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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 |  |

**Tirunelveli District level AAB No. 037/2024 Day & Date: Tuesday &** **07.05.2024**

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| **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** |
| 5.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | **Rainfall (mm)** | 1 | 33 | 35 | 15 | 25 |
| 39 | 38 | 40 | 41 | 40 | 41 | 41 | **Max. Temp. (oC)** | 41 | 41 | 39 | 37 | 36 |
| 29 | 28 | 30 | 30 | 30 | 30 | 30 | **Min. Temp. (oC)** | 29 | 28 | 26 | 26 | 26 |
| Partly cloudy | Partly cloudy | Partly cloudy | Partly cloudy | Partly cloudy | Clear sky | Partly cloudy | **Cloud cover (Octa)** | Partly Cloudy | Cloudy | Cloudy | Cloudy | Cloudy |
| 73 | 74 | 72 | 75 | 75 | 69 | 69 | **Relative humidity - Mor. (%)** | 80 | 70 | 80 | 80 | 80 |
| 48 | 48 | 46 | 45 | 47 | 48 | 46 | **Relative humidity - Eve. (%)** | 30 | 40 | 40 | 50 | 50 |
| 2 | 2 | 2 | 0 | 2 | 0 | 0 | **Wind speed (kmph)** | 10 | 10 | 8 | 10 | 10 |
| SE | SE | SE | N | SSE | N | N | **Wind direction (dd)** | W | W | W | SSW | WSW |

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| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2024 to till dated** |
| **6.0** | **301.1** |

**Weather forecast**

* The maximum temperature is likely to be same compared to the previous week**.**
* Very light to moderate rainfall is predicted for next five days.
* Sky condition will be partly to cloudy sky.
* **Wind speed is expected to be 8-10 km per hour and the wind direction will be from West, South-Southwest and West-Southwest direction.**

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| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops  | Water management | Rainfall is predicted. Farmers are requested to postpone the irrigation.  |
| Irrigated crops | Plant protection | Farmers are advised to avoid spraying.  |
| Summer ploughing | Rainfall | Farmers are requested for summer ploughing to utilize the summer rainfall |
| Paddy | Vegetative stage | Maintain the water level to avoid lodging of crop. |
| Flowering stage |
| Panicle initiation stage |
| Vegetables | Rainfall | Harvest the products as earlier to avoid the rainfall damage |
| Black gram | Flowering stage | Proper drainage channel to avoid water stagnation. |
| 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 | * Farmers are requested to practice propping to avoid lodging.
* Soil temperature favors Fusarium wilt. drenching with Copper oxy chloride 2.5g/l to control the infestation.
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| 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. |

SMS: Rain: 8-12.05-1, 33, 35, 15 & 25 mm. Postpone the irrigation and spraying. Maintain water level in the rice field.

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| **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, Puducherry and Karaikal area 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, Puducherry and Karaikal area 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).**
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| 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. |

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