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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. 067/2024 Day & Date: Tuesday &** **20.08.2024**

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| **Observed weather for the period 13th August to 19th August 2024**  | **Weather Parameters / Date** | **Weather forecast****(Valid from 21st August 2024 to 8:30 hrs of 25th August 2024)**  |
| **13/07** | **14/07** | **15/08** | **16/08** | **17/07** | **18/07** | **19/08** | **Day 1****21/08** | **Day 2****22/08** | **Day 3****23/08** | **Day 4****24/08** | **Day 5****25/08** |
|  |  |  | 0.0 | 4.5 | 0.8 | 0.0 | **Rainfall (mm)** | 2 | 5 | 0 | 0 | 0 |
|  |  |  | 34 | 34 | 34 | 33 | **Max. Temp. (oC)** | 33 | 33 | 32 | 33 | 34 |
|  |  |  | 28 | 27 | 26 | 27 | **Min. Temp. (oC)** | 27 | 27 | 26 | 27 | 28 |
|  |  |  | Partly Cloudy | Generally Cloudy | Generally Cloudy | Generally Cloudy | **Cloud cover (Octa)** | Mainly Cloudy | Mainly Cloudy | Generally Cloudy | Partly Cloudy | Partly Cloudy |
|  |  |  | 78 | 78 | 72 | 78 | **Relative humidity - Mor. (%)** | 70 | 70 | 70 | 70 | 70 |
|  |  |  | 74 | 84 | 65 | 79 | **Relative humidity - Eve. (%)** | 50 | 40 | 40 | 40 | 30 |
|  |  |  | 1 | 1 | 4 | 0 | **Wind speed (kmph)** | 20 | 20 | 20 | 20 | 22 |
|  |  |  | SSW | N | SSW | N | **Wind direction (dd)** | WSW | WSW | WSW | WSW | W |

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| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2024 to till dated** |
| **5.3** | **119.4** |

**Weather forecast**

* The maximum temperature is likely to be same compared to the previous week.
* Very light to light rainfall is predicted for next two days.
* Sky condition will be partly to mainly cloudy sky.
* Wind speed is expected to be 20-22 km per hour and the wind direction will be from West-southwest and West direction.

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| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops  | Water management | Very light to light rainfall is predicted for next two days. Farmers are advised to avoid irrigation for next two days. |
| Rainfed  | Land preparation | In order to improve the soil quality, recycle the residues of harvested crops of maize, sorghum and pulses. Use rotovator or rotoslasher for cutting the residues into small pieces and incorporate them into the soil. |
| Paddy | Vegetative to Milking stage | Provide drainage facilities and avoid fertilizer.  |
| Green manure crop |  | * **Paddy -** Raise green manure crop by using unexpected rainfall. Green manures like daincha and sunnhemp may be sown adopting a seed rate of 20 kg/ ha. The green manure can be incorporated at 50% flowering stage (45- 50 days) using rotovator.
* **Livestock -** Sun hemp can be used livestock feed.
* **Horticultural crops -** It can be raised inside the basin to maintain the moisture and improve the soil nutrient.
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| Banana | Bunchdevelopmentstage | * Prevailing wind speed and rainfall may damage the crop. Farmers are advised to do propping.
* Proper drainage and earthing up may be practiced to avoid lodging.
* Use transparent polyethylene sleeves with 4% ventilation to cover the bunch immediately after opening of last hand to blemish free fruits with uniform size and quality.
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SMS: Rain: 21&22.08-2&5 mm. Avoid irrigation. Banana- propping and drainage facilities to be practiced.

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| Tamil Nadu |
| Weather forecast  | Next five days | * Light to moderate rain at many places with thunderstorm and lightning at isolated places is likely to occur over Tamilnadu. Heavy rain is likely to occur at isolated places over Tirunelveli, Tenkasi, on Day 1 (21.08.2024).
* Light to moderate rain at a few places with thunderstorm and lightning at isolated places is likely to occur over Tamilnadu on Day 2 (22.08.2024).
* Light to moderate rain is likely to occur at one or two places over Tamilnadu from Day 3 (23.08.2024) to Day 5 (25.08.2024).
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**Professor and Head**

**Agricultural Research Station**

 **Kovilpatti**