



Agromet Advisory Bulletin for the Chennai District

Bulletin no. 051/2024 Issued on 25.06.2024

(26.06.2024-30.06.2024)

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 36.0-37.0°C and Minimum temperature was 25.0-29.0°C. Wind speed was 05-07 km per hour. Relative humidity was recorded between 50-72 %.

Past week Summary (21.06.2024-24.06.2024)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 30.06.2024				
21.06.2024	22.06.2024	23.06.2024	24.06.2024		Date	26.06.2024	27.06.2024	28.06.2024	29.06.2024
11.2	3.7	0.0	0.2	Rainfall (mm)	4	2	2	1	0
36	37	37	37	Max. Temp. (°C)	36	35	35	36	36
25	28	28	29	Mini. Temp. (°C)	28	27	27	27	27
70	66	72	72	Maximum RH %	60	60	60	60	70
50	57	70	65	Minimum RH %	50	50	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 South West	West	East South East	South South West	Wind direction	South West	West	West South West	South South West	South
7	5	5	5	Wind speed Kmp	18	18	22	22	22

Weather Summary for Chennai district

Weather forecast for next five days: (26.06.2024-30.06.2024)

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 60-70 per cent and evening relative humidity is expected to be around 50 per cent. Wind speed is expected to be around 18-22 km per hour and the wind direction will be from South.

SMS Advisory:

(26.06.2024-30.06.2024) Light to moderate rain is likely to occur at one or two places over Tamilnadu.

Livestock Advisory:

1. Accidental grazing of new shoots of sorghum fodder may lead to HCN poisoning and death, hence farmers are advised to take precautionary measures
2. Small ruminants overfed with excessive grain feed are at the edge of procuring Enterotoxaemia, hence precautionary measures should be taken
3. The drainage system in cattle shed must be open and blockage free with access to easy cleaning to prevent fly breeding.

4. 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.
5. To prevent E.coli infection in nursery piggery shed the floor must be washed with luke warm saline / good irritant free disinfectant atleast weekly once.
6. Native poultry reared under integrated method incase infested with lice, must be given medicated bath. A sponge dipped in one ml of butox mixed in one litre of water could be rubbed all over the body on a bright sunny day. Care must be exercised to avoid eyes ear lobe and mouth.

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.

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.

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.

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:

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

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.

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.

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



Agromet Advisory Bulletin for the Tiruvallur District

Bulletin no. 051/2024 Issued on 25.06.2024

(26.06.2024-30.06.2024)

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 Tiruvallur.

During past four days around Tiruvallur area, the sky was mostly clear. Maximum temperature was 36.0-37.0°C and Minimum temperature was 25.0-29.0°C. Wind speed was 05-07 km per hour. Relative humidity was recorded between 50-72 %.

Past week Summary (21.06.2024-24.06.2024)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 30.06.2024				
21.06.2024	22.06.2024	23.06.2024	24.06.2024	Date	26.06.2024	27.06.2024	28.06.2024	29.06.2024	30.06.2024
6.7	3.0	0.0	0.3	Rainfall (mm)	3	2	3	3	0
36	37	37	37	Max. Temp. (°C)	36	35	35	36	36
25	28	28	29	Mini. Temp. (°C)	28	27	27	27	27
70	66	72	72	Maximum RH %	60	60	60	60	70
50	57	70	65	Minimum RH %	50	50	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 South West	West	East South East	South South West	Wind direction	West South West	West North West	West South West	South South West	South South West
7	5	5	5	Wind speed Kmp	12	16	18	18	18

Weather Summary for Tiruvallur district

Weather forecast for next five days: (26.06.2024-30.06.2024)

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SMS Advisory:

(26.06.2024-30.06.2024) Light to moderate rain is likely to occur at one or two places over Tamilnadu.

Livestock Advisory:

1. Accidental grazing of new shoots of sorghum fodder may lead to HCN poisoning and death, hence farmers are advised to take precautionary measures
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3. The drainage system in cattle shed must be open and blockage free with access to easy cleaning to prevent fly breeding.

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Agricultural advisory

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Sugarcane:

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Coconut:

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

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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.

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



Agromet Advisory Bulletin for the Thiruvannamalai District

Bulletin no. 051/2024 Issued on 25.06.2024

(26.06.2024-30.06.2024)

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 four 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 00-07 km per hour. Relative humidity was recorded between 60-85 %.

Past week Summary (21.06.2024-24.06.2024)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 30.06.2024				
21.06.2024	22.06.2024	23.06.2024	24.06.2024		Date	26.06.2024	27.06.2024	28.06.2024	29.06.2024
3.2	3.2	5.5	0.0	Rainfall (mm)	2	2	3	2	0
35	36	36	37	Max. Temp. (°C)	35	36	35	35	36
25	25	26	27	Mini. Temp. (°C)	26	25	25	24	25
83	81	73	72	Maximum RH %	60	60	70	70	70
85	72	60	62	Minimum RH %	40	50	50	30	30
clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South South West		South South West	South South West	Wind direction	West South West	West	West	South West	West South West
7	0	6	7	Wind speed Kmp	18	18	18	12	12

Weather Summary for TVMalai district

Weather forecast for next five days: (26.06.2024-30.06.2024)

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 35.0-36.0°C. Minimum temperature is expected to be around 24.0-26.0°C. Morning relative humidity is expected to be around 60-70 per cent and evening relative humidity is expected to be around 30-50 per cent. Wind speed is expected to be around 12-18 km per hour and the wind direction will be from West South West.

SMS Advisory:

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Agromet Advisory Bulletin for the Vellore District

Bulletin no. 051/2024 Issued on 25.06.2024

(26.06.2024-30.06.2024)

Issued jointly by

Tamil Nadu Veterinary and Animal Sciences University
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Weather Summary for the period since the issue of last bulletin for Vellore.

During past four days around Vellore 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 00-07 km per hour. Relative humidity was recorded between 60-85 %.

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1.3	8.5	0.0	0.1	Rainfall (mm)	0	3	4	3	0
35	36	36	37	Max. Temp. (°C)	35	36	35	35	36
25	25	26	27	Mini. Temp. (°C)	26	25	25	24	25
83	81	73	72	Maximum RH %	60	60	70	70	70
85	72	60	62	Minimum RH %	40	50	50	30	30
clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South South West		South South West	South South West	Wind direction	West	West	West South West	West South West	West South West
7	0	6	7	Wind speed Kmp	22	22	20	18	20

Weather Summary for Vellore district

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Livestock Advisory:

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Agricultural advisory

Rice:

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Sugarcane:

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Coconut:

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Mango:

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*Nodal Officer (GKMS)
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Agromet Advisory Bulletin for the Villupuram District
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Issued jointly by
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During past four days around Villupuram area, the sky was mostly clear. Maximum temperature was 34.0-38.0°C and Minimum temperature was 25.0-27.0°C. Wind speed was 00-04 km per hour. Relative humidity was recorded between 61-87 %.

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0.9	2.3	12.9	6.2	Rainfall (mm)	0	0	5	0	0
34	37	38	35	Max. Temp. (°C)	36	35	35	34	35
25	27	26	27	Mini. Temp. (°C)	27	26	26	25	26
83	76	87	80	Maximum RH %	70	70	70	70	70
61	66	73	64	Minimum RH %	60	50	50	40	30
clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
West	South			Wind direction	South West	West South West	West South West	South South West	South South West
4	4	0	0	Wind speed Kmp	18	14	16	16	18

Weather Summary for Villupuram district

Weather forecast for next five days: (26.06.2024-30.06.2024)

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SMS Advisory:

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Livestock Advisory:

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Mango:

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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.

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



Agromet Advisory Bulletin for the Cuddalore District

Bulletin no. 051/2024 Issued on 25.06.2024

(26.06.2024-30.06.2024)

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 Cuddalore.

During past four days around Cuddalore area, the sky was mostly clear. Maximum temperature was 34.0-38.0°C and Minimum temperature was 25.0-27.0°C. Wind speed was 00-04 km per hour. Relative humidity was recorded between 61-87 %.

Past week Summary (21.06.2024-24.06.2024)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 30.06.2024				
21.06.2024	22.06.2024	23.06.2024	24.06.2024	Date	26.06.2024	27.06.2024	28.06.2024	29.06.2024	30.06.2024
1.6	0.3	11.2	0.1	Rainfall (mm)	6	3	5	0	0
34	37	38	35	Max. Temp. (°C)	36	35	35	34	35
25	27	26	27	Mini. Temp. (°C)	27	26	26	25	26
83	76	87	80	Maximum RH %	70	70	70	70	70
61	66	73	64	Minimum RH %	60	50	50	40	30
clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
West	South			Wind direction	South West	West South West	South West	South South West	South South West
4	4	0	0	Wind speed Kmp	14	14	12	18	22

Weather Summary for Cuddalore district

Weather forecast for next five days: (26.06.2024-30.06.2024)

According to district forecast issued by the India Meteorological Department for Cuddalore 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 25.0-27.0°C. Morning relative humidity is expected to be around 70 per cent and evening relative humidity is expected to be around 30-60 per cent. Wind speed is expected to be around 12-22 km per hour and the wind direction will be from South South West.

SMS Advisory:

(26.06.2024-30.06.2024) Light to moderate rain is likely to occur at one or two places over Tamilnadu.

Livestock Advisory:

1. Accidental grazing of new shoots of sorghum fodder may lead to HCN poisoning and death, hence farmers are advised to take precautionary measures
2. Small ruminants overfed with excessive grain feed are at the edge of procuring Enterotoxaemia, hence precautionary measures should be taken
3. The drainage system in cattle shed must be open and blockage free with access to easy cleaning to prevent fly breeding.

4. 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.
5. To prevent E.coli infection in nursery piggery shed the floor must be washed with luke warm saline / good irritant free disinfectant atleast weekly once.
6. Native poultry reared under integrated method incase infested with lice, must be given medicated bath. A sponge dipped in one ml of butox mixed in one litre of water could be rubbed all over the body on a bright sunny day. Care must be exercised to avoid eyes ear lobe and mouth.

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.

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.

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.

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:

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

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.

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 Kancheepuram District
Bulletin no. 051/2024 Issued on 25.06.2024
(26.06.2024-30.06.2024)



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 Kancheepuram.

During past four days around Kancheepuram area, the sky was mostly clear. Maximum temperature was 36.0-37.0°C and Minimum temperature was 24.0-27.0°C. Wind speed was 00-07 km per hour. Relative humidity was recorded between 52-79 %.

Past week Summary (21.06.2024-24.06.2024)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 30.06.2024				
21.06.2024	22.06.2024	23.06.2024	24.06.2024		Date	26.06.2024	27.06.2024	28.06.2024	29.06.2024
3.9	6.0	0.0	0.0	Rainfall (mm)	2	2	3	2	0
36	37	36	37	Max. Temp. (°C)	37	37	36	36	37
24	24	26	27	Mini. Temp. (°C)	27	26	26	26	26
70	76	73	79	Maximum RH %	60	60	60	60	60
52	54	72	52	Minimum RH %	40	40	50	30	30
clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
West North West	North West	South		Wind direction	West South West	West	West South West	South South West	South South West
6	7	7	0	Wind speed Kmp	18	18	22	20	18

Weather Summary for Kancheepuram district

Weather forecast for next five days: (26.06.2024-30.06.2024)

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 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 per cent and evening relative humidity is expected to be around 30-50 per cent. Wind speed is expected to be around 18-22 km per hour and the wind direction will be from South South West.

SMS Advisory:

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