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

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| **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** |
| 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | **Rainfall (mm)** | 15 | 10 | 4 | 0 | 0 |
| 29 | NA | NA | 31 | NA | NA | NA | **Max. Temp. (oC)** | 31 | 31 | 31 | 32 | 32 |
| 24 | NA | 23 | 26 | NA | NA | 24 | **Min. Temp. (oC)** | 23 | 23 | 23 | 24 | 24 |
| Partly Cloudy | Clear sky | Partly Cloudy | Partly Cloudy | NA | NA | Partly Cloudy | **Sky condition** | Mainly cloudy | Mainly cloudy | Mainly cloudy | Generally cloudy | Generally cloudy |
| 81 | NA | 83 | 80 | NA | NA | 84 | **RH - Mor. (%)** | 88 | 88 | 88 | 85 | 85 |
| 75 | NA | 76 | 75 | NA | NA | 76 | **RH - Eve. (%)** | 75 | 75 | 75 | 70 | 70 |
| 0 | NA | 2 | 2 | NA | NA | 4 | **Wind speed (kmph)** | 15 | 12 | 12 | 12 | 10 |
| N | NA | ESE | ENE | NA | NA | NNE | **Wind direction** | ENE | ENE | ENE | ENE | ENE |

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| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2024 to till dated** |
| **1.3** | **558.2** |

**Weather forecast**

* The maximum temperature is likely to increase one degree Celsius compared to the previous week.
* **Light rain is predicted for the next three days.**
* Sky condition will be generally to mainly cloudy.
* Wind speed is expected to be 10-15 km per hour and the wind direction will be from East- Northeast direction.

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| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops  | Irrigation management | Farmers are advised to postpone the irrigation for next two 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 two days based on local weather |
| 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. |
| Pulses  | Maturity stage  | Harvest the pods immediately and store it safely to prevent fungal spread. |
| Paddy | Vegetative stage | * Maintain an appropriate water level to prevent crop damage.
* Temperature of 25-30oC with above 80 per cent relative humidity is highly favourable for Brown Spot. To control spray Mancozeb 500 g.
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| Chilli  | Flowering stage | * Ensure proper drainage systems to avoid water stagnation
* Avoid spraying and provide drainage facilities to avoid damping off infection. If symptoms persist soil drenching with copper oxychloride 2.5g/lit. may be practiced.
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| Cotton  | Flowering & square formation 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.
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| Banana | All stages | Earthing up should be practiced to avoid lodging |
| Live stock  | Relative humidity | Increase in relative humidity chance for disease spread. Animals for grazing may be taken after sunrise.  |
| Disease forecast for the month January | * Anthrax Livestock -Very High Risk-Preventive Measures: Ring vaccination and report of disease is advised. Vaccination to be done in consultation with the veterinarians and as decided by state animal husbandry authorities. Strict biosecurity measures May be followed. Carcass May be disposed by deep burying covered with lime powder. Contaminated area May be disinfected with 4% formalin or 10% caustic soda. Grazing area May be restricted.
* African Swine Fever - Very High Risk- Risk-Preventive Measures: depopulate all affected and exposed animals.
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| Human | Rainfall | The public is requested to carry umbrellas or raincoats and take preventive measures against the cold. |

SMS: Rain: 01-03.01-15,10&4 mm. Ensure proper drainage. Pulses-pods may be harvested immediately and kept safe. Cotton-leaf spot- spray Copper oxychloride @ 500 g/ acre.

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| **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.
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**Professor and Head**

**Agricultural Research Station**

 **Kovilpatti**