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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 |  |

**Thirunelveli District level AAB No. 083/2024 Day & Date: Tuesday &** **15.10.2024**

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| **Observed weather for the period 08th October to 14th October 2024**  | **Weather Parameters /****Date** | **Weather forecast****(Valid from 16th October 2024 to 8:30 hrs of 20th October 2024)** |
| **08/10** | **09/10** | **10/10** | **11/10** | **12/10** | **13/10** | **14/10** | **Day 1****16/10** | **Day 2****17/10** | **Day 3****18/10** | **Day 4****19/10** | **Day 5****20/10** |
| 0.4 | 0.5 | 14.8 | 0.9 | 10.0 | 0.0 | 4.1 | **Rainfall (mm)** | 10 | 3 | 3 | 6 | 6 |
| 33 | 35 | 35 | 34 | 33 | 34 | 34 | **Max. Temp. (oC)** | 29 | 27 | 26 | 26 | 26 |
| 25 | 25 | 25 | 25 | 25 | 25 | 25 | **Min. Temp. (oC)** | 23 | 22 | 22 | 22 | 21 |
| Generally cloudy | Partly cloudy | Partly cloudy | Generally cloudy | Generally cloudy | Generally cloudy | Mainly Cloudy | **Cloud cover (Octa)** | Mainly Cloudy | Mainly Cloudy | Mainly Cloudy | Mainly Cloudy | Generally cloudy |
| 73 | 72 | 83 | 86 | 76 | 43 | 84 | **Relative humidity - Mor. (%)** | 70 | 80 | 80 | 80 | 80 |
| 58 | 62 | 62 | 64 | 62 | 70 | 100 | **Relative humidity - Eve. (%)** | 50 | 40 | 50 | 50 | 40 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | **Wind speed (kmph)** | 14 | 14 | 14 | 12 | 10 |
| N | N | N | N | NNW | N | N | **Wind direction (dd)** | W | W | W | WSW | WSW |

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| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2024 to till dated** |
| **30.7** | **782.4** |

**Weather forecast**

* The maximum temperature may decrease up to 6°C compared to the previous week.
* Light rainfall is predicted for next five days.
* Sky condition will be generally to mainly cloudy.
* Wind speed is expected to be 10-14 km per hour and the wind direction will be from West and West-Southwest direction.

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| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops  | Water management | Light rainfall is predicted for next five days. Farmers are requested to postpone the irrigation. |
| All rainfed crops | Rainfall | Continuous rainfall may damage crops; hence, farmers are advised to ensure proper drainage facilities to prevent water stagnation in the fields. |
| Rainfed crops (cotton, pulses, Pearl millet andsorghum)  | Sowing | * Sowing may be carried out based on local weather and soil moisture conditions.
* Sowing should be done with proper drainage facilities to prevent water stagnation, which can affect seed germination.
* 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
 |
| Paddy | Harvest stage  | Harvested produce should be kept safe to avoid damage.  |
| 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. |
| Theileriosis Livestock Disease Forecast of October month | High Risk - Periodical application of acaricides in and around the animal shed and on the animals. Vaccination in endemic areas with Theileria annulata schizont cell culture vaccine. Therapeutic application of buparvaquone can be useful in both early and advanced stages of the infection. |

SMS: Rain: 16-20.10-10,3,3,6&6 mm. Paddy- Harvested produce should be kept safe. Sowing should be done with proper drainage facilities.

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| Tamil Nadu |
| Yesterday’s low pressure area over southeast Bay of Bengal concentrated into a well marked low pressure area over the central part of south Bay of Bengal at 0530 IST of today, the 15th October, 2024 and persisted over the same region at 0830 IST of today. It is likely to move west-north west wards and intensify into a depression over southwest Bay of Bengal during next 24 hours. It is likely to continue to move west-north west wards towards north Tamil Nadu, Puducherry and adjoining south Andhra Pradesh coasts during subsequent 24 hours. |
| Weather forecast  | Next five days | * Day 1 (16.10.2024): Light to moderate rain at most places with Thunderstorm and lightning at one or two places is likely to occur over Tamilnadu.
* Day 2 (17.10.2024): Light to moderate rain at many places (at many places over North Tamilnadu and at a few places over South Tamilnadu) with Thunderstorm and lightning at one or two places is likely to occur over Tamilnadu.
* Day 3 (18.10.2024): Light to moderate rain at a few places (at many places over North Tamilnadu and at one or two places over South Tamilnadu) with Thunderstorm and lightning at one or two places is likely to occur over Tamilnadu.
* Day 4 (19.10.2024): Light to moderate rain at a few places with Thunderstorm and lightning at one or two places is likely to occur over Tamilnadu.
* Day 5 (20.10.2024): Light to moderate rain with Thunderstorm and lightning is likely to occur at one or two places over Tamilnadu.
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**Professor and Head**

**Agricultural Research Station**

 **Kovilpatti**