



## Agromet Advisory Bulletin for the Chennai District

Bulletin no. 007/2024 Issued on 23.01.2024

(24.01.2024-28.01.2024)

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 00-06 km per hour. Relative humidity was recorded between 60-85 %.

Past week Summary (19.01.2024-22.01.2024)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 28.01.2024				
19.01.2024	20.01.2024	21.01.2024	22.01.2024		Date	24.01.2024	25.01.2024	26.01.2024	27.01.2024
0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
29	30	30	30	Max. Temp. (°C)	31	31	31	30	30
21	23	23	23	Mini. Temp. (°C)	22	22	22	22	22
80	85	80	82	Maximum RH %	90	90	90	90	90
60	69	68	68	Minimum RH %	50	50	50	50	50
Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Cloud cover Octa	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky
North East		North East	North East	Wind direction	South East	East South East	North East	East North East	North East
5	0	4	6	Wind speed Kmp	10	10	12	14	14

### Weather Summary for Chennai district

#### Weather forecast for next five days: (24.01.2024-28.01.2024)

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 30.0-31.0°C. Minimum temperature is expected to be around 22.0°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 50 per cent. Wind speed is expected to be around 10-14 km per hour and the wind direction will be from North East.

#### SMS Advisory:

(26.01.2024-28.01.2024) Dry weather is very likely to prevail over Tamilnadu.

## **Livestock Advisory**

1. Avoid grazing ruminants during the early morning hours
2. The ruminants must not be tethered in marshy and slushy area to avoid foot rot, they must be housed in damp free elevated places.
3. The drinking water for calves and kids must be heated to body temperature prior to drinking to prevent cold stress
4. Over feeding the dairy calves with lush green fodder may occasionally lead to bloat.
5. The mortality in piglets during winter season may be prevented using heaters at appropriate temperature.
6. This month is conducive for breeding in sheep, it may be allowed for mating this month.
7. The ruminants must not be allowed to graze in dew laden grass before sunrise
8. Rabbit may be allowed by mating now due to conducive environment rabbit will kindle more bunnies during these months due to which necessary reproductive management must be followed.
9. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).

*Nodal Officer (GKMS)  
Professor and Head,  
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**Agromet Advisory Bulletin for the Thiruvannamalai District**  
**Bulletin no. 007/2024 Issued on 23.01.2024**  
**(24.01.2024-28.01.2024)**



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 28.0-30.0°C and Minimum temperature was 17.0-21.0°C. Wind speed was 03-07 km per hour. Relative humidity was recorded between 47-90 %.

Past week Summary (19.01.2024-22.01.2024)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 28.01.2024				
19.01.2024	20.01.2024	21.01.2024	22.01.2024		Date	24.01.2024	25.01.2024	26.01.2024	27.01.2024
0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
29	30	28	30	Max. Temp. (°C)	31	31	31	30	31
17	18	21	19	Mini. Temp. (°C)	20	20	20	20	20
87	81	90	84	Maximum RH %	90	90	90	90	90
51	70	56	47	Minimum RH %	40	40	40	50	40
Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Cloud cover Octa	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky
South East	East North East	East North East	East	Wind direction	South East	East South East	East North East	North East	North East
6	5	3	7	Wind speed Kmp	8	8	10	12	12

**Weather Summary for TVMalai district**

**Weather forecast for next five days: (24.01.2024-28.01.2024)**

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 20.0°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 40-50 per cent. Wind speed is expected to be around 08-12 km per hour and the wind direction will be from North East.

**SMS Advisory:**

(26.01.2024-28.01.2024) Dry weather is very likely to prevail over Tamilnadu.

**Livestock Advisory:**

1. Avoid grazing ruminants during the early morning hours
2. The ruminants must not be tethered in marshy and slushy area to avoid foot rot, they must be housed in damp free elevated places.
3. The drinking water for calves and kids must be heated to body temperature prior to drinking to prevent cold stress
4. Over feeding the dairy calves with lush green fodder may occasionally lead to bloat.

5. The mortality in piglets during winter season may be prevented using heaters at appropriate temperature.
6. This month is conducive for breeding in sheep, it may be allowed for mating this month.
7. The ruminants must not be allowed to graze in dew laden grass before sunrise
8. Rabbit may be allowed by mating now due to conducive environment rabbit will kindle more bunnies during these months due to which necessary reproductive management must be followed.
9. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).

### **Agricultural advisory**

#### **Rice:**

Due to the heavy dew falls there is a possibility to prevail the rice blast disease. To control the rice blast disease spray azoxystrobin 25 SC ml/litre.

#### **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. 007/2024 Issued on 23.01.2024**  
**(24.01.2024-28.01.2024)**



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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 30.0°C and Minimum temperature was 21.0-23.0°C. Wind speed was 05 km per hour. Relative humidity was recorded between 67-91 %.

Past week Summary (19.01.2024-22.01.2024)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 28.01.2024				
19.01.2024	20.01.2024	21.01.2024	22.01.2024		Date	24.01.2024	25.01.2024	26.01.2024	27.01.2024
0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
30	30	30	30	Max. Temp. (°C)	30	30	30	30	31
21	21	22	23	Mini. Temp. (°C)	22	22	22	22	22
86	86	91	88	Maximum RH %	90	90	90	90	90
72	73	71	67	Minimum RH %	50	50	50	40	50
Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Cloud cover Octa	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky
East North East	East North East	East North East	East North East	Wind direction	East South East	East North East	North East	North East	North East
5	5	5	5	Wind speed Kmp	10	8	12	14	14

**Weather Summary for Villupuram district**

**Weather forecast for next five days: (24.01.2024-28.01.2024)**

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 30.0-31.0°C. Minimum temperature is expected to be around 22.0°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 40-50 per cent. Wind speed is expected to be around 08-14 km per hour and the wind direction will be from North East.

**SMS Advisory:**

(26.01.2024-28.01.2024) Dry weather is very likely to prevail over Tamilnadu.

**Livestock Advisory:**

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9. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).

### **Agricultural advisory**

#### **Rice:**

Due to prevailing weather condition brown plant leafhopper infestation is found in paddy crop. Symptoms Nymphs and adults congregate at the base of the plant above the water level. Affected plant dries up and gives a scorched appearance called "hopper burn". Circular patches of drying and lodging of matured plant. To control spray pymetrozine 50% WG @ 120 g/ac with sticking agent. Due to prevailing weather condition false smut is found in paddy crop. To manage the false smut, spray copper oxychloride 50 WG 2.5 g/l or copper hydroxide 77 WG 2.0 g/l or propiconazole 1.0 ml/l at panicle stage and 50 % flowering stage.

#### **Sugarcane:**

Crown mealy bug and pokkahboeng disease of sugarcane observed in field. Symptoms are stunted growth, terminal shoot drying, yellowing of leaf and weakening of cane. To control follow integrated management practices.

Sett treatment - carbendazim 50 WP @ 2 g/lit for 30 min & imidacloprid 70 WS @ 1.5 ml/lit. for 5 min before planting,

Monitor ant movement in the border rows at regular intervals,

Prophylactic measure - in endemic area, field borders (3 rows) spray imidacloprid 17.8 SL @ 3 ml/10 lit (or) chlorantraniliprole 18.5 SC 4 ml /10 lit (or) clothianidin 50 WDG @ 5g/10 lit (or) spirotetramet 150 OD @ 12.5 ml/10 lit (or) Flonicamid 50% WG @ 3 g/10 lit. If infestation crosses ETL (10%), the insecticide application should be repeated at 20 days interval with rotation of above insecticides. Before spraying ensure de-trashing and it should be done at 5 months after planting.

If Pokkahboeng noticed, spray carbendazim 50 WP @ 2 g/lit or propiconazole 25 EC @ 2 ml/lit + sticking agent @ 1 ml/lit 3 times at 20 days interval. Spray should be directed towards central whorl for better control

Ratoon cropping should be discouraged after two ratooning in the endemic areas

#### **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.

#### **Coconut:**

Installation of yellow sticky traps (25 Nos./ ha) on the palm trunk to trap the adult whiteflies. Encourage buildup of parasitoids (*Encarsia* sp.) and reintroduce parasitized pupae at emerging zones of whitefly outbreak.

In sever case, spray neem oil 20 ml/l of water or spray Azadirachtin 2.0 ml/l of water with 1.0 ml of sticking agent.

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**Agromet Advisory Bulletin for the Kancheepuram District**  
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**(24.01.2024-28.01.2024)**



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**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 30.0-31.0°C and Minimum temperature was 21.0-22.0°C. Wind speed was 03-05 km per hour. Relative humidity was recorded between 46-85%.

Past week Summary (19.01.2024-22.01.2024)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 28.01.2024				
19.01.2024	20.01.2024	21.01.2024	22.01.2024		Date	24.01.2024	25.01.2024	26.01.2024	27.01.2024
0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
31	31	30	31	Max. Temp. (°C)	30	30	30	30	31
21	21	22	21	Mini. Temp. (°C)	22	22	22	22	22
70	80	85	82	Maximum RH %	90	90	90	90	90
46	59	60	58	Minimum RH %	50	50	50	50	40
Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Cloud cover Octa	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky
East South East	North East	North East	North North East	Wind direction	South East	East South East	North East	North East	North East
3	5	4	4	Wind speed Kmp	10	8	10	10	14

**Weather Summary for Kancheepuram district**

**Weather forecast for next five days: (24.01.2024-28.01.2024)**

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 30.0-31.0°C. Minimum temperature is expected to be around 22.0°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 40-50 per cent. Wind speed is expected to be around 08-14 km per hour and the wind direction will be from North East.

**SMS Advisory:**

(26.01.2024-28.01.2024) Dry weather is very likely to prevail over Tamilnadu.

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2. The ruminants must not be tethered in marshy and slushy area to avoid foot rot, they must be housed in damp free elevated places.
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9. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).

### **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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