



Agromet Advisory Bulletin for the Chennai District

Bulletin no. 28/2023 Issued on 06.04.2023

(07.04.2023-11.04.2023)

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 34.0-35.0°C and Minimum temperature was 28.0-29.0°C. Wind speed was 04-07 km per hour. Relative humidity was recorded between 64-77 %.

Past week Summary (03.04.2023-05.04.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 11.04.2023				
03.04.2023	04.04.2023	05.04.2023	Date	07.04.2023	08.04.2023	09.04.2023	10.04.2023	11.04.2023
0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
34	35	34	Max. Temp. (°C)	35	35	36	36	36
29	28	28	Mini. Temp. (°C)	27	27	28	28	28
72	74	70	Maximum RH %	90	80	80	80	80
69	64	77	Minimum RH %	40	40	40	40	40
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South East	South East	South East	Wind direction	North West	West	West North West	North West	North West
4	6	7	Wind speed Kmp	6	6	4	6	4

Weather Summary for Chennai district

Weather forecast for next five days: (07.04.2023-11.04.2023)

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 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 80-90 per cent and evening relative humidity is expected to be around 40 per cent. Wind speed is expected to be around 04-06 km per hour and the wind direction will be from North West.

SMS Advisory:

(07.04.2023-09.04.2023) Light to moderate rain is likely to occur at isolated places over Tamilnadu,

Livestock Advisory

1. Under prevailing conditions due to warmer air temperature during day time the livestock especially dairy cattle must not be allowed for grazing to avoid heat stress.
2. The dairy cattle must be provided with shelter facilitated with heat amelioration measures to prevent drop in lactation due to heat stress. Measures such as fogging/misting may be provided during the noon hours.
3. The high yielding cross breed dairy cattle must be provided with succulent green fodder but at the same time the dry matter should be maintained 7 to 8 % of body weight.
4. The dairy buffaloes are very much prone to summer sub fertility, due to higher ambient air temperature. To prevent this proper sheltering with cooling facility are necessary.
5. In rabbits during summer to reduce the heat stress one crushed gooseberry per litre of water may be given.
6. For layers to prevent heat stress 0.25% of sodium carbonate could be mixed in drinking water.
7. To prevent heat stress in poultry the feeding time can be divided into 4 to 5 times per day.

*Nodal Officer (GKMS)
Professor and Head,
Department of Livestock Production Management
Madras Veterinary College, Chennai - 7*



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 three days around TVMalai area, the sky was mostly clear. Maximum temperature was 35.0-37.0°C and Minimum temperature was 25.0-27.0°C. Wind speed was 03-04 km per hour. Relative humidity was recorded between 38-83 %.

Past week Summary (03.04.2023-05.04.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 11.04.2023				
03.04.2023	04.04.2023	05.04.2023	Date	07.04.2023	08.04.2023	09.04.2023	10.04.2023	11.04.2023
0.0	1.1	0.0	Rainfall (mm)	0	0	0	0	0
36	35	37	Max. Temp. (°C)	37	38	38	38	39
25	27	26	Mini. Temp. (°C)	25	25	26	26	26
83	75	76	Maximum RH %	90	80	80	80	90
48	41	38	Minimum RH %	30	30	30	30	30
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South South East	South West	East South East	Wind direction	North West	West North West	North West	West	North North West
4	4	3	Wind speed Kmp	4	6	4	4	4

Weather Summary for TVMalai district

Weather forecast for next five days: (07.04.2023-11.04.2023)

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 37.0-39.0°C. Minimum temperature is expected to be around 25.0-26.0°C. Morning relative humidity is expected to be around 80-90 per cent and evening relative humidity is expected to be around 30 per cent. Wind speed is expected to be around 04-06 km per hour and the wind direction will be from North North West.

SMS Advisory:

(07.04.2023-09.04.2023) Light to moderate rain is likely to occur at isolated places over Tamilnadu,

Livestock Advisory:

1. Under prevailing conditions due to warmer air temperature during day time the livestock especially dairy cattle must not be allowed for grazing to avoid heat stress.
2. The dairy cattle must be provided with shelter facilitated with heat amelioration measures to prevent drip in lactation due to heat stress. Measures such as fogging/misting may be provided during the noon hours.

3. The high yielding cross breed dairy cattle must be provided with succulent green fodder but at the same time the dry matter should be maintained 7 to 8 % of body weight.
4. The dairy buffaloes are very much prone to summer sub fertility, due to higher ambient air temperature. To prevent this proper sheltering with cooling facility are necessary.
5. In rabbits during summer to reduce the heat stress one crushed gooseberry per litre of water may be given.
6. For layers to prevent heat stress 0.25% of sodium carbonate could be mixed in drinking water.
7. To prevent heat stress in poultry the feeding time can be divided into 4 to 5 times per day.

Agricultural advisory

Rice:

Spray the TNAU Rice Bloom @ 1kg / ac by dissolving in 200 litre of water after adding required quantity of sticking agent at heading stage and grain filling stage of rice.

It improves grain filling rate and increases grain yield upto 1.5 percent.

Sugarcane:

A tonic with nutrients and growth regulators for sugarcane spray the TNAU sugarcane Booster at 45, 60 and 75 days after planting spray booster at 1kg 1.5kg and 2kg respectively and add required quantity of sticking agent.

Banana:

To overcome micro nutrient deficiency and to improve quality of banana fruit micronutrient plays a major role. Micro nutrient can be sprayed at 3,5 and 7 months after planting of banana.

Tomato:

Foliar spray of Zinc Sulphate ($ZnSO_4$ @ @ the 0.5 % thrice at 10 days intervals from 40 days after planting. Spray 19:19:19 + manganese (Mn) 1% at 60 days after planting.

Boric acid @ 0.3% @ flowering and 10 days later.

Brinjal:

To control shoot and fruit borer incidence in brinjal, spray Neem Seed Kernel Extract 5 % or Azadirachtin 1.0% EC 5ml/litre or or Emamectin benzoate 5 % SG 4g/litre.

*Nodal Officer (GKMS)
Professor and Head,
Department of Livestock Production Management
Madras Veterinary College, Chennai - 7*



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 three days around Villupuram area, the sky was mostly clear. Maximum temperature was 34.0-35.0°C and Minimum temperature was 25.0-27.0°C. Wind speed was 05-06 km per hour. Relative humidity was recorded between 73-85 %.

Past week Summary (03.04.2023-05.04.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 11.04.2023				
03.04.2023	04.04.2023	05.04.2023		Date	07.04.2023	08.04.2023	09.04.2023	10.04.2023
0.0	0.0	0.0	Rainfall (mm)	2	0	0	0	0
34	35	35	Max. Temp. (°C)	34	34	35	35	36
27	25	27	Mini. Temp. (°C)	27	27	28	28	28
78	85	82	Maximum RH %	80	80	80	80	80
78	73	75	Minimum RH %	40	40	40	40	40
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 East	Wind direction	West North West	West	South South West	West	North North West
6	5	5	Wind speed Kmp	6	6	4	4	6

Weather Summary for Villupuram district

Weather forecast for next five days: (07.04.2023-11.04.2023)

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 34.0-36.0°C. Minimum temperature is expected to be around 27.0-28.0°C. Morning relative humidity is expected to be around 80 per cent and evening relative humidity is expected to be around 40 per cent. Wind speed is expected to be around 04-06 km per hour and the wind direction will be from North North West.

SMS Advisory:

(07.04.2023-09.04.2023) Light to moderate rain is likely to occur at isolated places over Tamilnadu,

Livestock Advisory:

1. Under prevailing conditions due to warmer air temperature during day time the livestock especially dairy cattle must not be allowed for grazing to avoid heat stress.
2. The dairy cattle must be provided with shelter facilitated with heat amelioration measures to prevent drip in lactation due to heat stress. Measures such as fogging/misting may be provided during the noon hours.
3. The high yielding cross breed dairy cattle must be provided with succulent green fodder but at the same time the dry matter should be maintained 7 to 8 % of body weight.

4. The dairy buffaloes are very much prone to summer sub fertility, due to higher ambient air temperature. To prevent this proper sheltering with cooling facility are necessary.
5. In rabbits during summer to reduce the heat stress one crushed gooseberry per litre of water may be given.
6. For layers to prevent heat stress 0.25% of sodium carbonate could be mixed in drinking water.
7. To prevent heat stress in poultry the feeding time can be divided into 4 to 5 times per day.

Agricultural advisory

Rice:

Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 25% WG 100 g/ha or dimethoate 1.5ml/l. 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.

Sugarcane:

Mealy bug and pokkahboeng infection identified in sugarcane crop. Mealy bug affect growth of plants and pokkahboeng cause death of young spindles of sugarcane crop. To control spray imidacloprid 17.8 SL 0.6 ml/l or carbendazim 1.0 g/l. 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).

Blackgram:

Due prevailing weather conditions favourable for blackgram yellow mosaic virus infestation. Symptoms initially mild scattered yellow spots appear on young leaves. Spots gradually increase in size and ultimately some leaves turn completely yellow. Infected leaves also show necrotic symptoms. Pods of infected plants are reduced in size and turn yellow in colour. To control install 5 nos./acre of yellow sticky. Foliar spray of 10% notchi leaf extract at 30 DAS or spray imidacloprid 17.8 SL 100 ml/acre

Coconut:

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

Nodal Officer (GKMS)
Professor and Head,
Department of Livestock Production Management
Madras Veterinary College, Chennai – 7



Agromet Advisory Bulletin for the Kancheepuram District
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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 35.0-36.0°C and Minimum temperature was 27.0-28.0°C. Wind speed was 06-08 km per hour. Relative humidity was recorded between 60-74 %.

Past week Summary (03.04.2023-05.04.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 11.04.2023				
03.04.2023	04.04.2023	05.04.2023	Date	07.04.2023	08.04.2023	09.04.2023	10.04.2023	11.04.2023
0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
35	35	36	Max. Temp. (°C)	35	36	36	36	37
28	27	27	Mini. Temp. (°C)	26	26	27	28	28
74	74	74	Maximum RH %	90	80	80	80	80
64	60	72	Minimum RH %	50	50	50	50	50
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South East	South East	East South East	Wind direction	West North West	West	West	North West	North West
8	6	8	Wind speed Kmp	4	4	4	6	4

Weather Summary for Kancheepuram district

Weather forecast for next five days: (07.04.2023-11.04.2023)

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 26.0-28.0°C. Morning relative humidity is expected to be around 80-90 per cent and evening relative humidity is expected to be around 50 per cent. Wind speed is expected to be around 04-06 km per hour and the wind direction will be from North West.

SMS Advisory:

(07.04.2023-09.04.2023) Light to moderate rain is likely to occur at isolated places over Tamilnadu,

Livestock Advisory:

1. Under prevailing conditions due to warmer air temperature during day time the livestock especially dairy cattle must not be allowed for grazing to avoid heat stress.
2. The dairy cattle must be provided with shelter facilitated with heat amelioration measures to prevent drip in lactation due to heat stress. Measures such as fogging/misting may be provided during the noon hours.
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4. The dairy buffaloes are very much prone to summer sub fertility, due to higher ambient air temperature. To prevent this proper sheltering with cooling facility are necessary.
5. In rabbits during summer to reduce the heat stress one crushed gooseberry per litre of water may be given.
6. For layers to prevent heat stress 0.25% of sodium carbonate could be mixed in drinking water.
7. To prevent heat stress in poultry the feeding time can be divided into 4 to 5 times per day.

Agricultural advisory

Groundnut:

There are possibilities of late leaf spot disease infestation in Ground nut crop. For management farmers are advised to Spray Carbendazim 100gram or Mancozeb 200 gram per acre in 200 liter of spray solution.

Chilli:

There are possibilities of thrips infestation in chilli crops. For management farmers are advised to spray Emamectin benzoate 5 % SG @ 4g/tank of water.

Banana:

There are possibilities of Rugose Spiraling whitefly infestation in banana. For management farmers are advised to take up spray of Neem oil 3% or Imidacloprid @ 0.5 - 1 ml/liter of water.

Brinjal:

There are possibilities of fruit and shoot borer infestation in brinjal crop. For management farmers are advised to spray Emamectin benzoate 5 % SG @ 4 gram/10 liter of water.

*Nodal Officer (GKMS)
Professor and Head,
Department of Livestock Production Management
Madras Veterinary College, Chennai - 7*