



Agromet Advisory Bulletin for the Chennai District

Bulletin no. 58/2023 Issued on 21.07.2023

(22.07.2023-26.07.2023)

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 36.0-37.0°C and Minimum temperature was 29.0°C. Wind speed was 05-07 km per hour. Relative humidity was recorded between 42-68 %.

Past week Summary (18.07.2023-20.07.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 26.07.2023				
18.07.2023	19.07.2023	20.07.2023	Date	22.07.2023	23.07.2023	24.07.2023	25.07.2023	26.07.2023
0.0	0.0	0.0	Rainfall (mm)	0	0	2	6	3
37	36	36	Max. Temp. (°C)	36	36	34	34	34
29	29	29	Mini. Temp. (°C)	29	28	28	28	28
61	62	62	Maximum RH %	75	75	75	75	75
42	68	45	Minimum RH %	65	65	65	65	65
Partly cloudy	Partly cloudy	Partly cloudy	Cloud cover Octa	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
South West	West North West	West South West	Wind direction	West South West	West South West	West South West	West South West	West South West
7	6	5	Wind speed Kmp	12	12	14	16	16

Weather Summary for Chennai district

Weather forecast for next five days: (22.07.2023-26.07.2023)

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 34.0-36.0°C. Minimum temperature is expected to be around 28.0-29.0°C. Morning relative humidity is expected to be around 75 per cent and evening relative humidity is expected to be around 65 per cent. Wind speed is expected to be around 12-16 km per hour and the wind direction will be from West South West.

SMS Advisory:

(22.07.2023-26.07.2023) Light to moderate rain is likely to occur at one or two places over Tamilnadu.

Livestock Advisory

1. The farmers should avoid allowing the animals to graze in hot parts of the day.
2. Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
3. dryfodder and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin
4. Increasing the frequency of feeding from three to four times per day to high yielding crossbreed, dairy cattle would nominally increase milk production and at the same time will reduce the heat stress.
5. White pigs meant for fattening purpose which are fed with high fat containing swill feed would suffer heat load during digestion, during summer season. Hence to prevent this fat containing swill feed should be fed during late evening hours.
6. Rabbitaries with asbestos/metal roofs will experience more heat during summer, hence covering the roof with coconut leaves or gunny bags and splashing water over them will reduce the inner micro climate of rabbit shed.
7. Provision of cool wholesome drinking water to poultry during summer is essential.

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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 three days around TVMalai area, the sky was mostly clear. Maximum temperature was 34.0-37.0°C and Minimum temperature was 27.0°C. Wind speed was 07-13 km per hour. Relative humidity was recorded between 45-78 %.

Past week Summary (18.07.2023-20.07.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 26.07.2023				
18.07.2023	19.07.2023	20.07.2023		Date	22.07.2023	23.07.2023	24.07.2023	25.07.2023
0.0	0.0	0.0	Rainfall (mm)	0	0	2	4	3
36	37	34	Max. Temp. (°C)	37	37	35	35	35
27	27	27	Mini. Temp. (°C)	27	26	26	26	26
64	64	67	Maximum RH %	65	65	75	75	75
46	78	45	Minimum RH %	45	50	60	65	65
Partly cloudy	Partly cloudy	Partly cloudy	Cloud cover Octa	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
West	North West	South West	Wind direction	West	West	West	West	West
13	9	7	Wind speed Kmp	14	14	14	16	16

Weather Summary for TVMalai district

Weather forecast for next five days: (22.07.2023-26.07.2023)

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 35.0-37.0°C. Minimum temperature is expected to be around 26.0-27.0°C. Morning relative humidity is expected to be around 65-75 per cent and evening relative humidity is expected to be around 45-65 per cent. Wind speed is expected to be around 14-16 km per hour and the wind direction will be from West.

SMS Advisory:

(22.07.2023-26.07.2023) Light to moderate rain is likely to occur at one or two places over Tamilnadu.

Livestock Advisory:

1. The farmers should avoid allowing the animals to graze in hot parts of the day.
2. Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
3. dryfodder and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin

4. Increasing the frequency of feeding from three to four times per day to high yielding crossbreed, dairy cattle would nominally increase milk production and at the same time will reduce the heat stress.
5. White pigs meant for fattening purpose which are fed with high fat containing swill feed would suffer heat load during digestion, during summer season. Hence to prevent this fat containing swill feed should be fed during late evening hours.
6. Rabbitaries with asbestos/metal roofs will experience more heat during summer, hence covering the roof with coconut leaves or gunny bags and splashing water over them will reduce the inner micro climate of rabbit shed.
7. Provision of cool wholesome drinking water to poultry during summer is essential.

Agricultural advisory

Rice:

Due to day temperature, leaf folder incidence was observed in rice field. The symptom of damage shows the leaves fold longitudinally, scrapes the green tissues of the leaves, which later becomes white and dry and severe infestation the whole field exhibits scorched appearance. To control this, apply fipronil 80% WG 20-25 g/acre or spray NSKE 5% or Azadirachtin 0.03% 400ml/acre.

Groundnut:

To increase flower retention , pod filling and to induce drought tolerance apart from yield improvement , 2 sprays of groundnut rich @ 5 kg / ha(for each spray) at 35 DAS (50 % flowering) and 45 DAS (pod development stage).

Blackgram:

To decreases flower shedding , to increase yield upto 20% and to increase drought tolerance spray TNAU pulse wonder @ 2 kg / acre at peak flowering stage in 200 litres of water.

Sugarcane:

As strong winds are expected along with rainfall, so farmers are advised to detrash and propping in five months old sugarcane crop.

Coconut:

To control Rugose Spiraling Whitefly in coconut, setup yellow sticky traps (size 5x1.5 feet) @ 8/ac in between the trees.

Banana:

High wind speed (>10 kmph) is expected on forthcoming days, so prop up 5 month old banana trees.

Mango:

Due to prevailing weather condition, thrips incidence was observed in mango. To control this, spray imidachloprid 0.3ml/litre.

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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 three days around Villupuram area, the sky was mostly clear. Maximum temperature was 37.0-39.0°C and Minimum temperature was 27.0°C. Wind speed was 05-06 km per hour. Relative humidity was recorded between 52-75 %.

Past week Summary (18.07.2023-20.07.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 26.07.2023				
18.07.2023	19.07.2023	20.07.2023		Date	22.07.2023	23.07.2023	24.07.2023	25.07.2023
0.0	0.0	0.0	Rainfall (mm)	0	0	2	6	3
39	37	38	Max. Temp. (°C)	36	36	36	35	35
27	27	27	Mini. Temp. (°C)	28	28	27	25	26
72	75	71	Maximum RH %	70	70	70	70	70
52	67	53	Minimum RH %	60	60	60	60	60
Partly cloudy	Partly cloudy	Partly cloudy	Cloud cover Octa	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
South West	West	North West	Wind direction	South West	South West	South West	South West	West South West
5	5	6	Wind speed Kmp	10	10	8	8	10

Weather Summary for Villupuram district

Weather forecast for next five days: (22.07.2023-26.07.2023)

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 35.0-36.0°C. Minimum temperature is expected to be around 25.0-28.0°C. Morning relative humidity is expected to be around 70 per cent and evening relative humidity is expected to be around 60 per cent. Wind speed is expected to be around 08-10 km per hour and the wind direction will be from West South west.

SMS Advisory:

(22.07.2023-26.07.2023) Light to moderate rain is likely to occur at one or two places over Tamilnadu.

Livestock Advisory:

1. The farmers should avoid allowing the animals to graze in hot parts of the day.
2. Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
3. dryfodder and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin
4. Increasing the frequency of feeding from three to four times per day to high yielding crossbreed, dairy cattle would nominally increase milk production and at the same time will reduce the heat stress.

5. White pigs meant for fattening purpose which are fed with high fat containing swill feed would suffer heat load during digestion, during summer season. Hence to prevent this fat containing swill feed should be fed during late evening hours.
6. Rabbitaries with asbestos/metal roofs will experience more heat during summer, hence covering the roof with coconut leaves or gunny bags and splashing water over them will reduce the inner micro climate of rabbit shed.
7. Provision of cool wholesome drinking water to poultry during summer is essential.

Agricultural advisory

Rice:

Due to prevailing weather condition chances of mite infestation in paddy field. Mite infestation appears yellow and white spot and strip on the upper surface of the leaf due to sucking sap in lower surface of the leaf. To control spray propargite 300 ml/ ac with 50 ml of sticking agent.

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

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.

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Agromet Advisory Bulletin for the Kancheepuram District
Bulletin no. 58/2023 Issued on 21.07.2023
(22.07.2023-26.07.2023)



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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 36.0-37.0°C and Minimum temperature was 27.0-29.0°C. Wind speed was 07-08 km per hour. Relative humidity was recorded between 42-68%.

Past week Summary (18.07.2023-20.07.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 26.07.2023				
18.07.2023	19.07.2023	20.07.2023		Date	22.07.2023	23.07.2023	24.07.2023	25.07.2023
0.1	0.0	2.9	Rainfall (mm)	0	3	4	8	4
37	36	36	Max. Temp. (°C)	36	36	34	32	34
28	29	27	Mini. Temp. (°C)	28	27	27	25	25
68	60	66	Maximum RH %	65	65	75	75	70
43	54	42	Minimum RH %	55	55	60	60	60
Partly cloudy	Partly cloudy	Partly cloudy	Cloud cover Octa	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
South West	West	West South West	Wind direction	West	West	West	West	West South West
7	8	7	Wind speed Kmp	10	10	10	12	12

Weather Summary for Kancheepuram district

Weather forecast for next five days: (22.07.2023-26.07.2023)

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 32.0-36.0°C. Minimum temperature is expected to be around 25.0-28.0°C. Morning relative humidity is expected to be around 65-75 per cent and evening relative humidity is expected to be around 55-60 per cent. Wind speed is expected to be around 10-12 km per hour and the wind direction will be from West South West.

SMS Advisory:

(22.07.2023-26.07.2023) Light to moderate rain is likely to occur at one or two places over Tamilnadu.

Livestock Advisory:

1. The farmers should avoid allowing the animals to graze in hot parts of the day.
2. Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
3. dryfodder and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin
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6. Rabbitaries with asbestos/metal roofs will experience more heat during summer, hence covering the roof with coconut leaves or gunny bags and splashing water over them will reduce the inner micro climate of rabbit shed.
7. Provision of cool wholesome drinking water to poultry during summer is essential.

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:

There are possibilities of early leaf spot infestation in ground nut crop. For management farmers are advised to apply Chlorothalonil @ 400 g/acre.

Brinjal:

There are possibilities of damping off infestation in brinjal nursery field. For management farmers are advised to apply *Pseudomonas fluorescens* as a soil application @ 2.5 kg/ha mixed with 50 kg of FYM

Chilli:

There is possibilities thrips infestation in chilli crop. For management farmers are advised spray Emamectin benzoate 5 % SG @ 4 g/10 lit.

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