



## Agromet Advisory Bulletin for the Chennai District

Bulletin no. 50/2023 Issued on 23.06.2023

(24.06.2023-28.06.2023)

Issued jointly by

Tamil Nadu Veterinary and Animal Sciences University  
& India Meteorological Department



### Weather Summary for the period since the issue of last bulletin for Chennai.

During past three days around Chennai area, the sky was mostly clear. Maximum temperature was 27.0-32.0°C and Minimum temperature was 25.0-27.0°C. Wind speed was 01-03 km per hour. Relative humidity was recorded between 66-89 %.

| Past week Summary<br>(20.06.2023-22.06.2023) |                        |            | Parameters          | Ensemble weather forecast valid until 08.30 hrs of<br>28.06.2023 |                       |               |            |                       |
|----------------------------------------------|------------------------|------------|---------------------|------------------------------------------------------------------|-----------------------|---------------|------------|-----------------------|
| 20.06.2023                                   | 21.06.2023             | 22.06.2023 | Date                | 24.06.2023                                                       | 25.06.2023            | 26.06.2023    | 27.06.2023 | 28.06.2023            |
| 58.1                                         | 4.5                    | 0.0        | Rainfall (mm)       | 4                                                                | 0                     | 3             | 3          | 0                     |
| 27                                           | 32                     | 32         | Max. Temp.<br>(°C)  | 36                                                               | 36                    | 36            | 37         | 37                    |
| 25                                           | 26                     | 27         | Mini. Temp.<br>(°C) | 26                                                               | 26                    | 27            | 27         | 28                    |
| 86                                           | 89                     | 76         | Maximum RH<br>%     | 80                                                               | 60                    | 60            | 60         | 60                    |
| 66                                           | 79                     | 86         | Minimum RH<br>%     | 50                                                               | 40                    | 40            | 30         | 30                    |
| clear Sky                                    | clear Sky              | clear Sky  | Cloud cover<br>Octa | clear Sky                                                        | clear Sky             | clear Sky     | clear Sky  | clear Sky             |
| North                                        | South<br>South<br>East | North      | Wind<br>direction   | South<br>South<br>West                                           | West<br>South<br>West | South<br>West | West       | West<br>South<br>West |
| 3                                            | 1                      | 2          | Wind speed<br>Kmp   | 20                                                               | 14                    | 16            | 16         | 16                    |

### Weather Summary for Chennai district

#### Weather forecast for next five days: (24.06.2023-28.06.2023)

According to district forecast issued by the India Meteorological Department for Chennai district, sky will be mostly clear. Maximum temperature is expected to be around 36.0-37.0°C. Minimum temperature is expected to be around 26.0-28.0°C. Morning relative humidity is expected to be around 60-80 per cent and evening relative humidity is expected to be around 30-50 per cent. Wind speed is expected to be around 14-20 km per hour and the wind direction will be from West South West.

#### SMS Advisory:

(26.06.2023 - 28.06.2023) Light to moderate rain is likely to occur at one or two places over Tamilnadu,

## **Livestock Advisory**

1. The farmers are advised to preserve rice straw after harvesting the paddy crop which has to be used as livestock feed.
2. The livestock especially dairy cattle, sheep and goat must not be allowed to stand in slushy and filthy area to prevent foot rot.
3. Egg laying poultry (layers) suffering from lice infestation must be looked into with proper attention. Dipping solution must be rubbed over the affected body parts and feathers using cloth or cotton, during Sunny part of the day
4. Dry fodders and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin.
5. Due to high humidity, Young animals may suffer from pneumonia, get veterinary doctors advice.
6. The weather conditions prevailing now are a conclusive environment for mosquitoes & flies. Hence the farmers are advised to spray insecticides around the farm premises.
7. Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

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## Agromet Advisory Bulletin for the Thiruvannamalai District

Bulletin no. 50/2023 Issued on 23.06.2023

(24.06.2023-28.06.2023)

Issued jointly by

Tamil Nadu Veterinary and Animal Sciences University  
& India Meteorological Department



### Weather Summary for the period since the issue of last bulletin for TVMalai .

During past three days around TVMalai area, the sky was mostly clear. Maximum temperature was 28.0-32.0°C and Minimum temperature was 23.0-25.0°C. Wind speed was 03-08 km per hour. Relative humidity was recorded between 69-95 %.

| Past week Summary<br>(20.06.2023-22.06.2023) |                       |            | Parameters          | Ensemble weather forecast valid until 08.30 hrs of<br>28.06.2023 |            |                       |            |            |
|----------------------------------------------|-----------------------|------------|---------------------|------------------------------------------------------------------|------------|-----------------------|------------|------------|
| 20.06.2023                                   | 21.06.2023            | 22.06.2023 | Date                | 24.06.2023                                                       | 25.06.2023 | 26.06.2023            | 27.06.2023 | 28.06.2023 |
| 27.5                                         | 6.3                   | 1.4        | Rainfall (mm)       | 5                                                                | 4          | 0                     | 3          | 0          |
| 28                                           | 29                    | 32         | Max. Temp.<br>(°C)  | 34                                                               | 34         | 35                    | 35         | 35         |
| 25                                           | 23                    | 25         | Mini. Temp.<br>(°C) | 24                                                               | 24         | 25                    | 25         | 25         |
| 93                                           | 95                    | 80         | Maximum RH<br>%     | 70                                                               | 70         | 60                    | 60         | 60         |
| 75                                           | 69                    | 95         | Minimum RH<br>%     | 50                                                               | 40         | 40                    | 30         | 30         |
| clear Sky                                    | clear Sky             | clear Sky  | Cloud cover<br>Octa | clear Sky                                                        | clear Sky  | clear Sky             | clear Sky  | clear Sky  |
| West<br>South<br>West                        | East<br>South<br>East | North      | Wind<br>direction   | West<br>South<br>West                                            | West       | West<br>South<br>West | West       | West       |
| 8                                            | 5                     | 3          | Wind speed<br>Kmp   | 12                                                               | 10         | 10                    | 14         | 14         |

### Weather Summary for TVMalai district

#### Weather forecast for next five days: (24.06.2023-28.06.2023)

According to district forecast issued by the India Meteorological Department for TVMalai district, sky will be mostly clear. Maximum temperature is expected to be around 34.0-35.0°C. Minimum temperature is expected to be around 24.0-25.0°C. Morning relative humidity is expected to be around 60-70 per cent and evening relative humidity is expected to be around 30-50 per cent. Wind speed is expected to be around 10-14 km per hour and the wind direction will be from West.

#### SMS Advisory:

(26.06.2023 - 28.06.2023) Light to moderate rain is likely to occur at one or two places over Tamilnadu,

#### Livestock Advisory:

1. The farmers are advised to preserve rice straw after harvesting the paddy crop which has to be used as livestock feed.
2. The livestock especially dairy cattle, sheep and goat must not be allowed to stand in slushy and filthy area to prevent foot rot.
3. Egg laying poultry (layers) suffering from lice infestation must be looked into with proper attention. Dipping solution must be rubbed over the affected body parts and feathers using cloth or cotton, during Sunny part of the day

4. Dry fodders and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin.
5. Due to high humidity, Young animals may suffer from pneumonia, get veterinary doctors advice.
6. The weather conditions prevailing now are a conclusive environment for mosquitoes & flies. Hence the farmers are advised to spray insecticides around the farm premises.
7. Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

#### **Agricultural advisory**

##### **Rice:**

Due to prevailing weather condition, thrips, leaf folder and stem borer incidence was observed in rice field. The symptom of thrips damage leaf shows discoloration and rolling, yellow or silvery streaks on the leaves of young seedlings and leaf tips wither off. For thrips management, spray azadirachtin 0.15% @600-1000 ml/acre or thiamethoxam 25 WG @40g/acre. To control leaf folder and stem borer incidence, apply fipronil 80% WG 20-25 g/acre.

##### **Groundnut:**

Leaf minor incidence was observed in groundnut field. The symptom of damage, young larvae initially mine into the leaflets, feed on the mesophyll and form small brown blotches on the leaf. Later stages larvae web the leaflets together and feed on them, remaining within the folds. Severely attacked field looks "burnt" from a distance. To control this, set up light trap@ 5/acre or spray methyl demeton 25 EC 400ml/acre.

##### **Coconut:**

The coconut tree basins may be sown with sun hemp in the onset of monsoon and incorporated at flowering stage.

##### **Banana:**

High wind speed (>10 kmph) is expected on forthcoming days, so prop up 5 month old banana trees.

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**Agromet Advisory Bulletin for the Villupuram District**  
**Bulletin no. 50/2023 Issued on 23.06.2023**  
**(24.06.2023-28.06.2023)**  
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**& India Meteorological Department**



**Weather Summary for the period since the issue of last bulletin for Villupuram.**

During past three days around Villupuram area, the sky was mostly clear. Maximum temperature was 30.0-31.0°C and Minimum temperature was 26.0°C. Wind speed was 00-05 km per hour. Relative humidity was recorded between 80-97 %.

| Past week Summary<br>(20.06.2023-22.06.2023) |            |                        | Parameters          | Ensemble weather forecast valid until 08.30 hrs of<br>28.06.2023 |                       |                       |            |                       |
|----------------------------------------------|------------|------------------------|---------------------|------------------------------------------------------------------|-----------------------|-----------------------|------------|-----------------------|
| 20.06.2023                                   | 21.06.2023 | 22.06.2023             |                     | Date                                                             | 24.06.2023            | 25.06.2023            | 26.06.2023 | 27.06.2023            |
| 12.0                                         | 6.7        | 0.0                    | Rainfall (mm)       | 6                                                                | 3                     | 3                     | 3          | 3                     |
| 30                                           | 30         | 31                     | Max. Temp.<br>(°C)  | 35                                                               | 36                    | 35                    | 35         | 36                    |
| 26                                           | 26         | 26                     | Mini. Temp.<br>(°C) | 27                                                               | 27                    | 28                    | 28         | 28                    |
| 97                                           | 94         | 85                     | Maximum RH<br>%     | 70                                                               | 70                    | 70                    | 70         | 60                    |
| 87                                           | 86         | 80                     | Minimum RH<br>%     | 40                                                               | 40                    | 40                    | 40         | 40                    |
| clear Sky                                    | clear Sky  | clear Sky              | Cloud cover<br>Octa | clear Sky                                                        | clear Sky             | clear Sky             | clear Sky  | clear Sky             |
|                                              | South      | South<br>South<br>East | Wind<br>direction   | South<br>West                                                    | West<br>South<br>West | West<br>South<br>West | West       | West<br>South<br>West |
| 0                                            | 3          | 5                      | Wind speed<br>Kmp   | 14                                                               | 12                    | 10                    | 14         | 16                    |

**Weather Summary for Villupuram district**

**Weather forecast for next five days: (24.06.2023-28.06.2023)**

According to district forecast issued by the India Meteorological Department for Villupuram district, sky will be mostly clear. Maximum temperature is expected to be around 35.0-36.0°C. Minimum temperature is expected to be around 27.0-28.0°C. Morning relative humidity is expected to be around 60-70 per cent and evening relative humidity is expected to be around 40 per cent. Wind speed is expected to be around 10-16 km per hour and the wind direction will be from West South West.

**SMS Advisory:**

(26.06.2023 - 28.06.2023) Light to moderate rain is likely to occur at one or two places over Tamilnadu,

**Livestock Advisory:**

1. The farmers are advised to preserve rice straw after harvesting the paddy crop which has to be used as livestock feed.
2. The livestock especially dairy cattle, sheep and goat must not be allowed to stand in slushy and filthy area to prevent foot rot.

3. Egg laying poultry (layers) suffering from lice infestation must be looked into with proper attention. Dipping solution must be rubbed over the affected body parts and feathers using cloth or cotton, during Sunny part of the day
4. Dry fodders and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin.
5. Due to high humidity, Young animals may suffer from pneumonia, get veterinary doctors advice.
6. The weather conditions prevailing now are a conducive environment for mosquitoes & flies. Hence the farmers are advised to spray insecticides around the farm premises.
7. Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

#### **Agricultural advisory**

##### **Rice:**

Prevailing weather condition is favorable for bacterial leaf blight infection in rice crop. White colour streaks appear leaf and it turns brown in colour and dried. To control spray copper hydroxide @ 300 g/ac. Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 40 g/ac or azadirachtin 400 ml/ac (10000 PPM). Due to prevailing weather condition leaf folder infestation is found in paddy crop. To manage them, spray carbosulfan 400 ml/ac or cartap hydrochloride 600 g/ac during morning or evening hours.

##### **Sugarcane:**

Due to prevailing weather condition changes of sugarcane early shoot borer infection. To control spray chlorantraniliprole 18.5 SC (0.5 ml/l) or fipronil 5 % SC (2.0 ml/l).

##### **Coconut:**

Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. 2. Encourage buildup of parasitoids (*Encarsia* sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. 3. In severe case, spray neem oil 10 ml/lit of water or spray azadirachtin 2.0 ml/lit of water with 1.0 ml of sticking agent.

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**Agromet Advisory Bulletin for the Kancheepuram District**  
**Bulletin no. 50/2023 Issued on 23.06.2023**  
**(24.06.2023-28.06.2023)**  
**Issued jointly by**  
**Tamil Nadu Veterinary and Animal Sciences University**  
**& India Meteorological Department**



**Weather Summary for the period since the issue of last bulletin for Kancheepuram.**

During past three days around Kancheepuram area, the sky was mostly clear. Maximum temperature was 27.0-32.0°C and Minimum temperature was 24.0-27.0°C. Wind speed was 03-07 km per hour. Relative humidity was recorded between 68-92%.

| Past week Summary<br>(20.06.2023-22.06.2023) |                        |            | Parameters          | Ensemble weather forecast valid until 08.30 hrs of<br>28.06.2023 |                       |               |                       |                       |
|----------------------------------------------|------------------------|------------|---------------------|------------------------------------------------------------------|-----------------------|---------------|-----------------------|-----------------------|
| 20.06.2023                                   | 21.06.2023             | 22.06.2023 | Date                | 24.06.2023                                                       | 25.06.2023            | 26.06.2023    | 27.06.2023            | 28.06.2023            |
| 51.3                                         | 21.5                   | 0.0        | Rainfall (mm)       | 6                                                                | 3                     | 3             | 3                     | 0                     |
| 27                                           | 32                     | 32         | Max. Temp.<br>(°C)  | 35                                                               | 36                    | 36            | 36                    | 37                    |
| 24                                           | 25                     | 27         | Mini. Temp.<br>(°C) | 27                                                               | 27                    | 28            | 28                    | 28                    |
| 92                                           | 87                     | 74         | Maximum RH<br>%     | 70                                                               | 70                    | 70            | 70                    | 60                    |
| 68                                           | 77                     | 83         | Minimum RH<br>%     | 50                                                               | 50                    | 40            | 40                    | 40                    |
| clear Sky                                    | clear Sky              | clear Sky  | Cloud cover<br>Octa | clear Sky                                                        | clear Sky             | clear Sky     | clear Sky             | clear Sky             |
| South<br>West                                | South<br>South<br>East | North      | Wind<br>direction   | South<br>South<br>West                                           | West<br>South<br>West | South<br>West | West<br>South<br>West | West<br>South<br>West |
| 7                                            | 6                      | 3          | Wind speed<br>Kmp   | 18                                                               | 12                    | 12            | 14                    | 14                    |

**Weather Summary for Kancheepuram district**

**Weather forecast for next five days: (24.06.2023-28.06.2023)**

According to district forecast issued by the India Meteorological Department for Kancheepuram district, sky will be mostly clear. Maximum temperature is expected to be around 35.0-37.0°C. Minimum temperature is expected to be around 27.0-28.0°C. Morning relative humidity is expected to be around 60-70 per cent and evening relative humidity is expected to be around 40-50 per cent. Wind speed is expected to be around 12-18 km per hour and the wind direction will be from West South West.

**SMS Advisory:**

(26.06.2023 - 28.06.2023) Light to moderate rain is likely to occur at one or two places over Tamilnadu,

## **Livestock Advisory:**

1. The farmers are advised to preserve rice straw after harvesting the paddy crop which has to be used as livestock feed.
2. The livestock especially dairy cattle, sheep and goat must not be allowed to stand in slushy and filthy area to prevent foot rot.
3. Egg laying poultry (layers) suffering from lice infestation must be looked into with proper attention. Dipping solution must be rubbed over the affected body parts and feathers using cloth or cotton, during Sunny part of the day
4. Dry fodders and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin.
5. Due to high humidity, Young animals may suffer from pneumonia, get veterinary doctors advice.
6. The weather conditions prevailing now are a conclusive environment for mosquitoes & flies. Hence the farmers are advised to spray insecticides around the farm premises.
7. Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

## **Agricultural advisory**

### **Rice:**

The forecasted weather may cause leaf folder infestation in rice crop. The farmers are advised to monitor the field, if symptoms are observed it's advised to spray Chlorantraniliprole 18.5% 150 ml/ha.

### **Brinjal:**

There are possibilities of mealybug infestation in brinjal crops. For management farmers are advised to spray Profenophos 2ml/lit of water.

### **Chilli:**

There are possibilities of whitefly transmitted leaf curl virus infestation in Chilli. For the management of vector farmers are advised to spray Dimethoate 2ml of Acephate 1g per litre of water.

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