



Gramin Krishi Mausam Sewa (GKMS)

Agromet Field Unit (AMFU)

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

| Observed weather during last week (Dated 13 th to 19 th June 2023) | | | | | | | Weather Parameters | Weather forecast (Valid from 21 st to 08:30 hrs of 25 th 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. (°C) | 37 | 36 | 35 | 34 | 34 |
| 26 | 26 | 27 | 26 | 27 | 27 | 27 | Min. Temp. (°C) | 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.

| 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 | <input type="checkbox"/> Light rainfall is expected; hence farmers are requested to remove the water shoots which affects the growth of adjacent statics. <input type="checkbox"/> To avoid lodging of cane, propping and Earthing-up operation may be practiced. <input type="checkbox"/> 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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.

| 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 | <ul style="list-style-type: none"> ❑ 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) |

**Professor and Head
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