



Agromet Advisory Bulletin for the Chennai District

Bulletin no. 48/2023 Issued on 16.06.2023

(17.06.2023-21.06.2023)

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 40.0-41.0°C and Minimum temperature was 29.0-31.0°C. Wind speed was 05-06 km per hour. Relative humidity was recorded between 50-62 %.

Past week Summary (13.06.2023-15.06.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 21.06.2023				
13.06.2023	14.06.2023	15.06.2023	Date	17.06.2023	18.06.2023	19.06.2023	20.06.2023	21.06.2023
0.3	0.8	0.0	Rainfall (mm)	0	4	14	20	6
40	41	41	Max. Temp. (°C)	40	40	39	38	38
29	29	31	Mini. Temp. (°C)	31	30	30	29	29
59	55	50	Maximum RH %	60	70	80	90	80
62	56	62	Minimum RH %	30	30	40	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	West South West	West	South South West	West South West	South West
5	6	5	Wind speed Kmp	10	12	14	10	12

Weather Summary for Chennai district

Weather forecast for next five days: (17.06.2023-21.06.2023)

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 38.0-40.0°C. Minimum temperature is expected to be around 29.0-31.0°C. Morning relative humidity is expected to be around 60-90 per cent and evening relative humidity is expected to be around 30-50 per cent. Wind speed is expected to be around 10-14 km per hour and the wind direction will be from South West.

SMS Advisory:

(19.06.2023-21.06.2023) Heavy rain likely to occur at isolated places over Kanchipuram, Chengalpattu, Tiruvallur, Ranipet, Vellore, Tirupattur, Tiruvannamalai, Villupuram, Krishnagiri, Kallakurichi, Cuddalore districts of Tamilnadu

Livestock Advisory

1. The farmers are advised to preserve rice straw after harvesting the paddy crop which has to be used as livestock feed.
2. The livestock especially dairy cattle, sheep and goat must not be allowed to stand in slushy and filthy area to prevent foot rot.
3. Egg laying poultry (layers) suffering from lice infestation must be looked into with proper attention. Dipping solution must be rubbed over the affected body parts and feathers using cloth or cotton, during Sunny part of the day
4. Dry fodders and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin.
5. Due to high humidity, Young animals may suffer from pneumonia, get veterinary doctors advice.
6. The weather conditions prevailing now are a conducive environment for mosquitoes & flies. Hence the farmers are advised to spray insecticides around the farm premises.
7. Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

*Nodal Officer (GKMS)
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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 39.0-40.0°C and Minimum temperature was 26.0-28.0°C. Wind speed was 06-12 km per hour. Relative humidity was recorded between 38-69 %.

Past week Summary (13.06.2023-15.06.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 21.06.2023				
13.06.2023	14.06.2023	15.06.2023	Date	17.06.2023	18.06.2023	19.06.2023	20.06.2023	21.06.2023
9.2	6.3	0.0	Rainfall (mm)	3	10	24	28	30
40	39	39	Max. Temp. (°C)	41	40	39	39	38
26	26	28	Mini. Temp. (°C)	29	28	27	27	27
67	69	62	Maximum RH %	60	80	90	90	90
60	45	38	Minimum RH %	30	30	50	70	50
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
North West	West South West	West South West	Wind direction	West	South South West	South South West	West South West	West
6	10	12	Wind speed Kmp	16	8	12	10	10

Weather Summary for TVMalai district

Weather forecast for next five days: (17.06.2023-21.06.2023)

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 38.0-41.0°C. Minimum temperature is expected to be around 27.0-29.0°C. Morning relative humidity is expected to be around 60-90 per cent and evening relative humidity is expected to be around 30-70 per cent. Wind speed is expected to be around 08-16 km per hour and the wind direction will be from West.

SMS Advisory:

(19.06.2023-21.06.2023) Heavy rain likely to occur at isolated places over Kanchipuram, Chengalpattu, Tiruvallur, Ranipet, Vellore, Tirupattur, Tiruvannamalai, Villupuram, Krishnagiri, Kallakurichi, Cuddalore districts of Tamilnadu

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3. Egg laying poultry (layers) suffering from lice infestation must be looked into with proper attention. Dipping solution must be rubbed over the affected body parts and feathers using cloth or cotton, during Sunny part of the day
4. Dry fodders and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin.
5. Due to high humidity, Young animals may suffer from pneumonia, get veterinary doctors advice.
6. The weather conditions prevailing now are a conclusive environment for mosquitoes & flies. Hence the farmers are advised to spray insecticides around the farm premises.
7. Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

Agricultural advisory

Rice:

Due to prevailing weather condition, thrips, leaf folder and stem borer incidence was observed in rice field. The symptom of thrips damage leaf shows discoloration and rolling, yellow or silvery streaks on the leaves of young seedlings and leaf tips wither off. For thrips management, spray azadirachtin 0.15% @600-1000 ml/acre or thiamethoxam 25 WG @40g/acre. To control leaf folder and stem borer incidence, apply fipronil 80% WG 20-25 g/acre.

Groundnut:

Suitable for Vaikasi pattam (May-June) groundnut varieties: VRI-10, TMV-10,14 and TMVG13. Treat the groundnut seeds with Trichoderma @ 4g/kg just before sowing. Leaf minor incidence was observed in groundnut field. The symptom of damage, young larvae initially mine into the leaflets, feed on the mesophyll and form small brown blotches on the leaf. Later stages larvae web the leaflets together and feed on them, remaining within the folds. Severely attacked field looks "burnt" from a distance. To control this, set up light trap@ 5/acre or spray methyl demeton 25 EC 400ml/acre.

Coconut:

The coconut tree basins may be sown with sunhemp in the onset of monsoon and incorporated at flowering stage.

Mango:

The mango crop harvesting is in progress. The fruit may be harvested with 1cm stalk to avoid flow of latex.

The fruits may be treated with 2ml /lit Ethrel along with few sodium hydroxide pellets for uniform ripening and color development.

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 three days around Villupuram area, the sky was mostly clear. Maximum temperature was 39.0-40.0°C and Minimum temperature was 27.0-28.0°C. Wind speed was 05 km per hour. Relative humidity was recorded between 62-75 %.

Past week Summary (13.06.2023-15.06.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 21.06.2023				
13.06.2023	14.06.2023	15.06.2023	Date	17.06.2023	18.06.2023	19.06.2023	20.06.2023	21.06.2023
2.3	1.3	0.0	Rainfall (mm)	4	8	32	12	8
40	39	39	Max. Temp. (°C)	40	39	39	38	38
27	28	28	Mini. Temp. (°C)	28	27	27	26	26
75	69	67	Maximum RH %	60	70	90	90	70
67	64	62	Minimum RH %	30	40	60	70	50
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South East	South	South	Wind direction	West South West	South South West	South West	West South West	West South West
5	5	5	Wind speed Kmp	14	12	16	10	12

Weather Summary for Villupuram district

Weather forecast for next five days: (17.06.2023-21.06.2023)

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 38.0-40.0°C. Minimum temperature is expected to be around 26.0-28.0°C. Morning relative humidity is expected to be around 60-90 per cent and evening relative humidity is expected to be around 30-70 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:

(19.06.2023-21.06.2023) Heavy rain likely to occur at isolated places over Kanchipuram, Chengalpattu, Tiruvallur, Ranipet, Vellore, Tirupattur, Tiruvannamalai, Villupuram, Krishnagiri, Kallakurichi, Cuddalore districts of Tamilnadu.

Livestock Advisory:

1. The farmers are advised to preserve rice straw after harvesting the paddy crop which has to be used as livestock feed.

2. The livestock especially dairy cattle, sheep and goat must not be allowed to stand in slushy and filthy area to prevent foot rot.
3. Egg laying poultry (layers) suffering from lice infestation must be looked into with proper attention. Dipping solution must be rubbed over the affected body parts and feathers using cloth or cotton, during Sunny part of the day
4. Dry fodders and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin.
5. Due to high humidity, Young animals may suffer from pneumonia, get veterinary doctors advice.
6. The weather conditions prevailing now are a conclusive environment for mosquitoes & flies. Hence the farmers are advised to spray insecticides around the farm premises.
7. Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

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.

Groundnut:

Groundnut growing farmers reduce the root rot infection treat the seeds with carbendazim @ 2.0 g/kg of seed 24 hours before sowing (or) Trichoderma viride @ 4.0 g/kg of seed (or) bacillus subtilis @ 10 g/kg seed.

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. 2. 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).

Coconut:

Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. 2. Encourage buildup of parasitoids (Encarsia sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. 3. In severe 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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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 40.0-41.0°C and Minimum temperature was 26.0-29.0°C. Wind speed was 06-13 km per hour. Relative humidity was recorded between 39-63%.

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13.06.2023	14.06.2023	15.06.2023		Date	17.06.2023	18.06.2023	19.06.2023	20.06.2023
5.3	5.9	0.0	Rainfall (mm)	0	4	20	22	24
41	40	40	Max. Temp. (°C)	41	41	40	39	39
26	28	29	Mini. Temp. (°C)	29	29	28	27	27
63	62	50	Maximum RH %	60	70	90	90	80
55	39	56	Minimum RH %	40	40	50	70	50
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South East	West	East	Wind direction	West South West	West	South South West	West South West	South West
6	9	13	Wind speed Kmp	8	16	12	8	14

Weather Summary for Kancheepuram district

Weather forecast for next five days: (17.06.2023-21.06.2023)

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 39.0-41.0°C. Minimum temperature is expected to be around 27.0-29.0°C. Morning relative humidity is expected to be around 60-90 per cent and evening relative humidity is expected to be around 40-70 per cent. Wind speed is expected to be around 08-16 km per hour and the wind direction will be from South West.

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7. Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

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.

Brinjal:

There are possibilities of mealybug infestation in brinjal crops. For management farmers are advised to spray Profenophos 2ml/lit of water.

Chilli:

There are possibilities of whitefly transmitted leaf curl virus infestation in Chilli. For the management of vector farmers are advised to spray Dimethoate 2ml of Acephate 1g per litre of water.

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