



Agromet Advisory Bulletin for the Chennai District

Bulletin no. 62/2023 Issued on 04.08.2023

(05.08.2023-09.08.2023)

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 37.0-38.0°C and Minimum temperature was 29.0°C. Wind speed was 03-10 km per hour. Relative humidity was recorded between 41-63 %.

Past week Summary (01.08.2023-03.08.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 09.08.2023				
01.08.2023	02.08.2023	03.08.2023	Date	05.08.2023	06.08.2023	07.08.2023	08.08.2023	09.08.2023
0.0	0.0	0.0	Rainfall (mm)	0	3	4	6	14
38	37	37	Max. Temp. (°C)	38	38	37	36	36
29	29	29	Mini. Temp. (°C)	30	30	29	29	28
63	60	56	Maximum RH %	60	70	70	60	70
47	41	63	Minimum RH %	40	30	30	30	30
Partly cloudy	Partly cloudy	Partly cloudy	Cloud cover Octa	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
West	West	North	Wind direction	West North West	South South West	South South West	West South West	South South West
10	7	3	Wind speed Kmp	14	10	12	14	12

Weather Summary for Chennai district

Weather forecast for next five days: (05.08.2023-09.08.2023)

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 36.0-38.0°C. Minimum temperature is expected to be around 28.0-30.0°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 10-14 km per hour and the wind direction will be from South South West.

SMS Advisory:

(05.08.2023-09.08.2023) Light to moderate rain is likely to occur at one or two 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. dryfodder 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. 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.
6. 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.
7. Provision of cool wholesome drinking water to poultry during summer is essential.

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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 37.0-38.0°C and Minimum temperature was 26.0-27.0°C. Wind speed was 09-13 km per hour. Relative humidity was recorded between 41-67 %.

Past week Summary (01.08.2023-03.08.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 09.08.2023				
01.08.2023	02.08.2023	03.08.2023	Date	05.08.2023	06.08.2023	07.08.2023	08.08.2023	09.08.2023
0.0	0.0	0.0	Rainfall (mm)	0	0	4	3	3
38	37	37	Max. Temp. (°C)	38	37	36	36	35
27	26	27	Mini. Temp. (°C)	26	26	25	25	24
67	63	62	Maximum RH %	60	70	70	60	70
44	44	41	Minimum RH %	30	30	30	30	30
Partly cloudy	Partly cloudy	Partly cloudy	Cloud cover Octa	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
West North West	West South West	North West	Wind direction	West North West	West	West	West	West
9	9	13	Wind speed Kmp	14	10	10	12	10

Weather Summary for TVMalai district

Weather forecast for next five days: (05.08.2023-09.08.2023)

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 35.0-38.0°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 per cent. Wind speed is expected to be around 10-14 km per hour and the wind direction will be from West.

SMS Advisory:

(05.08.2023-09.08.2023) Light to moderate rain is likely to occur at one or two 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. dryfodder 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. 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.
6. 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.
7. Provision of cool wholesome drinking water to poultry during summer is essential.

Agricultural advisory

Rice:

Spray the TNAU Rice Bloom @ 4kg / ac by dissolving in 200 litre of water after adding required quantity of sticking agent at heading stage and grain filling stage of rice. It improves grain filling rate and increases grain yield upto 1.5 percent.

Groundnut:

To increase flower retention , pod filling and to induce drought tolerance apart from yield improvement , 2 sprays of groundnut rich @ 5 kg / ha(for each spray) at 35 DAS (50 % flowering) and 45 DAS (pod development stage).

Blackgram:

To decrease flower shedding , to increase yield upto 20% and to increase drought tolerance spray TNAU pulse wonder @ 2 kg / acre at peak flowering stage in 200 litres of water.

Sugarcane:

As strong winds are expected for forthcoming days, so farmers are advised to detrash and propping in five months old sugarcane crop.

Banana:

High wind speed (>10 kmph) is expected on forthcoming days, so prop up 5 month old banana trees.

Coconut:

To control red palm weevil in coconut, apply neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown. To control rhinoceros beetle, setup Rhino lure pheromone trap @ 5 traps/ha.

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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 38.0-39.0°C and Minimum temperature was 26.0-28.0°C. Wind speed was 04-05 km per hour. Relative humidity was recorded between 47-74 %.

Past week Summary (01.08.2023-03.08.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 09.08.2023				
01.08.2023	02.08.2023	03.08.2023	Date	05.08.2023	06.08.2023	07.08.2023	08.08.2023	09.08.2023
0.0	0.0	0.0	Rainfall (mm)	0	0	2	2	2
39	38	39	Max. Temp. (°C)	39	39	38	38	37
28	26	27	Mini. Temp. (°C)	27	27	26	26	26
74	73	66	Maximum RH %	60	60	60	60	60
47	56	59	Minimum RH %	30	30	30	30	30
Partly cloudy	Partly cloudy	Partly cloudy	Cloud cover Octa	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
North West	East	South East	Wind direction	West	West South West	South West	West	West South West
5	4	4	Wind speed Kmp	14	12	10	10	10

Weather Summary for Villupuram district

Weather forecast for next five days: (05.08.2023-09.08.2023)

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 37.0-39.0°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 per cent. Wind speed is expected to be around 10-14 km per hour and the wind direction will be from West South West.

SMS Advisory:

(05.08.2023-09.08.2023) Light to moderate rain is likely to occur at one or two 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. dryfodder and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin
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5. 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.
6. 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.
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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 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 40 ml/ac or pymetrozine 120 g/ac with wetting agent. Due to prevailing weather condition leaf folder and stem borer 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:

Crown mealy bug and pokkahboeng disease of sugarcane observed in field. Symptoms are stunted growth, terminal shoot drying, yellowing of leaf and weakening of cane. To control follow integrated management practices.

Sett treatment - carbendazim 50 WP @ 2 g/lit for 30 min & imidacloprid 70 WS @ 1.5 ml/lit. for 5 min before planting, Monitor ant movement in the border rows at regular intervals, Prophylactic measure - in endemic area, field borders (3 rows) spray imidacloprid 17.8 SL @ 3 ml/10 lit (or) chlorantraniliprole 18.5 SC 4 ml /10 lit (or) clothianidin 50 WDG @ 5g/10 lit (or) spirotetramet 150 OD @ 12.5 ml/10 lit (or) Flonicamid 50% WG @ 3 g/10 lit. If infestation crosses ETL (10%), the insecticide application should be repeated at 20 days interval with rotation of above insecticides. Before spraying ensure de-trashing and it should be done at 5 months after planting. If Pokkahboeng noticed, spray carbendazim 50 WP @ 2 g/lit or propiconazole 25 EC @ 2 ml/lit + sticking agent @ 1 ml/lit 3 times at 20 days interval. Spray should be directed towards central whorl for better control Ratoon cropping should be discouraged after two ratooning in the endemic areas

Maize:

Maize growing farmers the fall army worm infection apply neem cake @ 250 kg/ha (farmer contribution) Seed treatment with cyantraniliprole 19.8% + thiamethoxam 19.8 FS @ 4.0 ml/kg seed Border cropping with gingelly or cowpea or sorghum Installation of pheromone traps @ 12 nos./ha Spraying of chlorantraniliprole 18.5 SC @ 0.4 ml/l (or) flubendiamide 20 WG (0.5 g/l) at 15-20 days of emergence (DAE) Application of ememectin benzoate 5 SG (0.4 g/l) or spinetoram 11.7 SC (0.5 ml/l) at 35-40 DAE at late whorl stage and 60 DAE

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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 36.0-38.0°C and Minimum temperature was 28.0-29.0°C. Wind speed was 09-13 km per hour. Relative humidity was recorded between 37-63%.

Past week Summary (01.08.2023-03.08.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 09.08.2023				
01.08.2023	02.08.2023	03.08.2023	Date	05.08.2023	06.08.2023	07.08.2023	08.08.2023	09.08.2023
0.2	0.0	0.0	Rainfall (mm)	0	3	6	2	6
38	36	37	Max. Temp. (°C)	38	38	37	37	36
28	29	29	Mini. Temp. (°C)	27	26	25	25	25
63	60	57	Maximum RH %	60	70	70	60	60
44	37	45	Minimum RH %	30	40	30	30	30
Partly cloudy	Partly cloudy	Partly cloudy	Cloud cover Octa	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
North West	West	West North West	Wind direction	West North West	West	West South West	West South West	West South West
13	9	9	Wind speed Kmp	12	10	10	8	8

Weather Summary for Kancheepuram district

Weather forecast for next five days: (05.08.2023-09.08.2023)

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 36.0-38.0°C. Minimum temperature is expected to be around 25.0-27.0°C. Morning relative humidity is expected to be around 60-70 per cent and evening relative humidity is expected to be around 30-40 per cent. Wind speed is expected to be around 10-12 km per hour and the wind direction will be from West South West.

SMS Advisory:

(05.08.2023-09.08.2023) Light to moderate rain is likely to occur at one or two places over Tamilnadu.

Livestock Advisory:

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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.

Groundnut:

There are possibilities of early leaf spot infestation in ground nut crop. For management farmers are advised to apply Chlorothalonil @ 400 g/acre.

Brinjal:

There are possibilities of fruit borer infestation in Brinjal crop. For management farmers are advised setup the pheromone trap @ 6/ac.

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