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 **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.**
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| **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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|  | **Professor and Head****Agricultural Research Station****Kovilpatti** |

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