



Agromet Advisory Bulletin for the Chennai District

Bulletin no. 34/2023 Issued on 28.04.2023

(29.04.2023-03.05.2023)

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 35.0-36.0°C and Minimum temperature was 27.0-29.0°C. Wind speed was 03-04 km per hour. Relative humidity was recorded between 63-83 %.

Past week Summary (25.04.2023-27.04.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 03.05.2023				
25.04.2023	26.04.2023	27.04.2023	Date	29.04.2023	30.04.2023	01.05.2023	02.05.2023	03.05.2023
0.2	0.0	0.0	Rainfall (mm)	0	0	4	10	8
36	35	35	Max. Temp. (°C)	35	36	36	35	35
29	27	27	Mini. Temp. (°C)	28	29	29	28	28
71	83	68	Maximum RH %	80	80	80	80	80
76	63	69	Minimum RH %	40	40	40	50	50
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
East	East North East	South East	Wind direction	South South East	South	South South West	South	South South East
4	3	4	Wind speed Kmp	6	6	4	6	6

Weather Summary for Chennai district

Weather forecast for next five days: (29.04.2023-03.05.2023)

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 28.0-29.0°C. Morning relative humidity is expected to be around 80 per cent and evening relative humidity is expected to be around 40-50 per cent. Wind speed is expected to be around 04-06 km per hour and the wind direction will be from South South East.

SMS Advisory:

(29.04.2023-03.05.2023) Light to moderate rain is likely to occur at isolated 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. Dry fodder's 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. When the air temperature is above 35 degrees Celsius the dairy cattle tend to drink more water thereby decreasing the Dry Matter Intake (DMI). Hence to overcome this succulent protein rich green fodder mixed with green fodder may be provided to livestock.
6. 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 containingswill feed should be fed during late evening hours.
7. 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.
8. Provision of cool wholesome drinking water to poultry during summer is essential.

*Nodal Officer (GKMS)
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Agromet Advisory Bulletin for the Thiruvannamalai District
Bulletin no. 34/2023 Issued on 25.04.2023
(29.04.2023-03.05.2023)



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 TVMalai .

During past three days around TVMalai area, the sky was mostly clear. Maximum temperature was 35.0-38.0°C and Minimum temperature was 25.0-26.0°C. Wind speed was 03-07 km per hour. Relative humidity was recorded between 44-85 %.

Past week Summary (25.04.2023-27.04.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 03.05.2023				
25.04.2023	26.04.2023	27.04.2023		Date	29.04.2023	30.04.2023	01.05.2023	02.05.2023
0.3	0.2	0.0	Rainfall (mm)	2	0	10	10	16
36	35	38	Max. Temp. (°C)	37	36	36	35	34
25	26	26	Mini. Temp. (°C)	26	26	25	25	24
83	85	80	Maximum RH %	80	80	80	80	80
55	44	48	Minimum RH %	30	30	30	50	50
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South East	East	East North East	Wind direction	South South West	South East	South South West	South South East	South South West
6	7	3	Wind speed Kmp	4	4	4	4	4

Weather Summary for TVMalai district

Weather forecast for next five days: (29.04.2023-03.05.2023)

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 34.0-37.0°C. Minimum temperature is expected to be around 24.0-26.0°C. Morning relative humidity is expected to be around 80 per cent and evening relative humidity is expected to be around 30-50 per cent. Wind speed is expected to be around 04 km per hour and the wind direction will be from South South West.

SMS Advisory:

(29.04.2023-03.05.2023) Light to moderate rain is likely to occur at isolated 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. Dry fodder's 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. When the air temperature is above 35 degrees Celsius the dairy cattle tend to drink more water thereby decreasing the Dry Matter Intake (DMI). Hence to overcome this succulent protein rich green fodder mixed with green fodder may be provided to livestock.
6. 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.
7. 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.
8. Provision of cool wholesome drinking water to poultry during summer is essential.

Agricultural advisory

Rice:

Harvest the matured paddy crops and store in safe places.

For nursery land preparation, to prevent soil borne diseases and better establishment of seedlings apply Azospirillum 2.5 Kg mixed with 25 kg of soil.

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.

Coconut:

Apply coconut husks with convex surface facing upwards (100 Nos) or dried coconut leaves (15 Nos) or coir pith upto a height of 10 cm in the basin of 1.8 meter radius around the palms as much for soil moisture conservation particularly during summer season.

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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 32.0-35.0°C and Minimum temperature was 25.0-28.0°C. Wind speed was 04-05 km per hour. Relative humidity was recorded between 72-94 %.

Past week Summary (25.04.2023-27.04.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 03.05.2023				
25.04.2023	26.04.2023	27.04.2023		Date	29.04.2023	30.04.2023	01.05.2023	02.05.2023
2.6	1.8	0.1	Rainfall (mm)	3	0	6	8	12
35	32	34	Max. Temp. (°C)	35	36	36	35	34
25	27	28	Mini. Temp. (°C)	28	27	27	26	26
94	91	85	Maximum RH %	80	80	80	80	80
78	78	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	South East	Wind direction	South South West	South	South South West	South South West	South South West
4	5	4	Wind speed Kmp	4	6	4	6	6

Weather Summary for Villupuram district

Weather forecast for next five days: (29.04.2023-03.05.2023)

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 26.0-28.0°C. Morning relative humidity is expected to be around 80 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 South South West.

SMS Advisory:

(29.04.2023-03.05.2023) Light to moderate rain is likely to occur at isolated 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. Dry fodder's 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. When the air temperature is above 35 degrees Celsius the dairy cattle tend to drink more water thereby decreasing the Dry Matter Intake (DMI). Hence to overcome this succulent protein rich green fodder mixed with green fodder may be provided to livestock.
6. White pigs meant for fattening purpose which are fed with high fat containing will feed would suffer heat load during digestion, during summer season. Hence to prevent this fat containing will feed should be fed during late evening hours.
7. 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.
8. Provision of cool wholesome drinking water to poultry during summer is essential.

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. 2. 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 carbosulfan 400 ml/ac + imidaclopride 40ml/ac or pymetrozine 120 g/ac with wetting agent.

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.

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
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(29.04.2023-03.05.2023)



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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 three days around Kancheepuram area, the sky was mostly clear. Maximum temperature was 35.0-36.0°C and Minimum temperature was 26.0-27.0°C. Wind speed was 03-06 km per hour. Relative humidity was recorded between 62-85 %.

Past week Summary (25.04.2023-27.04.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 03.05.2023				
25.04.2023	26.04.2023	27.04.2023		Date	29.04.2023	30.04.2023	01.05.2023	02.05.2023
0.0	0.0	0.0	Rainfall (mm)	0	0	4	6	4
36	35	35	Max. Temp. (°C)	36	37	37	36	35
26	27	27	Mini. Temp. (°C)	27	28	28	28	27
85	71	70	Maximum RH %	80	80	80	70	70
72	62	68	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
East South East	East South East	South East	Wind direction	South	South	South South West	South South West	South South West
3	6	6	Wind speed Kmp	4	4	4	6	4

Weather Summary for Kancheepuram district

Weather forecast for next five days: (29.04.2023-03.05.2023)

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 27.0-28.0°C. Morning relative humidity is expected to be around 70-80 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 South South West.

SMS Advisory:

(29.04.2023-03.05.2023) Light to moderate rain is likely to occur at isolated 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.
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Agricultural advisory

Blackgram:

There is possibilities Whitefly infestation in black gram crop. For management farmers are advised to spray Methyl demeton 25 EC 500 ml/ha or Dimethoate 30 EC 500 ml/ha.

Groundnut:

There are possibilities of tobacco caterpillar infestation in groundnut crop. The larvae feed upon the green leaves and scrap the leaf chlorophyll; in severe case only petioles will remain in the leaf. For management farmers are advised to Dichlorvos 76 WSC 750 ml/ha or Imidacloprid 17.8% SL 100 -125 ml/ha.

Snake gourd:

Forecasted weather may cause fruit fly infestation in cucurbit crops. For management farmers may apply carbary @ 0.15%.

Watermelon:

There are possibilities of sucking pest infestation in watermelon. For management farmers are advised to spray imidacloprid 70% WG @ 35 ml//ha.

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