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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. 090/2024 Day & Date: Friday &** **08.11.2024**

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| **Observed weather for the period 01st November to 07th November 2024** | **Weather Parameters /****Date** | **Weather forecast****(Valid from 09th November 2024 to 8:30 hrs of 13th November 2024)** |
| **01/11** | **02/11** | **03/11** | **04/11** | **05/11** | **06/11** | **07/11** | **Day 1****09/11** | **Day 2****10/11** | **Day 3****11/11** | **Day 4****12/11** | **Day 5****13/11** |
| 7.0 | 8.0 | 4.2 | 4.1 | 15.9 | 0.6 | 0.0 | **Rainfall (mm)** | 35 | 3 | 2 | 0 | 2 |
| 35 | 33 | 30 | 31 | 28 | 32 | 31 | **Max. Temp. (oC)** | 34 | 32 | 32 | 33 | 33 |
| 25 | 26 | 25 | 25 | 24 | 25 | 25 | **Min. Temp. (oC)** | 25 | 23 | 23 | 24 | 24 |
| Partly cloudy | Mainly cloudy | Generally cloudy | Generally cloudy | Partly cloudy | Generally cloudy | Generally cloudy | **Cloud cover (Octa)** | Mainly cloudy | Mainly cloudy | Generally cloudy | Generally cloudy | Mainly cloudy |
| 76 | 80 | 81 | 84 | 84 | 77 | 78 | **Relative humidity - Mor. (%)** | 80 | 80 | 80 | 70 | 80 |
| 74 | 73 | 72 | 72 | 61 | 63 | 58 | **Relative humidity - Eve. (%)** | 50 | 40 | 40 | 50 | 60 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | **Wind speed (kmph)** | 10 | 8 | 6 | 4 | 6 |
| N | N | N | N | N | N | N | **Wind direction (dd)** | NNE | NNE | N | WNW | S |

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| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2024 to till dated** |
| **39.8** | **896.0** |

**Weather forecast**

* The maximum temperature may decrease by 1oC compared to the previous week.
* Very light to moderate rainfall is predicted on day1 (09.11.2024) to day 3 (11.11.2024) and day 5 (13.11.2024).
* Sky condition will be generally to mainly cloudy.
* Wind speed is expected to be 4-10 km per hour and the wind direction will be from North-Northeast, North, West-Northwest and South direction.

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| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops  | Water management | Persistent very light to moderate rainfall is predicted on day1 (09.11.2024) to day 3 (11.11.2024) and day 5 (13.11.2024) rainfall is expected over the next five days. Farmers are advised to delay irrigation activities at least for two days. |
| All 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. |
| All rainfed & irrigated crops | Rainfall | Avoid spraying and fertilizer.  |
| Paddy | Harvesting | Keep harvested produce in a safe place to prevent damage. |
| Sowing | Maintain the water level to prevent seed damage from rainfall splash.  |
| All rainfed crops | Rainfall | Gap filling and thinning can be carried out to take advantage of the recent rainfall. |
| 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 of November month | Foot and mouth disease- Medium Risk- Preventive Measures: Regular vaccination and seromonitoring. Disinfection with sodium carbonate (4%) or 10% washing soda and strict biosecurity measures to be followed and animal movement May be controlled.Peste des petits ruminants- Medium 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. |

SMS: Rain: 09-11&13.11-35,3,2&2 mm. Ensure proper drainage. Paddy - transplanting should be postponed. Maintain the water level to avoid seed damage from rainfall splash.

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| **Tamil Nadu** |
| Yesterday’s cyclonic circulation over southwest Bay of Bengal persists at 0830 hrs of IST and extends upto 3.6 km above mean sea level. Under its influence a low pressure area is likely to form over the same area during next 48 hours. It is likely to move slowly nearly westwards during subsequent 2-days towards Tamil Nadu/Sri Lanka coasts. Yesterday’s trough from Gulf of Mannar to eastcentral Bay of Bengal runs from the above cyclonic circulation over southwest Bay of Bengal to eastcentral Bay of Bengal and extends upto mid-tropospheric levels 3.1 km above mean sea level. A cyclonic circulation lies over southeast Arabian Sea &amp; adjoining Lakshadweep area between 1.5 km &amp; 3.1km above mean sea level. |
| Weather forecast  | Next five days | * Day 1 (09.11.2024): Light to moderate rain at a few places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu (at many places over South Tamilnadu; at a few places over North Tamilnadu.

**Heavy to very heavy rain is likely to occur at isolated places over Kanyakumari, Tirunelveli and Thoothukudi districts.** **Heavy rain is likely to occur at isolated places over Cuddalore, Mayiladuthurai, Nagapattinam, Tiruvarur, Thanjavur, Pudukkottai, Ramanathapuram, Sivaganga, Tenkasi, Virudhunagar & Madurai districts of Tamilnadu.*** Day 2 (10.11.2024) and Day 3 (11.11.2024): Light to moderate rain with thunderstorm and lightning is likely to occur at one or two places over Tamilnadu.
* Day 3 (08.11.2024): Light to moderate rain with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu (at a few places over Coastal Tamilnadu at one or two places over Interior Tamilnadu).
* Day 4(12.11.2024): Light to moderate rain with thunderstorm and lightning is likely to occur at one or two places over Tamilnadu (at a few places over Coastal Tamilnadu; at one or two places over Interior Tamilnadu.
* Day 5 (13.11.2024): Light to moderate rain at a few places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu.

**THUNDERSTORM WARNING:*** Day 1 (09.11.24) to Day 5 (13.11.24): Thunderstorm with lightning is likely to occur at one or two places over Tamilnadu.
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| Extended range weather forecast  |  | Week-2 (15-11-2024 to 21-11-2024): Above normal is likely over Tamilnadu during the week. |

**Professor and Head**

**Agricultural Research Station**

 **Kovilpatti**