



## Agromet Advisory Bulletin for the Chennai District

Bulletin no. 49/2023 Issued on 20.06.2023

(21.06.2023-25.06.2023)

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 four days around Chennai area, the sky was mostly clear. Maximum temperature was 32.0-41.0°C and Minimum temperature was 25.0-31.0°C. Wind speed was 03-11 km per hour. Relative humidity was recorded between 52-94 %.

Past week Summary (16.06.2023-19.06.2023)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 25.06.2023				
16.06.2023	17.06.2023	18.06.2023	19.06.2023		Date	21.06.2023	22.06.2023	23.06.2023	24.06.2023
0.0	0.2	0.0	87.2	Rainfall (mm)	6	10	0	0	3
40	41	38	32	Max. Temp. (°C)	27	28	29	30	30
31	31	30	25	Mini. Temp. (°C)	25	24	24	25	25
52	57	80	91	Maximum RH %	80	70	70	70	70
56	74	76	94	Minimum RH %	50	50	40	40	40
clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South East	East South East	South South West	West	Wind direction	West	South West	South South West	South South West	South West
5	11	6	3	Wind speed Kmp	20	18	18	20	16

### Weather Summary for Chennai district

#### Weather forecast for next five days: (21.06.2023-25.06.2023)

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 27.0-30.0°C. Minimum temperature is expected to be around 24.0-25.0°C. Morning relative humidity is expected to be around 70-80 per cent and evening relative humidity is expected to be around 40-50 per cent. Wind speed is expected to be around 16-20 km per hour and the wind direction will be from South West.

#### SMS Advisory:

(21.06.2023) Heavy rain likely to occur at isolated places over Ranipet, Vellore, Tirupattur, Tiruvannamalai and Krishnagiri districts of 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. 49/2023 Issued on 20.06.2023

(21.06.2023-25.06.2023)

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### 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 32.0-41.0°C and Minimum temperature was 25.0-29.0°C. Wind speed was 05-09 km per hour. Relative humidity was recorded between 39-95 %.

Past week Summary (16.06.2023-19.06.2023)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 25.06.2023				
16.06.2023	17.06.2023	18.06.2023	19.06.2023		Date	21.06.2023	22.06.2023	23.06.2023	24.06.2023
0.0	1.0	4.3	6.1	Rainfall (mm)	16	6	3	3	3
41	41	37	32	Max. Temp. (°C)	28	25	29	30	30
29	28	28	25	Mini. Temp. (°C)	25	25	25	25	25
63	65	68	95	Maximum RH %	80	70	70	70	60
39	48	64	86	Minimum RH %	50	50	40	40	40
clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
West South West	South	South West	West South West	Wind direction	West	South West	South West	West South West	West South West
9	8	9	5	Wind speed Kmp	8	6	8	10	12

### Weather Summary for TVMalai district

#### Weather forecast for next five days: (21.06.2023-25.06.2023)

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 25.0-30.0°C. Minimum temperature is expected to be around 25.0°C. Morning relative humidity is expected to be around 60-80 per cent and evening relative humidity is expected to be around 40-50 per cent. Wind speed is expected to be around 06-12 km per hour and the wind direction will be from West South West.

#### SMS Advisory:

(21.06.2023) Heavy rain likely to occur at isolated places over Ranipet, Vellore, Tirupattur, Tiruvannamalai and Krishnagiri districts of 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. 49/2023 Issued on 20.06.2023**  
**(21.06.2023-25.06.2023)**  
**Issued jointly by**  
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**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 29.0-40.0°C and Minimum temperature was 25.0-29.0°C. Wind speed was 02-05 km per hour. Relative humidity was recorded between 60-98 %.

Past week Summary (16.06.2023-19.06.2023)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 25.06.2023				
16.06.2023	17.06.2023	18.06.2023	19.06.2023		Date	21.06.2023	22.06.2023	23.06.2023	24.06.2023
0.0	0.1	0.0	17.6	Rainfall (mm)	4	4	3	3	0
40	40	35	29	Max. Temp. (°C)	30	30	29	29	30
28	28	29	25	Mini. Temp. (°C)	26	26	25	25	26
67	68	80	98	Maximum RH %	80	70	70	70	70
60	72	92	83	Minimum RH %	70	50	50	50	40
clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South South West	South	North West	West	Wind direction	West	South West	South West	South West	West South West
5	5	2	4	Wind speed Kmp	12	12	14	12	12

**Weather Summary for Villupuram district**

**Weather forecast for next five days: (21.06.2023-25.06.2023)**

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 29.0-30.0°C. Minimum temperature is expected to be around 25.0-26.0°C. Morning relative humidity is expected to be around 70-80 per cent and evening relative humidity is expected to be around 40-70 per cent. Wind speed is expected to be around 12-14 km per hour and the wind direction will be from West South West.

**SMS Advisory:**

(21.06.2023) Heavy rain likely to occur at isolated places over Ranipet, Vellore, Tirupattur, Tiruvannamalai and Krishnagiri districts of 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**  
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**(21.06.2023-25.06.2023)**  
**Issued jointly by**  
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**& 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 30.0-41.0°C and Minimum temperature was 24.0-29.0°C. Wind speed was 04-10 km per hour. Relative humidity was recorded between 48-95%.

Past week Summary (16.06.2023-19.06.2023)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 25.06.2023				
16.06.2023	17.06.2023	18.06.2023	19.06.2023		Date	21.06.2023	22.06.2023	23.06.2023	24.06.2023
0.0	0.0	0.0	47.8	Rainfall (mm)	10	8	0	3	0
41	41	37	30	Max. Temp. (°C)	27	27	27	28	28
29	29	29	24	Mini. Temp. (°C)	24	24	25	25	25
51	52	75	95	Maximum RH %	80	80	70	70	70
48	66	74	90	Minimum RH %	60	60	50	50	50
clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South East	South East	South South West	West	Wind direction	West	South South West	South South West	South South West	South West
9	10	4	7	Wind speed Kmp	14	14	14	14	14

**Weather Summary for Kancheepuram district**

**Weather forecast for next five days: (21.06.2023-25.06.2023)**

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 27.0-28.0°C. Minimum temperature is expected to be around 24.0-25.0°C. Morning relative humidity is expected to be around 70-80 per cent and evening relative humidity is expected to be around 50-60 per cent. Wind speed is expected to be around 14 km per hour and the wind direction will be from South West.

**SMS Advisory:**

(21.06.2023) Heavy rain likely to occur at isolated places over Ranipet, Vellore, Tirupattur, Tiruvannamalai and Krishnagiri districts of 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:**

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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