



## Agromet Advisory Bulletin for the Chennai District

Bulletin no. 77/2023 Issued on 26.09.2023

(27.09.2023-01.10.2023)

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 34.0-36.0°C and Minimum temperature was 25.0-28.0°C. Wind speed was 04-07 km per hour. Relative humidity was recorded between 67-78 %.

Past week Summary (22.09.2023-25.09.2023)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 01.10.2023				
22.09.2023	23.09.2023	24.09.2023	25.09.2023		Date	27.09.2023	28.09.2023	29.09.2023	30.09.2023
4.4	0.0	12.3	21.3	Rainfall (mm)	3	2	4	2	3
34	35	34	36	Max. Temp. (°C)	35	35	34	34	34
28	27	25	25	Mini. Temp. (°C)	26	26	26	25	25
73	77	78	71	Maximum RH %	70	70	70	60	70
76	77	74	67	Minimum RH %	40	40	40	40	40
Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Cloud cover Octa	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
South East	South East	East South East	East South East	Wind direction	South South West	South South West	South West	South West	South West
4	7	7	6	Wind speed Kmp	18	20	22	24	22

### Weather Summary for Chennai district

#### Weather forecast for next five days: (27.09.2023-01.10.2023)

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 34.0-35.0°C. Minimum temperature is expected to be around 25.0-26.0°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 18-24 km per hour and the wind direction will be from South West.

#### SMS Advisory:

(27.09.23) Heavy rain is likely to occur at one or two places over Tiruvallur, Ranipet, Vellore, Tiruvannamalai, Kancheepuram, Chengalpattu, Villupuram, Kallakurichi and Cuddalore districts of Tamilnadu.

## **Livestock Advisory**

1. Since moderate rain is forecasted in the fourth coming week farmers are advised to tether livestock in the inside sheds, to prevent from rain water drenching.
2. The livestock must be provided with clean wholesome drinking water all round the clock.
3. To counteract over occurrence of infection during rainy season pregnant goat (adult goat) must be provided with vitamin and mineral supplementation
4. Higher air temp and relative humidity will pre dispose the rabbit to respiratory distress; to prevent this rabbitry must be maintained damp free.
5. To prevent the ammonia accumulation there must be in the Pig house, good ventilation
6. The livestock should be given dipping ones in two month to prevent exoparasitic infestation
7. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age)

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## Agromet Advisory Bulletin for the Thiruvannamalai District

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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 31.0-36.0°C and Minimum temperature was 23.0-25.0°C. Wind speed was 04-07 km per hour. Relative humidity was recorded between 67-96 %.

Past week Summary (22.09.2023-25.09.2023)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 01.10.2023				
22.09.2023	23.09.2023	24.09.2023	25.09.2023		Date	27.09.2023	28.09.2023	29.09.2023	30.09.2023
0.3	1.1	52.7	40.9	Rainfall (mm)	16	3	4	3	2
31	34	36	34	Max. Temp. (°C)	34	33	33	33	32
25	25	23	23	Mini. Temp. (°C)	23	22	22	22	22
80	78	84	96	Maximum RH %	80	80	80	70	70
67	89	73	70	Minimum RH %	40	40	40	50	40
Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Cloud cover Octa	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
North	South East	North North West	North East	Wind direction	West	West South West	West South West	West South West	West South West
5	6	7	4	Wind speed Kmp	10	10	14	14	16

### Weather Summary for TVMalai district

#### Weather forecast for next five days: (27.09.2023-01.10.2023)

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 32.0-34.0°C. Minimum temperature is expected to be around 22.0-23.0°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 10-16 km per hour and the wind direction will be from West South West.

#### SMS Advisory:

(27.09.23) Heavy rain is likely to occur at one or two places over Tiruvallur, Ranipet, Vellore, Tiruvannamalai, Kancheepuram, Chengalpattu, Villupuram, Kallakurichi and Cuddalore districts of Tamilnadu.

#### Livestock Advisory:

1. Since moderate rain is forecasted in the fourth coming week farmers are advised to tether livestock in the inside sheds, to prevent from rain water drenching.
2. The livestock must be provided with clean wholesome drinking water all round the clock.

3. To counteract over occurrence of infection during rainy season pregnant goat (adult goat) must be provided with vitamin and mineral supplementation
4. Higher air temp and relative humidity will pre dispose the rabbit to respiratory distress; to prevent this rabbitory must be maintained damp free.
5. To prevent the ammonia accumulation there must be in the Pig house, good ventilation
6. The livestock should be given dipping ones in two month to prevent exoparasitic infestation
7. 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:**

Harvest the matured paddy crops and store in safe places.

Provide drainage facility to the nursery field and avoid fertilizer application, any kind of spray

**Groundnut:**

Harvest the matured groundnut crops and store in safe places.

**Coconut:**

To control rhinoceros beetle in rainy season , setup Rhino lure pheromone trap @ 2 traps/acre.

**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

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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 34.0-35.0°C and Minimum temperature was 26.0-27.0°C. Wind speed was 02-07 km per hour. Relative humidity was recorded between 78-87 %.

Past week Summary (22.09.2023-25.09.2023)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 01.10.2023				
22.09.2023	23.09.2023	24.09.2023	25.09.2023	Date	27.09.2023	28.09.2023	29.09.2023	30.09.2023	01.10.2023
0.2	1.5	22.3	16.0	Rainfall (mm)	16	2	4	3	2
34	34	34	35	Max. Temp. (°C)	35	34	34	34	34
27	27	26	26	Mini. Temp. (°C)	26	25	25	24	24
83	87	83	81	Maximum RH %	70	70	70	70	80
83	83	78	80	Minimum RH %	40	40	40	60	40
Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Cloud cover Octa	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
South	South South East	South South East	South	Wind direction	South South West	South South West	South West	West South West	South West
6	7	3	2	Wind speed Kmp	14	12	14	16	18

### Weather Summary for Villupuram district

#### Weather forecast for next five days: (27.09.2023-01.10.2023)

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 34.0-35.0°C. Minimum temperature is expected to be around 24.0-26.0°C. Morning relative humidity is expected to be around 70-80 per cent and evening relative humidity is expected to be around 40-60 per cent. Wind speed is expected to be around 12-18 km per hour and the wind direction will be from South West.

#### SMS Advisory:

(27.09.23) Heavy rain is likely to occur at one or two places over Tiruvallur, Ranipet, Vellore, Tiruvannamalai, Kancheepuram, Chengalpattu, Villupuram, Kallakurichi and Cuddalore districts of Tamilnadu.

#### Livestock Advisory:

1. Since moderate rain is forecasted in the fourth coming week farmers are advised to tether livestock in the inside sheds, to prevent from rain water drenching.
2. The livestock must be provided with clean wholesome drinking water all round the clock.
3. To counteract over occurrence of infection during rainy season pregnant goat (adult goat) must be provided with vitamin and mineral supplementation

4. Higher air temp and relative humidity will pre dispose the rabbit to respiratory distress; to prevent this rabbitry must be maintained damp free.
5. To prevent the ammonia accumulation there must be in the Pig house, good ventilation
6. The livestock should be given dipping ones in two month to prevent exoparasitic infestation
7. 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 possible for thrips infestation in paddy crop. To manage them, spray thiamethoxam 8.0g/ for 20 cent of nursery field. In transplanted field spray Azadiractin 400 ml/acre or thiamethoxam 40 g/ac. Due to prevailing weather condition leaf folder and stem borer 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.

#### **Maize:**

Maize growing farmers the fall army worm infection apply neem cake @ 250 kg/ha (farmer contribution)

Seed treatment with cyantraniliprole 19.8% + thiamethoxam 19.8 FS @ 4.0 ml/kg seed

Border cropping with gingelly or cowpea or sorghum

Installation of pheromone traps @ 12 nos./ha

Spraying of chlorantraniliprole 18.5 SC @ 0.4 ml/l (or) flubendiamide 20 WG (0.5 g/l) at 15-20 days of emergence (DAE)

Application of ememectin benzoate 5 SG (0.4 g/l) or spinetoram 11.7 SC (0.5 ml/l) at 35-40 DAE at late whorl stage and 60 DAE.

#### **Banana:**

Light with high wind speed expected it may cause lodging in banana. Provide support to five months and above old banana.

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**Agromet Advisory Bulletin for the Kancheepuram District**  
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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 34.0-36.0°C and Minimum temperature was 24.0-27.0°C. Wind speed was 04-06 km per hour. Relative humidity was recorded between 66-82%.

Past week Summary (22.09.2023-25.09.2023)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 01.10.2023				
22.09.2023	23.09.2023	24.09.2023	25.09.2023		Date	27.09.2023	28.09.2023	29.09.2023	30.09.2023
7.0	0.0	35.8	36.8	Rainfall (mm)	16	4	5	3	3
34	35	35	36	Max. Temp. (°C)	35	34	34	34	34
27	27	25	24	Mini. Temp. (°C)	25	24	23	23	23
78	77	82	81	Maximum RH %	80	80	80	70	70
68	68	66	69	Minimum RH %	40	40	50	50	40
Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Cloud cover Octa	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
East South East	South East	South East	East	Wind direction	South West	South South West	South West	South West	West South West
5	6	4	4	Wind speed Kmp	14	12	14	18	18

**Weather Summary for Kancheepuram district**

**Weather forecast for next five days: (27.09.2023-01.10.2023)**

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 34.0-35.0°C. Minimum temperature is expected to be around 23.0-25.0°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 12-18 km per hour and the wind direction will be from West South West.

**SMS Advisory:**

(27.09.23) Heavy rain is likely to occur at one or two places over Tiruvallur, Ranipet, Vellore, Tiruvannamalai, Kancheepuram, Chengalpattu, Villupuram, Kallakurichi and Cuddalore districts of Tamilnadu.

## **Livestock Advisory:**

1. Since moderate rain is forecasted in the fourth coming week farmers are advised to tether livestock in the inside sheds, to prevent from rain water drenching.
2. The livestock must be provided with clean wholesome drinking water all round the clock.
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5. To prevent the ammonia accumulation there must be in the Pig house, good ventilation
6. The livestock should be given dipping ones in two month to prevent exoparasitic infestation
7. 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 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.

### **Groundnut:**

To increase flower retention , pod filling and to induce drought tolerance apart from yield improvement , 2 sprays of groundnut rich @ 2 kg / acre( for each spray) at 35 DAS (50 % flowering ) and 45 DAS (pod development stage). To provide adequate drainage facility in lowland areas.

### **Brinjal:**

Due to day temperature sucking pest incidence may be increase. To control this, spray imidachloprid 0.3 ml/ litre. To provide adequate drainage facility in lowland areas.

### **Coconut:**

To control red palm weevil in coconut, apply neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown. To control rhinoceros beetle, setup Rhino lure pheromone trap @ 2 traps/acre. To provide adequate drainage facility in lowland areas.

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