|  |  |  |
| --- | --- | --- |
|   | **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. 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 | 0.1 | 1.0 | 1.1 | 0.0 | **Rainfall (mm)** | 8 | 4 | 0 | 0 | 0 |
| 31 | 35 | 34 | 31 | 32 | 31 | 31 | **Max. Temp. (oC)** | 29 | 29 | 29 | 30 | 30 |
| 23 | 23 | 24 | 24 | 22 | 22 | 24 | **Min. Temp. (oC)** | 23 | 23 | 23 | 24 | 24 |
| Clear sky | Generally cloudy | Generally cloudy | generally cloudy | Partly cloudy | Partly cloudy | Mainly cloudy | **Sky condition** | Mainly cloudy | Mainly cloudy | Mainly cloudy | Generally cloudy | Generally cloudy |
| 91 | 92 | 90 | 90 | 90 | 87 | 89 | **RH - Mor. (%)** | 90 | 90 | 90 | 85 | 85 |
| 57 | 56 | 69 | 71 | 61 | 59 | 87 | **RH - Eve. (%)** | 87 | 87 | 87 | 83 | 83 |
| 5 | 2 | 4 | 16 | 7 | 6 | 10 | **Wind speed (kmph)** | 15 | 5 | 10 | 8 | 5 |
| SSW | ESE | E | E | ESE | ENE | ENE | **Wind direction** | ENE | NNE | ENE | E | E |

|  |  |
| --- | --- |
| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2024 to till dated** |
| **2.2** | **879.9** |

**Weather forecast**

● The maximum temperature is expected to decrease 5oC compared to the previous week

● Light to moderate rain is predicted for the next two days.

* Sky condition will be generally to mainly cloudy.
* Wind speed is expected to be 2-10 km per hour and the wind direction will be in East-Northeast and East direction.

|  |  |  |
| --- | --- | --- |
| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops  | Water management | Farmers are advised to irrigate on crop need basis.  |
| 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 | Spraying to be practiced based on local weather conditions. |
| Rainfed & irrigated crops | Relative humidity | An increase in relative humidity increases the risk of diseases. Hence, farmers are advised to monitor their fields and take appropriate preparatory measures accordingly. |
| Cotton  | Square formation to Boll bursting stage | * Precaution may be taken to avoid water stagnation in the field.
* High relative humidity coupled with cloudy weather chance for Cercospora leaf spot. To control spray Copper oxychloride @ 500 g/ acre.
 |
| 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.
* Temperature of 25-30oC with above 80 per cent relative humidity is highly favourable for Brown Spot. To control spray Mancozeb 500 g.
 |
| 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
* Provide drainage facilities to avoid damping off infection. If symptoms persist soil drenching with copper oxychloride @2.5g/lit. may be practiced.
 |
| 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  | Relative humidity | Increase in relative humidity chance for disease spread. Animals for grazing may be taken after sunrise.  |

Rain: 01&02.01-8&4 mm. Ensure proper drainage. Cotton-leaf spot- spray Copper oxychloride @ 500 g/ acre.

|  |
| --- |
| **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**

orer. To

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