



Agromet Advisory Bulletin for the Chennai District

Bulletin no. 53/2023 Issued on 04.07.2023

(05.07.2023-09.07.2023)

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 four days around Chennai area, the sky was mostly clear. Maximum temperature was 32.0-36.0°C and Minimum temperature was 26.0-29.0°C. Wind speed was 04-07 km per hour. Relative humidity was recorded between 50-90 %.

Past week Summary (30.06.2023-03.07.2023)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 09.07.2023				
30.06.2023	01.07.2023	02.07.2023	03.07.2023		Date	05.07.2023	06.07.2023	07.07.2023	08.07.2023
1.3	0.1	0.0	1.6	Rainfall (mm)	6	4	4	0	0
35	36	36	32	Max. Temp. (°C)	34	34	33	34	34
28	29	29	26	Mini. Temp. (°C)	27	26	26	27	27
66	57	58	90	Maximum RH %	70	70	70	60	60
50	67	68	69	Minimum RH %	50	50	60	40	40
clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South West	South East	South South East	South East	Wind direction	South West	South South West	West South West	West South West	West
4	7	6	5	Wind speed Kmp	14	12	16	14	18

Weather Summary for Chennai district

Weather forecast for next five days: (05.07.2023-09.07.2023)

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 33.0-34.0°C. Minimum temperature is expected to be around 26.0-27.0°C. Morning relative humidity is expected to be around 60-70 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 West.

SMS Advisory:

(05.07.2023-09.07.2023) Light to moderate rain is likely to occur at one or two places over 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.

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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 33.0-38.0°C and Minimum temperature was 26.0-27.0°C. Wind speed was 02-10 km per hour. Relative humidity was recorded between 47-74 %.

Past week Summary (30.06.2023-03.07.2023)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 09.07.2023				
30.06.2023	01.07.2023	02.07.2023	03.07.2023		Date	05.07.2023	06.07.2023	07.07.2023	08.07.2023
0.0	0.0	2.2	0.9	Rainfall (mm)	15	12	8	0	0
35	36	38	33	Max. Temp. (°C)	37	36	36	36	37
26	26	27	26	Mini. Temp. (°C)	27	26	26	26	27
74	64	63	74	Maximum RH %	80	80	70	70	60
50	50	47	62	Minimum RH %	50	60	50	50	50
clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South West	West South West	West South West	West	Wind direction	South West	South South West	West South West	West South West	West
7	10	8	2	Wind speed Kmp	14	10	12	12	16

Weather Summary for TVMalai district

Weather forecast for next five days: (05.07.2023-09.07.2023)

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 36.0-37.0°C. Minimum temperature is expected to be around 26.0-27.0°C. Morning relative humidity is expected to be around 60-80 per cent and evening relative humidity is expected to be around 50-60 per cent. Wind speed is expected to be around 10-16 km per hour and the wind direction will be from West.

SMS Advisory:

(05.07.2023-09.07.2023) Light to moderate rain is likely to occur at one or two places over 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:

Transplanting of rice varieties may be done utilizing the expected rainfall.
To provide proper drainage facility to the nursery field.

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.

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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 31.0-37.0°C and Minimum temperature was 26.0-27.0°C. Wind speed was 00-06 km per hour. Relative humidity was recorded between 66-92 %.

Past week Summary (30.06.2023-03.07.2023)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 09.07.2023				
30.06.2023	01.07.2023	02.07.2023	03.07.2023		Date	05.07.2023	06.07.2023	07.07.2023	08.07.2023
0.8	0.0	5.3	0.7	Rainfall (mm)	15	10	3	0	0
37	36	37	31	Max. Temp. (°C)	32	31	31	32	33
26	26	27	27	Mini. Temp. (°C)	24	23	23	24	24
78	63	74	92	Maximum RH %	76	80	74	68	63
66	72	75	80	Minimum RH %	50	69	57	47	46
clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South East	South East	South South East		Wind direction	South West	South West	South West	West South West	West
6	3	4	0	Wind speed Kmp	18	14	10	10	16

Weather Summary for Villupuram district

Weather forecast for next five days: (05.07.2023-09.07.2023)

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 31.0-33.0°C. Minimum temperature is expected to be around 23.0-24.0°C. Morning relative humidity is expected to be around 63-80 per cent and evening relative humidity is expected to be around 46-69 per cent. Wind speed is expected to be around 10-18 km per hour and the wind direction will be from West.

SMS Advisory:

(05.07.2023-09.07.2023) Light to moderate rain is likely to occur at one or two places over 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:

Prevailing weather condition is favorable for bacterial leaf blight infection in rice crop. White colour streaks appear leaf and it turns brown in colour and dried. To control spray copper hydroxide @ 300 g/ac. Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 40 g/ac or azadirachtin 400 ml/ac (10000 PPM). Due to prevailing weather condition leaf folder 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:

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 four days around Kancheepuram area, the sky was mostly clear. Maximum temperature was 32.0-37.0°C and Minimum temperature was 25.0-28.0°C. Wind speed was 06-10 km per hour. Relative humidity was recorded between 51-94%.

Past week Summary (30.06.2023-03.07.2023)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 09.07.2023				
30.06.2023	01.07.2023	02.07.2023	03.07.2023		Date	05.07.2023	06.07.2023	07.07.2023	08.07.2023
5.5	1.1	6.0	15.3	Rainfall (mm)	8	6	4	0	0
35	35	37	32	Max. Temp. (°C)	34	34	33	34	35
27	28	28	25	Mini. Temp. (°C)	27	27	26	27	27
63	54	57	94	Maximum RH %	80	80	70	60	60
51	56	57	78	Minimum RH %	50	60	60	50	40
clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South	South East	South East	South East	Wind direction	South West	South South West	South West	West South West	West
6	9	10	7	Wind speed Kmp	16	14	16	18	16

Weather Summary for Kancheepuram district

Weather forecast for next five days: (05.07.2023-09.07.2023)

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 33.0-35.0°C. Minimum temperature is expected to be around 26.0-27.0°C. Morning relative humidity is expected to be around 60-80 per cent and evening relative humidity is expected to be around 40-60 per cent. Wind speed is expected to be around 14-18 km per hour and the wind direction will be from West.

SMS Advisory:

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Livestock Advisory:

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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

Sugarcane:

To avoid the side shoot germination from internodes in sugarcane farmers may detrash the sugarcane and advised to go for double line propping with trash twist.

Chilli:

There are possibilities of rainfall in upcoming days, so farmers are advised to create proper drainage facilities in vegetable crop fields to drain the excess water.

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 (or) Prepare raised nursery beds and avoid stagnation of water.

Bitter Gourd:

There are possibilities of leaf minor infestation in Cucurbit crops. Farmers are advised to take necessary plant protection measures as per the advice of the Horticulture Officer.

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