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|  | **Gramin Krishi Mausam Sewa (GKMS)**  **Agromet Field Unit (AMFU)**  Agricultural Research Station, TNAU, Kovilpatti - 628 501  Email: [agmet\_arskpt@yahoo.co.in](mailto:agmet_arskpt@yahoo.co.in), [amfukovilpatti@gmail.com](mailto:amfukovilpatti@gmail.com) |  |

**Virudhunagar District level AAB No. 049/2023-24 Day & Date: Tuesday & 20.06.2023**

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| **Observed weather during last week (Dated13th to 19th June 2023)** | | | | | | | **Weather Parameters** | **Weather forecast**  **(Valid from 21st to 08:30 hrs of 25th June 2023)** | | | | |
| **13/06** | **14/06** | **15/06** | **16/06** | **17/06** | **18/06** | **19/06** | **Date** | **Day 1**  **21/06** | **Day 2**  **22/06** | **Day 3**  **23/06** | **Day 4**  **24/06** | **Day 5**  **25/06** |
| **2.0** | **0.0** | **0.0** | **0.0** | **0.0** | **1.1** | **0.0** | **Rainfall (mm)** | **6** | **3** | **6** | **3** | **0** |
| **40** | **39** | **40** | **41** | **41** | **38** | **35** | **Max. Temp. (oC)** | **37** | **36** | **35** | **34** | **34** |
| **26** | **26** | **27** | **26** | **27** | **27** | **27** | **Min. Temp. (oC)** | **27** | **26** | **25** | **25** | **24** |
| **Partly clear** | **Partly cloudy** | **Partly cloudy** | **Partly cloudy** | **Generally cloudy** | **Generally cloudy** | **Generally cloudy** | **Cloud cover (Octa)** | **Mainly cloudy** | **Mainly cloudy** | **Mainly cloudy** | **Mainly cloudy** | **Mainly cloudy** |
| **67** | **55** | **54** | **54** | **57** | **60** | **70** | **Relative humidity - Mor. (%)** | **70** | **70** | **70** | **70** | **70** |
| **46** | **39** | **43** | **35** | **45** | **63** | **48** | **Relative humidity - Eve. (%)** | **50** | **40** | **40** | **40** | **40** |
| **6** | **6** | **8** | **8** | **9** | **8** | **2** | **Wind speed (kmph)** | **14** | **16** | **12** | **16** | **14** |
| **W** | **W** | **WNW** | **W** | **WNW** | **ESE** | **SSW** | **Wind direction (dd)** | **WSW** | **WSW** | **WSW** | **WSW** | **WSW** |
| **Rainfall (mm) in last week** | | | | **Rainfall (mm) from 01/01/2023 to till dated** | | | |
| **3.1** | | | | **229.3** | | | |
| * **As per forecast received, maximum temperature for next five days will be 1-2°C decrease than previous week.** * **Light rainfall is predicted for next four days.** * **Sky condition will be mainly cloudy sky** * **Wind speed is expected to be 12-16 km per hour and the wind direction will be from West-Southwest direction.** | | | | | | | | | | | | |

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| **Crop** | **Stage** | **Agromet Advisory** |
| **Irrigated crops** | **Water management** | **As southwest monsoon gets advance, chance for rainfall in coming week. Farmers are requested to postpone the irrigation. However, if the location fails to receive irrigate based on the crop need.** |
| **Rainfall** | **Ploughing** | **In order to store the unexpected rainfall for moisture conservation, farmers are requested to go ploughing.** |
| **Sorghum & cumbu (irrigated condition)** | **Harvest** | **Farmers are requested to harvest immediately and stored in the air tight room to avoid fungal affect.** |
| **Pulse** |
| **Cotton** |  |  |
| **Groundnut and Red gram** | **Rainfall** | **As rainfall is predicted for next four days farmers are requested to go for sowing.** |
| **Sugarcane** | **Vegetative to tillering stage** | * **Light rainfall is expected; hence farmers are requested to remove the water shoots which affects the growth of adjacent statics.** * **To avoid lodging of cane, propping and Earthing-up operation may be practiced.** * **Mulch the ridges uniformly with cane trash to a thickness of 10 cm to conserve the rain water.** |
| **Sesame** | **Vegetative stage** | **Seasonal pest incidence such as leaf webber/ roller and capsule borer is noticed**  **Symptoms of damage:**  **1. The young larvae roll together a few top leaves and feed them**  **2. In the early stage of infestation, the plant dies without producing any branch or shoot**  **3. In later stage of attack, infested shoots stop growing**  **4. At flowering, larvae feed inside the flowers and on capsule formation, larvae bore into capsule and feed on developing seeds**  **Management:**  **Two sprayings with neem formulation 0.03%**  **Spray any one of the following:**  **1. Neem seed kernels extract 5%**  **2. Neem oil 2% (two rounds)** |
| **Citrus** |  | **warm condition help to transmit the Citrus greening/Yellow dragon disease bacteria**  **Symptoms:**  **• Asymmetrical mottling of the leaves**  **• Yellowing of midribs**  **• Decline and Dieback of entire canopy**  **• Lobsided fruits and productions of aborted seeds**  **• Fruits is small, fruit production is reduced**  **• Fruit drops prematurely**  **Management:**  **• Control psyllids with insecticides**  **• Use pathogen free bud wood for propagation**  **• Fortnightly application of tetracyclin @ 500ppm** |
| **Coconut** | **All stages** | **Sow green manure crops around basin to increase the nutrient and also to utilize for soil moisture conservation** |
| **Livestock** | **Sheep** | **Enterotoxaemia: Serious bacterial disease of Sheep and goats causes high mortality in young lambs. Incidence is more common after rainy season.**  **Clinical signs: 1.Sudden death in young lambs. 2. Affected animals show Anorexia, breathing**  **difficulty, abdominal pain. Diarrhea and convulsions before death.**  **Prevention: Regular annual vaccination should be followed prior to rainy season. Young lambs**  **should be vaccinated at the age of 6 weeks.**  **Treatment: Treating the affected animals at early stage with suitable antibiotics will reduce the**  **death rate.**  **Control: Restrict the animals (young lambs) to graze on immature succulent grass /pasture lands**  **which are available plenty after rainy season.** |

**SMS: Rain:** **21-24.06-6,3,6&3 mm. Post pone the Irrigation. Harvest the agricultural produce and store in air tight room to avoid wastage. Sugarcane- earthing up and propping. Groundnut (irrigated)- sowing may be done.**

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| **Tamil Nadu** | | |
| **The cyclonic circulation over Southwest & adjoining Westcentral Bay of Bengal off Tamilnadu coast now lies over Southwest & adjoining Westcentral Bay of Bengal off Andhra Pradesh coast between 0.9 km & 5.8 km above mean sea level tilting southwestwards with height.**  **Yesterday’s trough now runs from the above cyclonic circulation to Lakshadweep area & adjoining Southeast Arabian Sea across Tamil Nadu and Kerala at 3.1 km above mean sea level.** | | |
| **Next five days** | **Weather warning** | * **Light to moderate rain at a few places over North Tamilnadu, Puducherry, Karaikal area, at isolated places over South Tamil Nadu with Thunderstorm, lightning at one or two places is likely to occur.** * **Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Erode, Salem, Dharmapuri, Krishnagiri, Tirupattur, Vellore, Ranipet and Tiruvannamalai on Day1(21.06.23)** * **Light to moderate rain at a few places over North Tamilnadu, Puducherry, Karaikal area, at isolated places over South Tamil Nadu with Thunderstorm, lightning at one or two places is likely to occur on Day 2(22.06.23)** * **Light to moderate rain with thunderstorm & lightning is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area on Day 3(23.06.23)** * **Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area on Day 4(24.06.23) & Day 5 (25.06.23)** |

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