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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 N.102/2024 Day & Date: Friday &** **20.12.2024**

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| **Observed weather for the period 13th December to 19th December 2024** | **Weather Parameters / Date** | **Weather forecast****(Valid from 21st December 2024 to 8:30 hrs of 25th December 2024)** |
| **13/12** | **14/12** | **15/12** | **16/12** | **17/12** | **18/12** | **19/12** | **Day 1****21/12** | **Day 2****22/12** | **Day 3****23/12** | **Day 4****24/12** | **Day 5****25/12** |
| 116.2 | 40.1 | 15.0 | 0.0 | 0.0 | 0.2 | 0.0 | **Rainfall (mm)** | 5 | 8 | 20 | 15 | 14 |
| 26 | 29 | 23 | 30 | 29 | 32 | 31 | **Max. Temp. (oC)** | 31 | 31 | 32 | 32 | 32 |
| 23 | 21 | 22 | 24 | 24 | 25 | 26 | **Min. Temp. (oC)** | 25 | 25 | 25 | 25 | 25 |
| Mainly Cloudy | Mainly Cloudy | Partly Cloudy | Partly Cloudy | Mainly Cloudy | Partly Cloudy | Partly Cloudy | **Sky condition** | Generally cloudy | Generally cloudy | Partly Cloudy | Partly Cloudy | Partly Cloudy |
| 94 | 98 | 88 | 81 | 81 | 82 | 89 | **RH - Mor. (%)** | 79 | 79 | 83 | 83 | 83 |
| 98 | 100 | 76 | 76 | 78 | 80 | 83 | **RH - Eve. (%)** | 83 | 83 | 78 | 78 | 78 |
| 4 | 2 | 5 | 6 | 1 | 1 | 2 | **Wind speed (kmph)** | 4 | 4 | 4 | 6 | 10 |
| N | NNW | E | E | ESE | S | SSE | **Wind direction** | WNW | N | ENE | E | ENE |

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| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2024 to till dated** |
| **171.5** | **553.6** |

**Weather forecast**

* The maximum temperature is expected to be same compared to previous week.
* **Light to moderate rain is predicted for the next five days.**
* Sky condition will be partly to generally cloudy.
* Wind speed is expected to be 4-10 km per hour and the wind direction will be from West-Northwest, North, East-Northeast and East direction.

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| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops  | Water management | Farmers are advised to postpone the irrigation. |
| 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; however, it may be practiced based on local weather conditions. |
| Pulses | pod formation stage | * Precaution may be taken to avoid water stagnation in the field.
* Postpone spraying; however, it may be practiced based on local weather conditions.
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| Maturity stage  | Harvest the pods immediately and store it safely to prevent fungal spread. |
| Sorghum  | Panicle initiation phase | Continuous rainfall may affect the crop stand; hence farmers are requested to practice **earth up and form new ridges** to provide additional anchorage to the plants. |
| Maize | silking to cob filling stage  |
| Paddy | Vegetative stage | Maintain the water level to avoid crop damage and avoid application of fertilizer.  |
| Transplanting stage | Maintain the water level and ensure strong bunds to prevent crop lodging. |
| 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 | * Crop residue mulching may be done to reduce the soil erosion.
* Precaution may be taken to avoid water stagnation in the field.
* Immediate action for **earth up and form new ridges** to avoid lodging of crop due to continuous rainfall.
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| Banana | BunchDevelopment stage | * High wind speeds may damage the physical appearance of the crop. Hence, farmers are advised to practice propping.
* Earthing up should be practiced to avoid lodging
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| Live stock  | Shelter  | Ensure the stability of animal shed structures and avoid stagnation of water around the shed. Provide adequate drinking water as the humidity is very high. |
| Disease forecast for the month of December | * Bluetongue -high risk- Preventive Measures:

Vector control using insecticides and good water management. Restriction in animal movement, segregation of affected animals and symptomatic treatment. Strict bio security measures.* Peste des petits ruminants- Very high risk- Preventive Measures:

Vaccination of susceptible animals of above 3 months old age. Restriction on animal movement, strict biosecurity measures and proper disposal of carcass. |
| Human | Rainfall | The public is requested to carry umbrellas or raincoats and take preventive measures against the cold. |

SMS: Rain:21-25.12-5,8,20,15&14mm. Ensure proper drainage. Pulses-pods may be harvested immediately and kept safe. Maize, Sorghum, Cotton- practice earthing up to avoid lodging.

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| **Tamil Nadu Weather forecast** |
| Next five days  | * Day 1 (21.12.2024): Light to moderate rain with thunderstorm and lightning is likely to occur at one or two places Tamilnadu.
* Haze/Mist is likely to prevail during early morning hours at isolated pockets over Tamilnadu.
* Day 2 (22.12.2024): Light to moderate rain is likely to occur at one or two places over Tamilnadu.
* Haze/Mist is likely to prevail during early morning hours at isolated pockets over Tamilnadu.
* Day 3 (23.12.2024) to Day 5 (25.12.2024): Light to moderate rain is likely to occur at one or two places over Tamilnadu.
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| Extended range  | Week (27-12-2024 to 02-01-2025): Near normal to slightly above normal rainfall is likely over Tamilnadu. |

**Professor and Head**

**Agricultural Research Station**

 **Kovilpatti**