



## Agromet Advisory Bulletin for the Chennai District

Bulletin no. 103/2023 Issued on 26.12.2023

(27.12.2023-31.12.2023)

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 four days around Chennai area, the sky was mostly clear. Maximum temperature was 29.0-30.0°C and Minimum temperature was 21.0-23.0°C. Wind speed was 03-05 km per hour. Relative humidity was recorded between 55-90 %.

| Past week Summary<br>(22.12.2023-25.12.2023) |                      |                      |                      | Parameters          | Ensemble weather forecast valid until 08.30 hrs of<br>31.12.2023 |                      |                      |                      |                      |
|--|----------------------|----------------------|----------------------|---------------------|--|----------------------|----------------------|----------------------|----------------------|
| 22.12.2023                                   | 23.12.2023           | 24.12.2023           | 25.12.2023           |                     | Date   | 27.12.2023           | 28.12.2023           | 29.12.2023           | 30.12.2023           |
| 0.0  | 0.0                  | 0.0                  | 0.0                  | Rainfall (mm)       | 1  | 0                    | 2                    | 1                    | 0                    |
| 29   | 30                   | 30                   | 29                   | Max. Temp.<br>(°C)  | 29   | 29                   | 29                   | 29                   | 29                   |
| 23   | 21                   | 23                   | 23                   | Mini. Temp.<br>(°C) | 23   | 22                   | 22                   | 22                   | 22                   |
| 85   | 81                   | 80                   | 90                   | Maximum RH<br>%     | 90   | 90                   | 90                   | 90                   | 90                   |
| 55   | 57                   | 78                   | 75                   | Minimum RH<br>%     | 60   | 60                   | 60                   | 50                   | 60                   |
| Mostly<br>cloudy Sky                         | Mostly<br>cloudy Sky | Mostly<br>cloudy Sky | Mostly<br>cloudy Sky | Cloud cover<br>Octa | Mostly<br>cloudy Sky   | Mostly<br>cloudy Sky | Mostly<br>cloudy Sky | Mostly<br>cloudy Sky | Mostly<br>cloudy Sky |
| East   | North<br>East        | North                | East                 | Wind direction      | North<br>East  | North<br>East        | North<br>East        | North<br>East        | North<br>East        |
| 4  | 3                    | 5                    | 4                    | Wind speed<br>Kmp   | 18   | 20                   | 20                   | 18                   | 16                   |

### Weather Summary for Chennai district

#### Weather forecast for next five days: (27.12.2023-31.12.2023)

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 29.0°C. Minimum temperature is expected to be around 22.0-23.0°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 50-60 per cent. Wind speed is expected to be around 16-20 km per hour and the wind direction will be from North East.

#### SMS Advisory:

(27.12.2023-31.12.2023) Light to moderate rain is likely to occur at few places over Tamilnadu,

## **Livestock Advisory**

1. Livestock must be give medicated bath to avoid ectoparasite infestation. Moreover dipping must be done on a sunny day.
2. Scabies affected rabbits must be isolated and treated. The cage must be disinfected with flame gun.
3. The surplus fodder available must be preserved as silage for summer feeding.
4. Newly born piglets must be protected from cold drafts
5. The livestock must be provided in clean wholesome drinking water
6. To prevent the methane and ammonia accumulation in pig sty provision of proper ventilation is necessary.
7. To prevent water stagnation proper drainage must be provided in livestock shelter.
8. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).
9. Add 5% shell grit in laying hens for optimum egg production.

*Nodal Officer (GKMS)  
Professor and Head,  
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Madras Veterinary College, Chennai – 7*



**Agromet Advisory Bulletin for the Thiruvannamalai District**  
**Bulletin no. 103/2023 Issued on 26.12.2023**  
**(27.12.2023-31.12.2023)**



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 four days around TVMalai area, the sky was mostly clear. Maximum temperature was 27.0-30.0°C and Minimum temperature was 18.0-22.0°C. Wind speed was 01-04 km per hour. Relative humidity was recorded between 70-94 %.

| Past week Summary<br>(22.12.2023-25.12.2023) |                      |                      |                      | Parameters          | Ensemble weather forecast valid until 08.30 hrs of<br>31.12.2023 |                      |                      |                      |                      |
|--|----------------------|----------------------|----------------------|---------------------|--|----------------------|----------------------|----------------------|----------------------|
| 22.12.2023                                   | 23.12.2023           | 24.12.2023           | 25.12.2023           |                     | Date   | 27.12.2023           | 28.12.2023           | 29.12.2023           | 30.12.2023           |
| 0.0  | 0.0                  | 0.0                  | 0.4                  | Rainfall (mm)       | 0  | 0                    | 0                    | 1                    | 0                    |
| 28   | 27                   | 27                   | 30                   | Max. Temp.<br>(°C)  | 30   | 30                   | 31                   | 31                   | 31                   |
| 22   | 18                   | 18                   | 22                   | Mini. Temp.<br>(°C) | 22   | 22                   | 21                   | 21                   | 21                   |
| 90   | 94                   | 90                   | 88                   | Maximum RH<br>%     | 100  | 90                   | 90                   | 100                  | 90                   |
| 70   | 73                   | 75                   | 72                   | Minimum RH<br>%     | 50   | 60                   | 60                   | 50                   | 50                   |
| Mostly<br>cloudy Sky                         | Mostly<br>cloudy Sky | Mostly<br>cloudy Sky | Mostly<br>cloudy Sky | Cloud cover<br>Octa | Mostly<br>cloudy Sky   | Mostly<br>cloudy Sky | Mostly<br>cloudy Sky | Mostly<br>cloudy Sky | Mostly<br>cloudy Sky |
| South<br>South<br>East                       | East                 | East                 | East                 | Wind direction      | North<br>North<br>East   | North<br>East        | North<br>East        | North<br>East        | North<br>East        |
| 2  | 1                    | 4                    | 3                    | Wind speed<br>Kmp   | 14   | 12                   | 14                   | 12                   | 12                   |

**Weather Summary for TVMalai district**

**Weather forecast for next five days: (27.12.2023-31.12.2023)**

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 30.0-31.0°C. Minimum temperature is expected to be around 21.0-22.0°C. Morning relative humidity is expected to be around 90-100 per cent and evening relative humidity is expected to be around 50-60 per cent. Wind speed is expected to be around 12-14 km per hour and the wind direction will be from North East.

**SMS Advisory:**

(27.12.2023-31.12.2023) Light to moderate rain is likely to occur at few places over Tamilnadu,

**Livestock Advisory:**

1. Livestock must be give medicated bath to avoid ectoparasite infestation. Moreover dipping must be done on a sunny day.
2. Scabies affected rabbits must be isolated and treated. The cage must be disinfected with flame gun.
3. The surplus fodder available must be preserved as silage for summer feeding.
4. Newly born piglets must be protected from cold drafts
5. The livestock must be provided in clean wholesome drinking water

6. To prevent the methane and ammonia accumulation in pig sty provision of proper ventilation is necessary.
7. To prevent water stagnation proper drainage must be provided in livestock shelter.
8. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).
9. Add 5% shell grit in laying hens for optimum egg production.

### **Agricultural advisory**

#### **Rice:**

Drain the excess water if young seedlings are completely affected by cyclonic storm and replant the same variety to maintain the crop population.

#### **Redgram:**

Foliar spray of TNAU Pulse Wonder @ 2 kg/acre in 200 litres of water at flower initiation stage decreases flower shedding, increases yield

#### **Banana:**

To control wilt in banana, apply Bacillus subtilis and Trichoderma viride @ 2.5 kg/ha. or drenching with Bacillus subtilis 5 ml/litre.

#### **Brinjal:**

Application of 1.5% foliar spray of PPFM at the flowering stage in Brinjal, will prevent the premature falling of flowers and increase the numbers and quality of fruits.

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**Agromet Advisory Bulletin for the Villupuram District**  
**Bulletin no. 103/2023 Issued on 26.12.2023**  
**(27.12.2023-31.12.2023)**  
**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 Villupuram.**

During past four days around Villupuram area, the sky was mostly clear. Maximum temperature was 27.0-28.0°C and Minimum temperature was 20.0-23.0°C. Wind speed was 02-05 km per hour. Relative humidity was recorded between 74-93 %.

| Past week Summary<br>(22.12.2023-25.12.2023) |                       |                      |                      | Parameters          | Ensemble weather forecast valid until 08.30 hrs of<br>31.12.2023 |                        |                      |                      |                      |
|--|-----------------------|----------------------|----------------------|---------------------|--|------------------------|----------------------|----------------------|----------------------|
| 22.12.2023                                   | 23.12.2023            | 24.12.2023           | 25.12.2023           |                     | Date   | 27.12.2023             | 28.12.2023           | 29.12.2023           | 30.12.2023           |
| 0.0  | 0.0                   | 0.0                  | 2.1                  | Rainfall (mm)       | 0  | 0                      | 2                    | 1                    | 0                    |
| 28   | 28                    | 28                   | 27                   | Max. Temp.<br>(°C)  | 28   | 28                     | 28                   | 27                   | 28                   |
| 22   | 20                    | 23                   | 23                   | Mini. Temp.<br>(°C) | 23   | 23                     | 22                   | 22                   | 22                   |
| 93   | 93                    | 83                   | 93                   | Maximum RH<br>%     | 90   | 80                     | 90                   | 90                   | 90                   |
| 78   | 74                    | 83                   | 80                   | Minimum RH<br>%     | 60   | 70                     | 60                   | 50                   | 60                   |
| Mostly<br>cloudy Sky                         | Mostly<br>cloudy Sky  | Mostly<br>cloudy Sky | Mostly<br>cloudy Sky | Cloud cover<br>Octa | Mostly<br>cloudy Sky   | Mostly<br>cloudy Sky   | Mostly<br>cloudy Sky | Mostly<br>cloudy Sky | Mostly<br>cloudy Sky |
| North<br>East                                | East<br>North<br>East | East                 | East                 | Wind direction      | North<br>North<br>East   | North<br>North<br>East | North<br>East        | North<br>East        | North<br>East        |
| 4  | 5                     | 2                    | 4                    | Wind speed<br>Kmp   | 18   | 18                     | 18                   | 16                   | 16                   |

**Weather Summary for Villupuram district**

**Weather forecast for next five days: (27.12.2023-31.12.2023)**

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 27.0-28.0°C. Minimum temperature is expected to be around 22.0-23.0°C. Morning relative humidity is expected to be around 80-90 per cent and evening relative humidity is expected to be around 50-70 per cent. Wind speed is expected to be around 16-18 km per hour and the wind direction will be from North East.

**SMS Advisory:**

(27.12.2023-31.12.2023) Light to moderate rain is likely to occur at few places over Tamilnadu,

**Livestock Advisory:**

1. Livestock must be give medicated bath to avoid ectoparasite infestation. Moreover dipping must be done on a sunny day.
2. Scabies affected rabbits must be isolated and treated. The cage must be disinfected with flame gun.
3. The surplus fodder available must be preserved as silage for summer feeding.
4. Newly born piglets must be protected from cold drafts
5. The livestock must be provided in clean wholesome drinking water

6. To prevent the methane and ammonia accumulation in pig sty provision of proper ventilation is necessary.
7. To prevent water stagnation proper drainage must be provided in livestock shelter.
8. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).
9. Add 5% shell grit in laying hens for optimum egg production.

### **Agricultural advisory**

#### **Rice:**

Due to prevailing weather conditions leaf folder and stem borer infestation found in paddy crop. To manage them, spray carbosulfan 400 ml/ac or cartap hydrochloride 600 g/ac during morning or evening hours.

#### **Groundnut:**

Due to prevailing weather conditions, there are chances of tobacco caterpillar in groundnut. To control install pheromone trap 5 nos/ac. Spray flubendiamide 20 WG 120 gram/ac or Quinalphos 20 AF @ 500ml/ac.

#### **Cashew:**

To control tea mosquito bug first spraying with thiamethoxam 25% WG (100 g/ha) at flushing stage, second spraying with chlorpyrifos 2.0 ml/lit at flowering and third spraying with profenophos 1.0 ml/lit at fruit set stage.

#### **Banana:**

Prevailing weather condition is favorable for sigatoka leaf spot infection in banana. To control spray carbendazim 1.0 g/l or propiconazole 1.0 ml/l or mancozeb 2.5 g/l and sticking agent 1.0 ml/l at 10-15 day intervals.

Prevailing weather condition is favorable for panama wilt and nematode infection in banana. To control apply *Bacillus subtilis* 1.0 kg/ha + Paecilomyces lilacinus 1.0 kg/ha at 2, 4 and 6<sup>th</sup> months of planting.

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**Agromet Advisory Bulletin for the Kancheepuram District**  
**Bulletin no. 103/2023 Issued on 26.12.2023**  
**(27.12.2023-31.12.2023)**



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 four days around Kancheepuram area, the sky was mostly clear. Maximum temperature was 28.0-30.0°C and Minimum temperature was 19.0-23.0°C. Wind speed was 00-04 km per hour. Relative humidity was recorded between 63-86%.

| Past week Summary<br>(22.12.2023-25.12.2023) |                        |                      |                      | Parameters          | Ensemble weather forecast valid until 08.30 hrs of<br>31.12.2023 |                        |                      |                        |                        |
|--|------------------------|----------------------|----------------------|---------------------|--|------------------------|----------------------|------------------------|------------------------|
| 22.12.2023                                   | 23.12.2023             | 24.12.2023           | 25.12.2023           |                     | Date   | 27.12.2023             | 28.12.2023           | 29.12.2023             | 30.12.2023             |
| 0.0  | 0.0                    | 0.0                  | 0.0                  | Rainfall (mm)       | 0  | 0                      | 0                    | 1                      | 0                      |
| 29   | 29                     | 30                   | 28                   | Max. Temp.<br>(°C)  | 28   | 29                     | 29                   | 30                     | 30                     |
| 21   | 19                     | 21                   | 23                   | Mini. Temp.<br>(°C) | 23   | 22                     | 22                   | 22                     | 21                     |
| 83   | 81                     | 77                   | 86                   | Maximum RH<br>%     | 90   | 90                     | 90                   | 90                     | 90                     |
| 63   | 65                     | 77                   | 77                   | Minimum RH<br>%     | 60   | 60                     | 60                   | 50                     | 50                     |
| Mostly<br>cloudy Sky                         | Mostly<br>cloudy Sky   | Mostly<br>cloudy Sky | Mostly<br>cloudy Sky | Cloud cover<br>Octa | Mostly<br>cloudy Sky   | Mostly<br>cloudy Sky   | Mostly<br>cloudy Sky | Mostly<br>cloudy Sky   | Mostly<br>cloudy Sky   |
| North<br>North<br>West                       | North<br>North<br>East | North                | North                | Wind direction      | North<br>North<br>East   | North<br>North<br>East | North<br>East        | North<br>North<br>East | North<br>North<br>East |
| 4  | 3                      | 4                    | 0                    | Wind speed<br>Kmp   | 14   | 16                     | 16                   | 12                     | 14                     |

**Weather Summary for Kancheepuram district**

**Weather forecast for next five days: (27.12.2023-31.12.2023)**

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 28.0-30.0°C. Minimum temperature is expected to be around 21.0-23.0°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 50-60 per cent. Wind speed is expected to be around 12-16 km per hour and the wind direction will be from North North East.

**SMS Advisory:**

(27.12.2023-31.12.2023) Light to moderate rain is likely to occur at few places over Tamilnadu,

## **Livestock Advisory:**

1. Livestock must be give medicated bath to avoid ectoparasite infestation. Moreover dipping must be done on a sunny day.
2. Scabies affected rabbits must be isolated and treated. The cage must be disinfected with flame gun.
3. The surplus fodder available must be preserved as silage for summer feeding.
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6. To prevent the methane and ammonia accumulation in pig sty provision of proper ventilation is necessary.
7. To prevent water stagnation proper drainage must be provided in livestock shelter.
8. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).
9. Add 5% shell grit in laying hens for optimum egg production.

## **Agricultural advisory**

### **Rice:**

The forecasted weather may cause stem borer and 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.

### **Blackgram:**

Farmers are advised to treat the seeds with *Trichoderma viride* @ 4g/kg of seed (or) *Pseudomonas fluorescens* @ 10 g/kg seed before sowing.

### **Groundnut:**

In groundnut there are possibilities of stemrot infestation. For management farmers are advised to application of *Trichoderma viride* @2.5 kg/ha, mixed with 50 kg FYM.

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