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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. 081/2024 Day & Date: Tuesday &** **08.10.2024**

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| **Observed weather for the period 01st October to 07th October 2024**  | **Weather Parameters / Date** | **Weather forecast****(Valid from 09th October 2024 to 8:30 hrs of 13th October 2024)**  |
| **01/10** | **02/10** | **03/10** | **04/10** | **05/10** | **06/10** | **07/10** | **Day 1****09/10** | **Day 2****10/10** | **Day 3****11/10** | **Day 4****12/10** | **Day 5****13/10** |
| 0.0 | 1.5 | 0.7 | 0.0 | 2.8 | 1.4 | 0.0 | **Rainfall (mm)** | 4 | 6 | 7 | 23 | 25 |
| 33 | 33 | 32 | 34 | 34 | 32 | 31 | **Max. Temp. (oC)** | 33 | 33 | 33 | 31 | 29 |
| 27 | 27 | 28 | 27 | 27 | 27 | 26 | **Min. Temp. (oC)** | 26 | 25 | 25 | 23 | 22 |
| Partly Cloudy | Generally Cloudy | Generally Cloudy | Partly Cloudy | Mainly Cloudy | Generally Cloudy | Mainly Cloudy | **Cloud cover (Octa)** | Mainly Cloudy | Mainly Cloudy | Mainly Cloudy | Mainly Cloudy | Mainly Cloudy |
| 82 | 88 | 77 | 73 | 85 | 91 | 83 | **Relative humidity - Mor. (%)** | 80 | 70 | 70 | 70 | 80 |
| 78 | 83 | 77 | 84 | 86 | 85 | 83 | **Relative humidity - Eve. (%)** | 50 | 50 | 50 | 60 | 70 |
| 3 | 5 | 7 | 2 | 2 | 2 | 2 | **Wind speed (kmph)** | 12 | 10 | 8 | 8 | 12 |
| SSW | SSW | SSW | SSW | SSW | SSW | SSW | **Wind direction (dd)** | SSW | WSW | WSW | E | N |

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| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2024 to till dated** |
| **6.4** | **160.9** |

**Weather forecast**

* The maximum temperature may decrease up to 1°C compared to the previous week.
* Light to moderate rainfall is predicted for next five days.
* Sky condition will be mainly cloudy.
* Wind speed is expected to be 8-12 km per hour and the wind direction will be from South-Southwest, West-Southwest, East and North direction.

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| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops  | Water management | Light to moderate rainfall is predicted for next five days. Farmers are requested to postpone the irrigation. |
| Rainfed crops (cotton, pulses )  | Sowing | * Rainfall is expected in the next few days; therefore, farmers are advised to sow as early as possible, using TNAU products (Vithai Amirtham) to ensure proper crop germination
* Adopt synchronized sowing and bund cropping or intercropping.
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| Pearl millet andsorghum | Sowing | Farmers are requested to practice seed hardening before sowing. For Pearl millet & Sorghum: 2% potassium chloride (Dissolve 20 gm of salt in 1000 ml of water). Soak 1 kg of seed in 650 ml of this solution for 10 hours and dry back to original moisture. |
| Green manure crop |  | Sun hemp can be raised and used as livestock feed. It can also be raised inside the tree basin to maintain the moisture and enrich the soil nutrient. |
| Banana | Bunchdevelopmentstage | * Prevailing 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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SMS: Rain: 06-09.10-4,6,7,23&25 mm. Rainfall is expected in the next few days; therefore, farmers are advised to sow as early as possible, using TNAU products (Vithai Amirtham) to ensure proper crop germination

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| Tamil Nadu |
| * Yesterday’s trough now runs from North coastal Tamil Nadu to the cyclonic circulation over Lakshadweep & adjoining southeast Arabian Sea across Kerala and extends upto 1.5 km above mean sea level.
* Yesterday’s upper-air cyclonic circulation over Lakshadweep & neighbourhood now lies over Lakshadweep and adjoining southeast Arabian Sea and extends upto 5.8 km above mean sea level.
* Under their influence, a low-pressure area is likely to form over Lakshadweep and adjoining Southeast & east central Arabian Sea around 09th October. It is likely to move north west wards and intensify further into a depression over central Arabian Sea during subsequent 3 days.
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| Weather forecast  | Next five days | * Day 1 (09.10.2024) - 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 (10.10.2024) - Light to moderate rain at few places with Thunderstorm and lightning at one or two places is likely to occur over Tamilnadu.
* Day 3 (11.10.2024) - Light to moderate rain at many places with Thunderstorm and lightning at one or two places is likely to occur over Tamilnadu. Heavy rain is likely to occur at isolated places over Ghat areas of Tirunelveli, Coimbatore and Tiruppur districts, Kanyakumari, Tenkasi, Theni, Dindigul, Nilgiris, Madurai, Virudhunagar, Salem, Namakkal, Tiruchirapalli and Karur districts.
* Day 4 (12.10.2024)- Light to moderate rain at many places with Thunderstorm and lightning at one or two places is likely to occur over Tamilnadu. Heavy rain is likely to occur at isolated places over Kanyakumari, Tirunelveli, Thoothukudi, Ramanathapuram, Tenkasi, Virudhunagar, Madurai, Theni, Dindigul, Tiruppur, Coimbatore and Nilgiris districts.
* Day 5 (13.10.2024)- Light to moderate rain at most places with Thunderstorm and lightning at one or two places is likely to occur over Tamilnadu. Heavy rain is likely to occur at isolated places over Chengalpattu, Villupuram, Cuddalore, Thanjavur, Tiruvarur, Nagapattinam, Mayiladuthurai, Ramanathapuram, Sivagangai, Pudukkottai, Thoothukudi, Tirunelveli, Kanyakumari, Tenkasi, Madurai, Virudhunagar, Theni, Dindigul, Tiruppur , Coimbatore and Nilgiris districts.
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**Professor and Head**

**Agricultural Research Station**

 **Kovilpatti**