



Agromet Advisory Bulletin for the Chennai District

Bulletin no. 048/2024 Issued on 14.06.2024

(15.06.2024-19.06.2024)

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 three days around Chennai area, the sky was mostly clear. Maximum temperature was 37.0-38.0°C and Minimum temperature was 25.0-28.0°C. Wind speed was 05-06 km per hour. Relative humidity was recorded between 47-70 %.

Past week Summary (11.06.2024-13.06.2024)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 19.06.2024				
11.06.2024	12.06.2024	13.06.2024	Date	15.06.2024	16.06.2024	17.06.2024	18.06.2024	19.06.2024
4.2	9.2	15.1	Rainfall (mm)	2	3	2	2	2
38	37	37	Max. Temp. (°C)	36	35	35	34	34
27	28	25	Mini. Temp. (°C)	25	24	24	24	24
63	70	67	Maximum RH %	70	70	70	70	60
47	53	63	Minimum RH %	30	50	40	40	40
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South West	South South West	South South East	Wind direction	South South West	South West	South South West	South South West	South West
5	6	6	Wind speed Kmp	18	18	20	22	20

Weather Summary for Chennai district

Weather forecast for next five days: (15.06.2024-19.06.2024)

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 34.0-36.0°C. Minimum temperature is expected to be around 24.0-25.0°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 18-22 km per hour and the wind direction will be from South West.

SMS Advisory:

(15.06.2024-19.06.2024) 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. 048/2024 Issued on 14.06.2024

(15.06.2024-19.06.2024)

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 Tiruvallur.

During past three days around Tiruvallur area, the sky was mostly clear. Maximum temperature was 37.0-38.0°C and Minimum temperature was 25.0-28.0°C. Wind speed was 05-06 km per hour. Relative humidity was recorded between 47-70 %.

Past week Summary (11.06.2024-13.06.2024)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 19.06.2024				
11.06.2024	12.06.2024	13.06.2024	Date	15.06.2024	16.06.2024	17.06.2024	18.06.2024	19.06.2024
1.7	8.7	14.5	Rainfall (mm)	2	4	2	2	2
38	37	37	Max. Temp. (°C)	36	35	35	34	34
27	28	25	Mini. Temp. (°C)	25	24	24	24	24
63	70	67	Maximum RH %	70	70	70	70	60
47	53	63	Minimum RH %	30	50	40	40	40
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South West	South South West	South South East	Wind direction	West South West	South West	South South West	South West	West South West
5	6	6	Wind speed Kmp	14	14	12	16	14

Weather Summary for Tiruvallur district

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SMS Advisory:

(15.06.2024-19.06.2024) 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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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:

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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 Thiruvannamalai District

Bulletin no. 048/2024 Issued on 14.06.2024

(15.06.2024-19.06.2024)

Issued jointly by

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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 35.0-38.0°C and Minimum temperature was 28.0°C. Wind speed was 02-07 km per hour. Relative humidity was recorded between 54-72 %.

Past week Summary (11.06.2024-13.06.2024)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 19.06.2024				
11.06.2024	12.06.2024	13.06.2024	Date	15.06.2024	16.06.2024	17.06.2024	18.06.2024	19.06.2024
0.6	0.0	0.0	Rainfall (mm)	1	1	0	8	1
38	37	35	Max. Temp. (°C)	37	36	36	36	35
28	28	28	Mini. Temp. (°C)	27	26	25	25	24
72	69	71	Maximum RH %	60	60	70	70	70
54	57	67	Minimum RH %	30	40	40	40	40
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
West South West	West	North	Wind direction	West North West	West South West	West South West	West South West	West
7	7	2	Wind speed Kmp	14	10	10	14	14

Weather Summary for TVMalai district

Weather forecast for next five days: (15.06.2024-19.06.2024)

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SMS Advisory:

(15.06.2024-19.06.2024) Light to moderate rain is likely to occur at one or two places over Tamilnadu.

Livestock Advisory:

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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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Coconut:

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Agromet Advisory Bulletin for the Vellore District

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During past three days around Vellore area, the sky was mostly clear. Maximum temperature was 35.0-38.0°C and Minimum temperature was 28.0°C. Wind speed was 02-07 km per hour. Relative humidity was recorded between 54-72 %.

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0.0	0.0	0.0	Rainfall (mm)	2	2	0	7	1
38	37	35	Max. Temp. (°C)	37	36	36	36	35
28	28	28	Mini. Temp. (°C)	27	26	25	25	24
72	69	71	Maximum RH %	60	60	70	70	70
54	57	67	Minimum RH %	30	40	40	40	40
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
West South West	West	North	Wind direction	West North West	West South West	West South West	West South West	West South West
7	7	2	Wind speed Kmp	16	10	10	16	18

Weather Summary for Vellore district

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Agricultural advisory

Rice:

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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:

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5.8	0.0	0.0	Rainfall (mm)	0	0	0	4	0
36	37	35	Max. Temp. (°C)	36	37	37	37	36
27	28	27	Mini. Temp. (°C)	26	26	26	26	25
78	79	79	Maximum RH %	50	60	70	70	60
60	61	62	Minimum RH %	30	40	30	30	30
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
	South West	South West	Wind direction	West South West	South South East	South South West	South West	West South West
0	4	2	Wind speed Kmp	14	12	12	14	10

Weather Summary for Villupuram district

Weather forecast for next five days: (15.06.2024-19.06.2024)

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Madras Veterinary College, Chennai – 7*



Agromet Advisory Bulletin for the Cuddalore District

Bulletin no. 048/2024 Issued on 14.06.2024

(15.06.2024-19.06.2024)

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 three days around Cuddalore area, the sky was mostly clear. Maximum temperature was 35.0-37.0°C and Minimum temperature was 27.0-28.0°C. Wind speed was 00-04 km per hour. Relative humidity was recorded between 60-79 %.

Past week Summary (11.06.2024-13.06.2024)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 19.06.2024				
11.06.2024	12.06.2024	13.06.2024	Date	15.06.2024	16.06.2024	17.06.2024	18.06.2024	19.06.2024
0.1	1.5	0.0	Rainfall (mm)	0	2	0	3	0
36	37	35	Max. Temp. (°C)	36	37	37	37	36
27	28	27	Mini. Temp. (°C)	26	26	26	26	25
78	79	79	Maximum RH %	50	60	70	70	60
60	61	62	Minimum RH %	30	40	30	30	30
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
	South West	South West	Wind direction	South West	South	South South West	South West	South West
0	4	2	Wind speed Kmp	12	10	14	16	18

Weather Summary for Cuddalore district

Weather forecast for next five days: (15.06.2024-19.06.2024)

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 36.0-37.0°C. Minimum temperature is expected to be around 25.0-26.0°C. Morning relative humidity is expected to be around 50-70 per cent and evening relative humidity is expected to be around 30-40 per cent. Wind speed is expected to be around 10-18 km per hour and the wind direction will be from South West.

SMS Advisory:

(15.06.2024-19.06.2024) 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 boy 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 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.

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. 048/2024 Issued on 14.06.2024
(15.06.2024-19.06.2024)
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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 36.0-39.0°C and Minimum temperature was 23.0-25.0°C. Wind speed was 06-10 km per hour. Relative humidity was recorded between 46-70 %.

Past week Summary (11.06.2024-13.06.2024)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 19.06.2024				
11.06.2024	12.06.2024	13.06.2024	Date	15.06.2024	16.06.2024	17.06.2024	18.06.2024	19.06.2024
11.4	0.4	3.7	Rainfall (mm)	2	3	1	2	3
39	37	36	Max. Temp. (°C)	36	35	35	35	35
25	25	23	Mini. Temp. (°C)	24	24	23	23	23
67	70	64	Maximum RH %	60	60	70	60	60
46	57	62	Minimum RH %	30	40	40	30	30
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South West	North	South	Wind direction	West South West	South South West	South South West	South West	West South West
7	6	10	Wind speed Kmp	16	12	14	16	16

Weather Summary for Kancheepuram district

Weather forecast for next five days: (15.06.2024-19.06.2024)

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 35.0-36.0°C. Minimum temperature is expected to be around 23.0-24.0°C. Morning relative humidity is expected to be around 60-70 per cent and evening relative humidity is expected to be around 30-40 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:

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