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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.096/2024 Day & Date: Friday &** **29.11.2024**

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| **Observed weather for the period 22nd November to 28th November 2024** | **Weather Parameters / Date** | **Weather forecast****(Valid from 30th November 2024 to 8:30 hrs of 04th December 2024)** |
| **22/11** | **23/11** | **24/11** | **25/11** | **26/11** | **27/11** | **28/11** | **Day 1****30/12** | **Day 2****01/12** | **Day 3****02/12** | **Day 4****03/12** | **Day 5****04/12** |
| 10.8 | 0.1 | 0.1 | 0.0 | 0.0 | 10.8 | 4.0 | **Rainfall (mm)** | 6 | 0 | 12 | 0 | 0 |
| 29 | 31 | 31 | 30 | 29 | 28 | 27 | **Max. Temp. (oC)** | 30 | 29 | 29 | 28 | 28 |
| 24 | 25 | 25 | 25 | 25 | 23 | 24 | **Min. Temp. (oC)** | 26 | 25 | 25 | 24 | 24 |
| Mainly cloudy | Mainly cloudy | Generally Cloudy | Mainly cloudy | Mainly cloudy | Mainly cloudy | Generally Cloudy | **Cloud cover (Octa)** | Mainly cloudy | Mainly cloudy | Mainly cloudy | Mainly cloudy | Generally Cloudy |
| 84 | 86 | 86 | 89 | 83 | 93 | 86 | **Relative humidity - Mor. (%)** | 80 | 80 | 80 | 90 | 80 |
| 76 | 82 | 85 | 81 | 90 | 84 | 86 | **Relative humidity - Eve. (%)** | 60 | 50 | 50 | 40 | 60 |
| 4 | 4 | 5 | 3 | 3 | 3 | 0 | **Wind speed (kmph)** | 58 | 44 | 22 | 8 | 10 |
| NNE | NNE | E | NNE | N | N | N | **Wind direction (dd)** | W | W | WSW | WSW | SSE |

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| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2024 to till dated** |
| **25.8** | **371.4** |

**Weather forecast**

* The maximum temperature is expected to decrease by one degree celsius compared to the previous week.
* Light rainfall is predicted on day 1 (30.11.2024) and day 3 (02.12.2024).
* Sky condition will be generally to mainly cloudy.
* Wind speed is expected to be 8-58 km per hour and the wind direction will be from West, West-Southwest and South-Southeast direction.

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| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops  | Water management | Farmers are advised to irrigate based on crop requirement. |
| 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 | Advised to spraying based on the local weather condition.  |
| Rainfed & irrigated crops | Rainfall | * Spraying may be practiced based on the local weather.
* If rainfall doesn’t persist in the location, cloudy weather may result in fungal infections. Hence, preparatory measures may be taken to avoid crop damage.
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| Pulses  | Flowering to pod formation stage | * Cloudy weather may result to powdery mildew diseases. Hence, farmers are requested to spray inorganic sulphur 0.25% or Tridemorph 0.1%.
* Due to water stagnation, yellowing of leaves is noticed. Hence, foliar spray of 2% DAP + 1% KCl (MOP) or TNAU pulse wonder @ 2 kg / acre may be given.
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| Sorghum  | Vegetative 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.
* If Fall army worm incidence noticed with the prevailed weather. To control spray any one of the following insecticides / biopesticide (use manually operated or battery-operated high- volume knapsack sprayer only with a spray volume of 500 lit./ha.) Emamectin Benzoate 5 SG @4grams for 10 litre of water. Or Spinetoram 11.7 SC @5 ml/10 lit.
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| Maize | Vegetative to silking stage phase |
| Paddy | Transplantation  | Maintain the water level to avoid crop damage.  |
| Chilli  | Vegetative | Avoid spraying and provide drainage facilities to avoid damping off infection. Soil drenching with copper oxychloride 2.5g/lit. |
| Cotton  | Vegetative  | * Crop residue mulching may be done to reduce the soil erosion.
* High humidity; Intermittent rains; favorable for Leaf blight. spray Mancozeb or Copper oxychloride at 2kg/ha, two to three sprays may be given at 15 days interval.
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| Banana | Bunchdevelopment | * 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: 30&02.12-6&12 mm. Ensure proper drainage systems to avoid water stagnation in the fields. Banana- High wind speeds- practice propping and earthing up

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| **Tamil Nadu** |
| Yesterday’s Deep Depression over Southwest Bay of Bengal moved north-northwestwards and lay centered at 0830 IST of today, the 29th November 2024 over the same region near latitude 10.6°N and longitude 82.6°E, about 270 km north-northeast of Trincomalee, 300 km east of Nagapattinam, 340 km east-southeast of Puducherry and 380 km southeast of Chennai. It is likely to move northwestwards and intensify into a Cyclonic Storm during next 06 hours. Thereafter, it is likely to continue to move northwestwards and cross north Tamilnadu-Puducherry coasts between Karaikal and Mahabalipuram close to Puducherry as a Cyclonic Storm with a wind speed of 70-80 kmph gusting to 90 kmph during afternoon 30th November. |
| Weather forecast  | Next five days | * Day 1 (30.11.2024): Light to moderate rain at a few places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu (at many places over Coastal Tamilnadu and at one or two places over Interior Tamilnadu.
* Day 2 (01.12.2024): Light to moderate rain at many places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu.
* Day 3 (02.12.2024): Light to moderate rain at many places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu.
* Day 4 (03.12.2024) and Day 5 (04.12.2024): Light to moderate rain at many places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu.
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| Extended range  | Week (06 to 12-12-2024) | Below normal rainfall is likely over north coastal districts of Tamilnadu and near normal to above normal rainfall is likely over rest of Tamilnadu during the week. |

**Professor and Head**

**Agricultural Research Station**

 **Kovilpatti**