* Sky condition will be generally cloudy.
* Wind speed is expected to be 5-15 km per hour and the wind direction will be from East-Northeast direction.

|  |  |  |
| --- | --- | --- |
| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops | Water management | Farmers are advised to postpone the irrigation for next three days. |
| Rainfed 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 & irrigated crops | Rainfall | Postpone spraying for next three days |
| Paddy | Vegetative stage | * Maintain an appropriate water level to prevent crop lodging. * Temperature of 25-30oC with above 80 per cent relative humidity is highly favourable for Brown Spot. To control spray Mancozeb 500 g. |
| Sugarcane | All the stages | Continuous rainfall may lodge the crop; hence, farmers are advised to provide support by propping and to practice earthing up. |
| Live stock | Relative humidity | Increase in relative humidity chance for disease spread. Animals for grazing may be taken after sunrise. |

SMS: Rain: 01-03.01-65,5&4 mm. Ensure proper drainage. Paddy – Brown Spot-spray Mancozeb 500 g.

|  |  |
| --- | --- |
| **Tamil Nadu Weather forecast** | |
| Yesterday’s cyclonic circulation over central parts of South Bay of Bengal & adjoining Equatorial Indian Ocean now lies over Equatorial Indian Ocean &; adjoining southwest Bay of Bengal and extends upto 1.5 km above mean sea level. | |
| Next five days | * Day 1 (01.01.2025): Light to moderate rain is likely to occur at a few places over South Tamilnadu, at one or two places over North Tamilnadu. Mist/Haze is likely to prevail during early morning hours at isolated places. * Heavy rain is likely to occur at isolated places over Thenkasi, Tirunelveli and Kanyakumari districts. * Day 2 (02.01.2025): Light to moderate rain is likely to occur at one or two places over Tamilnadu. Mist/Haze is likely to prevail during early morning hours at isolated places. * Day 3 (03.01.2025) to Day 5 (05.01.2025): Light to moderate rain is likely to occur at one or two places over Tamilnadu. |

**Professor and Head**

**Agricultural Research Station**

**Kovilpatti**