|  |  |  |
| --- | --- | --- |
| / | **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. 097/2024 Day & Date: Tuesday &** **03.12.2024**

|  |  |  |
| --- | --- | --- |
| **Observed weather for the period 26th November to 02nd December 2024** | **Weather Parameters / Date** | **Weather forecast****(Valid from 04th December 2024 to 8:30 hrs of 08th December 2024)** |
| **26/11** | **27/11** | **28/11** | **29/11** | **30/11** | **01/12** | **02/12** | **Day 1****04/12** | **Day 2****05/12** | **Day 3****06/12** | **Day 4****07/12** | **Day 5****08/12** |
| 0.0 | 10.8 | 4.0 | 0.1 | 0.1 | 0.0 | 0.1 | **Rainfall (mm)** | 8 | 8 | 14 | 8 | 6 |
| 29 | 28 | 27 | 31 | 30 | 33 | 31 | **Max. Temp. (oC)** | 34 | 34 | 35 | 35 | 35 |
| 25 | 23 | 24 | 26 | 25 | 26 | 25 | **Min. Temp. (oC)** | 25 | 25 | 26 | 26 | 26 |
| Mainly cloudy | Mainly cloudy | Generally Cloudy | Mainly cloudy | Generally Cloudy | Mainly cloudy | Partly Cloudy | **Cloud cover (Octa)** | Partly Cloudy | Partly Cloudy | Clear sky  | Clear sky  | Clear sky  |
| 83 | 93 | 86 | 86 | 85 | 83 | 80 | **Relative humidity - Mor. (%)** | 72 | 72 | 68 | 68 | 68 |
| 90 | 84 | 86 | 76 | 70 | 78 | 65 | **Relative humidity - Eve. (%)** | 65 | 65 | 60 | 60 | 60 |
| 3 | 3 | 0 | 1 | 1 | 2 | 2 | **Wind speed (kmph)** | 10 | 8 | 10 | 10 | 12 |
| N | N | N | E | WNW | E | W | **Wind direction (dd)** | ESE | E | E | ESE | ESE |

|  |  |
| --- | --- |
| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2024 to till dated** |
| **15.1** | **371.7** |

**Weather forecast**

* The maximum temperature is expected to increase 2oC compared to the previous week.
* Light rainfall is predicted for the next five days.
* Sky condition will be clearly to partly cloudy.
* Wind speed is expected to be 8-12 km per hour and the wind direction will be from East-Southeast and East direction.

|  |  |  |
| --- | --- | --- |
| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops  | Water management | Farmers are advised to irrigate the crop based on 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.
 |
| 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.
 |
| Sorghum  | Vegetative phase | * Continuous rainfall and wind 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.
 |
| 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.
 |
| 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
 |
| 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: 04-08.12-8,8,14,8&6 mm. Ensure proper drainage facilities in the fields. Maize & Sorghum - practice earthing up to avoid lodging.

|  |
| --- |
| **Tamil Nadu** |
| Weather forecast  | Next five days | * Day 1 (04.12.2024): Light to moderate rain at a few places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu.
* Day 2 (05.12.2024): Light to moderate rain is likely to occur at a few places over Tamilnadu.
* Day 3 (06.12.2024) to Day 5 (08.12.2024): Light to moderate rain is likely to occur at one or two places over Tamilnadu.
 |

**Professor and Head**

**Agricultural Research Station**

 **Kovilpatti**