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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. 062/2024 Day & Date: Friday &** **02.08.2024**

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| **Observed weather for the period 26th July to 01st August 2024** | **Weather Parameters /****Date** | **Weather forecast****(Valid from 3rd August 2024 to 8:30 hrs of 07th August 2024)**  |
| **26/07** | **27/07** | **28/07** | **29/07** | **30/07** | **31/07** | **1/08** | **Day 1****3/08** | **Day 2****04/08** | **Day 3****05/08** | **Day 4****06/08** | **Day 5****07/08** |
| 1.7 | 1.1 | 2.0 | 18.4 | 10.2 | 1.5 | 0.3 | **Rainfall (mm)** | 2 | 0 | 1 | 2 | 2 |
| 35 | 37 | 36 | 35 | 35 | 35 | 37 | **Max. Temp. (oC)** | 37 | 36 | 36 | 35 | 35 |
| 29 | 30 | 30 | 27 | 27 | 29 | 29 | **Min. Temp. (oC)** | 29 | 28 | 28 | 27 | 27 |
| Generally cloudy | Generally cloudy | Generally cloudy | Generally cloudy | Generally cloudy | Partly cloudy | clear cloudy | **Cloud cover (Octa)** | Generally cloudy | Generally cloudy | Generally cloudy | Generally cloudy | Generally cloudy |
| 66 | 68 | 73 | 75 | 75 | 71 | 67 | **Relative humidity - Mor. (%)** | 70 | 70 | 70 | 70 | 70 |
| 48 | 51 | 70 | 57 | 55 | 54 | 48 | **Relative humidity - Eve. (%)** | 50 | 40 | 40 | 40 | 40 |
| 5 | 8 | 4 | 1 | 3 | 3 | 4 | **Wind speed (kmph)** | 18 | 16 | 14 | 12 | 14 |
| NNW | NNW | NNW | NNW | NW | NW | NW | **Wind direction (dd)** | WNW | WNW | W | WNW | W |

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| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2024 to till dated** |
| **35.2** | **677.1** |

**Weather forecast**

* The maximum temperature is likely to remain the same as compared to the previous week.
* Very light rain likely for day 1 (03.08.2024), day 3 (05.08.2024) and day 5 (07.08.2024).
* Sky condition will be generally cloudy sky.
* Wind speed is expected to be 12-18 km per hour and the wind direction will be from West-northwest and west direction.

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| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops  | Water management | The field will have enough soil moisture due to the continuous rain last week. Therefore, farmers are advised to irrigate based on the crop's requirements. |
| Rainfed  | Land preparation | In order to improve the soil quality recycles 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. |
| Sorghum | Rainfall | Harvested produce may be protected safely. Rainfall may affect the colour of seeds.  |
| Vegetables | Harvest the products as earlier to avoid the rainfall damage |
| 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 high wind speed 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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| Citrus | Fruiting stage | • Under this prevailing weather condition Citrus Canker disease incidence is noticed. To control spray Copper oxychloride 0.2% at fortnight intervals & Control leaf miner when young flush is produced.**Nutrient deficiency** * Copper deficiency - Reduced growth, new leaves shrived bushy growth appearance. Foliar spray of CuSO4 0.5 % at fortnight interval.
* Iron deficiency - Thin leaves with intervenial chlorosis in young leaves. Die back symptom-older leaved remain green, fruit hard, course light coloured. Foliar spray of FeSO4 @ 0.5% twice at fortnight interval
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SMS: Rain: 03,5-7.08-2,1,1,2&2 mm. Sorghum – harvested grain may be stored at good condition. Citrus - Canker disease - spray Copper oxychloride 0.2% at fortnight intervals.

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| Tamil Nadu |
| Moderate Westerlies/Southwesterlies prevail over the region in the lower tropospheric levels. |
| Weather forecast  | Next five days | * Day 1 (03.08.2024) & Day 2 (04.08.2024): Light to moderate rain with thunderstorm and lightning is likely to occur at isolated places over Tamilnadu.
* Day 3 (05.08.2024) & Day 5 (07.08.2024): Light to moderate rain at a few places with thunderstorm and lightning at isolated places is likely to occur over Tamilnadu.
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| Extended range of weather forecast |  | Week (09-08-2024 to 15-08-2024): Slightly above normal rainfall is likely over Tamilnadu.adu, Puducherry and Karaikal area during the week-2 |

**Professor and Head**

**Agricultural Research Station**

 **Kovilpatti**