|  |  |  |
| --- | --- | --- |
|  | **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. 037/2024 Day & Date: Tuesday &** **07.05.2024**

|  |  |  |
| --- | --- | --- |
| **Observed weather for the period 30th April to 06th May 2024** | **Weather Parameters /****Date** | **Weather forecast****(Valid from 08th May 2024 to 8:30 hrs of 12th May 2024)** |
| **30/04** | **01/05** | **02/05** | **03/05** | **04/05** | **05/05** | **06/05** | **Day 1****08/05** | **Day 2****09/05** | **Day 3****10/05** | **Day 4****11/05** | **Day 5****12/05** |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | **Rainfall (mm)** | 0 | 2 | 2 | 2 | 2 |
| 35 | NA | NA | 36 | NA | NA | NA | **Max. Temp. (oC)** | 37 | 36 | 35 | 35 | 34 |
| 29 | NA | 28 | 30 | NA | NA | 28 | **Min. Temp. (oC)** | 28 | 28 | 27 | 27 | 27 |
| Generally cloudy | NA | Generally cloudy | Generally cloudy | NA | NA | Clear sky | **Cloud cover (Octa)** | Partly Cloudy | Cloudy | Cloudy | cloudy | Cloudy |
| 70 | NA | 73 | 75 | NA | NA | 76 | **Relative humidity - Mor. (%)** | 60 | 50 | 60 | 70 | 70 |
| 70 | NA | 65 | 68 | NA | NA | 67 | **Relative humidity - Eve. (%)** | 30 | 40 | 30 | 50 | 40 |
| 2 | NA | 3 | 6 | NA | NA | 2 | **Wind speed (kmph)** | 12 | 12 | 14 | 16 | 18 |
| S | NA | S | SSW | NA | NA | S | **Wind direction (dd)** | SSW | S | S | S | S |

|  |  |
| --- | --- |
| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2023 to till dated** |
| **0.0** | **43.3** |

**Weather forecast**

* The maximum temperature is likely to be remain same as the previous week
* **Very light rainfall is predicted on day 2 (09.05.2024) to day 5 (12.05.2024) next five days.**
* **Sky condition will be partly to cloudy sky.**
* **Wind speed is expected to be 12-18 km per hour and the wind direction will be from South-Southwest and South direction.**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops  | Water management | Very light rainfall is predicted on day 2 (09.05.2024) to day 5 (12.05.2024). Farmers are advised to irrigate based on the local weather prevail. |
| Plant protection | Plant protection | Usage of bioproducts may be practiced for plant protection to avoid scorching effect. |
| Summer ploughing | Moisture conservation | Farmers are requested for summer ploughing to hold the rainfall in future. |
| Paddy | Panicle initiation stage | * Irrigate the crop based on local weather condition.
 |
| Mango | Fruiting stage | * Shade and high humidity due to close planting favor hoppers infestation result to Sooty mould. If sucking pest is available spray Imidachloprid 120 ml/ acre or else spray Starch or Maida solution 5 %.
 |
| Coconut  | All the stage  | * Weather favours for rugose whitefly incidence. Spraying starch solution (1%) to dislodge the heavy sooty mould deposition on the leaves of infested plants. Use of yellow sticky traps to trap the adult whiteflies • Encourage build-up of parasitoids (Encarsia sp.) and re-introduce parasitized pupae to emerging zones of whitefly outbreak. In case of severe infestation, spray neem oil 0.5% • No insecticides should be applied to manage the pest.
 |
| Banana  | All the stage | * Soil temperature favours Fusarium wilt. drenching with Copper oxy chloride 2.5g/l to control the infestation.
 |
| Livestock | Temperature  | 1. The farmers should avoid allowing the animals to graze in hot parts of the day.2. Sheep and goat should be dewormed by using suitable anthelminthic by consulting with Local veterinary doctor.3. Increasing the frequency of feeding from three to four times per day to dairy cattle will reduce the heat stress.4. Provision of cool wholesome drinking water to poultry during summer is essential. |
| Human | Temperature | Frequent intake of water or fresh juice.  |

SMS: Rain: 09-12.05-2,2,2&2 mm. Irrigate the crop based on local weather condition. Coconut - rugose whitefly- Spray starch solution (1%) (or) neem oil 0.5%. Banana- Fusarium wilt. drenching with Copper oxy chloride 2.5g/l

|  |
| --- |
| **Tamil Nadu** |
| Yesterday’s trough/wind discontinuity from east Vidarbha to south Tamil Nadu now runs from east Vidarbha to north Tamil Nadu across Telangana & Interior Karnataka and extends upto 1.5 km above mean sea level. |
| Weather forecast  | Next five days | * Light to moderate rain with thunderstorm, lightning and gusty winds with speed reaching 30-40 kmph is likely to occur at one or two places over Tamilnadu, on **Day 1 (08.05.24).**
* Light to moderate rain at a few places with thunderstorm, lightning and gusty winds with speed reaching 30-40 kmph at one or two places is likely to occur over Tamilnadu on **Day 2 (09.05.24).**
* Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Tiruppur, Theni, Dindigul, Tenkasi, Tirunelveli, Erode, Salem, Dharmapuri, Krishnagiri, Tirupattur, Vellore and Virudhunagar on **Day 2 (09.05.24).**
* Light to moderate rain at a few places with thunderstorm, lightning and gusty winds with speed reaching 30-40 kmph at one or two places is likely to occur over Tamilnadu, Puducherry and Karaikal area on **Day 3 (10.05.24).**
* Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Erode, Dindigul, Theni, Virudhunagar, Tenkasi and Tirunelveli on **Day 3 (10.05.24).**
* Light to moderate rain at a few places with thunderstorm, lightning and gusty winds with speed reaching 30-40 kmph at one or two places is likely to occur over Tamilnadu, Puducherry and Karaikal area on **Day 4 (11.05.24) & Day 5 (12.05.24).**
 |
| Temperature Forecast |  | It is likely to be 41-43°C at a few pockets over the plains of the North Interior districts, 39-40°C over the plains of the rest Tamilnadu and 36-38°C over coastal Tamilnadu, Puducherry and Karaikal area during the next five days. |

|  |  |
| --- | --- |
|  | **Professor and Head****Agricultural Research Station****Kovilpatti** |