



Agromet Advisory Bulletin for the Chennai District

Bulletin no. 75/2023 Issued on 18.09.2023

(19.09.2023-23.09.2023)

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 35.0-36.0°C and Minimum temperature was 24.0-28.0°C. Wind speed was 05 km per hour. Relative humidity was recorded between 67-92 %.

Past week Summary (15.09.2023-17.09.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 23.09.2023				
15.09.2023	16.09.2023	17.09.2023		Date	19.09.2023	20.09.2023	21.09.2023	22.09.2023
3.9	0.4	42.0	Rainfall (mm)	3	2	5	3	5
35	36	35	Max. Temp. (°C)	35	34	34	34	33
27	28	24	Mini. Temp. (°C)	26	26	25	25	25
67	72	92	Maximum RH %	70	60	80	80	80
68	84	80	Minimum RH %	40	40	40	40	40
Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Cloud cover Octa	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky
South East	South East	South South West	Wind direction	South South West	South South West	South	South	South
5	5	5	Wind speed Kmp	18	16	18	20	21

Weather Summary for Chennai district

Weather forecast for next five days: (19.09.2023-23.09.2023)

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 33.0-35.0°C. Minimum temperature is expected to be around 25.0-26.0°C. Morning relative humidity is expected to be around 60-80 per cent and evening relative humidity is expected to be around 40 per cent. Wind speed is expected to be around 16-21 km per hour and the wind direction will be from South.

SMS Advisory:

(19.09.2023) Heavy rain is likely to occur at one or two places over Kallakurichi, Villupuram, Tiruvannamalai & Chengalpattu districts of Tamilnadu.

Livestock Advisory

1. Since moderate rain is forecasted in the fourth coming week farmers are advised to tether livestock in the inside sheds, to prevent from rain water drenching.
2. The livestock must be provided with clean wholesome drinking water all round the clock.
3. To counteract over occurrence of infection during rainy season pregnant goat (adult goat) must be provided with vitamin and mineral supplementation
4. Higher air temp and relative humidity will pre dispose the rabbit to respiratory distress; to prevent this rabbitory must be maintained damp free.
5. To prevent the ammonia accumulation there must be in the Pig house, good ventilation
6. The livestock should be given dipping ones in two month to prevent exoparasitic infestation
7. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age)

Nodal Officer (GKMS)
Professor and Head,
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Madras Veterinary College, Chennai – 7



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 36.0-37.0°C and Minimum temperature was 24.0-28.0°C. Wind speed was 06-09 km per hour. Relative humidity was recorded between 48-90 %.

Past week Summary (15.09.2023-17.09.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 23.09.2023				
15.09.2023	16.09.2023	17.09.2023		Date	19.09.2023	20.09.2023	21.09.2023	22.09.2023
0.0	0.3	28.1	Rainfall (mm)	16	4	4	8	9
37	36	37	Max. Temp. (°C)	35	34	33	34	33
26	28	24	Mini. Temp. (°C)	24	23	23	23	23
67	67	90	Maximum RH %	80	80	80	80	80
48	52	70	Minimum RH %	40	40	40	40	50
Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Cloud cover Octa	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky
South West	South West	South South East	Wind direction	West South West	South West	South West	South South West	South South West
9	6	8	Wind speed Kmp	10	8	8	8	10

Weather Summary for TVMalai district

Weather forecast for next five days: (19.09.2023-23.09.2023)

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 33.0-35.0°C. Minimum temperature is expected to be around 23.0-24.0°C. Morning relative humidity is expected to be around 80 per cent and evening relative humidity is expected to be around 40-50 per cent. Wind speed is expected to be around 08-10 km per hour and the wind direction will be from South South West.

SMS Advisory:

(19.09.2023) Heavy rain is likely to occur at one or two places over Kallakurichi, Villupuram, Tiruvannamalai & Chengalpattu districts of Tamilnadu.

Livestock Advisory:

1. Since moderate rain is forecasted in the fourth coming week farmers are advised to tether livestock in the inside sheds, to prevent from rain water drenching.
2. The livestock must be provided with clean wholesome drinking water all round the clock.
3. To counteract over occurrence of infection during rainy season pregnant goat (adult goat) must be provided with vitamin and mineral supplementation

4. Higher air temp and relative humidity will pre dispose the rabbit to respiratory distress; to prevent this rabbitory must be maintained damp free.
5. To prevent the ammonia accumulation there must be in the Pig house, good ventilation
6. The livestock should be given dipping ones in two month to prevent exoparasitic infestation
7. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age)

Agricultural advisory

Rice:

Spray the TNAU Rice reap @ 3kg / acre by dissolving in 200 litre of water after adding required quantity of wetting agent at booting stage at 10days interval. It improves spikelet fertility, grain filling rate, tolerance against drought and high temperature.

Groundnut:

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

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 @ 2 traps/acre.

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 34.0-35.0°C and Minimum temperature was 25.0-27.0°C. Wind speed was 00-03 km per hour. Relative humidity was recorded between 62-98 %.

Past week Summary (15.09.2023-17.09.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 23.09.2023				
15.09.2023	16.09.2023	17.09.2023		Date	19.09.2023	20.09.2023	21.09.2023	22.09.2023
0.0	3.5	39.1	Rainfall (mm)	15	1	5	10	15
34	35	35	Max. Temp. (°C)	34	33	33	33	32
26	27	25	Mini. Temp. (°C)	24	23	23	23	23
78	78	98	Maximum RH %	70	80	80	80	80
62	64	92	Minimum RH %	40	40	40	40	50
Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Cloud cover Octa	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky
	North		Wind direction	South South West	South South West	South South West	South South West	South South West
0	3	0	Wind speed Kmp	14	13	12	14	14

Weather Summary for Villupuram district

Weather forecast for next five days: (19.09.2023-23.09.2023)

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 32.0-34.0°C. Minimum temperature is expected to be around 23.0-24.0°C. Morning relative humidity is expected to be around 70-80 per cent and evening relative humidity is expected to be around 40-50 per cent. Wind speed is expected to be around 12-14 km per hour and the wind direction will be from South South West.

SMS Advisory:

(19.09.2023) Heavy rain is likely to occur at one or two places over Kallakurichi, Villupuram, Tiruvannamalai & Chengalpattu districts of Tamilnadu.

Livestock Advisory:

1. Since moderate rain is forecasted in the fourth coming week farmers are advised to tether livestock in the inside sheds, to prevent from rain water drenching.
2. The livestock must be provided with clean wholesome drinking water all round the clock.
3. To counteract over occurrence of infection during rainy season pregnant goat (adult goat) must be provided with vitamin and mineral supplementation

4. Higher air temp and relative humidity will pre dispose the rabbit to respiratory distress; to prevent this rabbitory must be maintained damp free.
5. To prevent the ammonia accumulation there must be in the Pig house, good ventilation
6. The livestock should be given dipping ones in two month to prevent exoparasitic infestation
7. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age)

Agricultural advisory

Rice:

Due to prevailing weather condition possible for thrips infestation in paddy crop. To manage them, spray thiamethoxam 8.0g/ for 20 cent of nursery field. In transplanted field spray Azadiractin 400 ml/acre or thiamethoxam 40 g/ac. 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.

Groundnut:

Due to prevailing weather conditions possible for thrips infestation in groundnut crop. To control spray quinalphos 25 EC 560 ml/ac. Due to prevailing weather conditions possible for leaf miner infestation in groundnut crop. To control set light trap @ 1/ha between 8 and 11 pm at ground level and spray quinalphos 25 EC 560 ml/ac.

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 emamectin 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 35.0-36.0°C and Minimum temperature was 24.0-27.0°C. Wind speed was 05-07 km per hour. Relative humidity was recorded between 61-95%.

Past week Summary (15.09.2023-17.09.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 23.09.2023				
15.09.2023	16.09.2023	17.09.2023	Date	19.09.2023	20.09.2023	21.09.2023	22.09.2023	23.09.2023
3.4	1.8	45.9	Rainfall (mm)	3	2	2	2	5
36	35	35	Max. Temp. (°C)	34	34	34	33	33
25	27	24	Mini. Temp. (°C)	25	25	24	24	24
75	76	92	Maximum RH %	70	70	80	80	80
61	95	78	Minimum RH %	30	40	40	40	40
Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Cloud cover Octa	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky
South	South East	South South East	Wind direction	South West	South West	South South West	South South West	South South West
7	5	6	Wind speed Kmp	12	10	12	14	16

Weather Summary for Kancheepuram district

Weather forecast for next five days: (19.09.2023-23.09.2023)

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 33.0-34.0°C. Minimum temperature is expected to be around 24.0-25.0°C. Morning relative humidity is expected to be around 70-80 per cent and evening relative humidity is expected to be around 30-40 per cent. Wind speed is expected to be around 10-16 km per hour and the wind direction will be from South South West.

SMS Advisory:

(19.09.2023) Heavy rain is likely to occur at one or two places over Kallakurichi, Villupuram, Tiruvannamalai & Chengalpattu districts of Tamilnadu.

Livestock Advisory:

1. Since moderate rain is forecasted in the fourth coming week farmers are advised to tether livestock in the inside sheds, to prevent from rain water drenching.
2. The livestock must be provided with clean wholesome drinking water all round the clock.
3. To counteract over occurrence of infection during rainy season pregnant goat (adult goat) must be provided with vitamin and mineral supplementation
4. Higher air temp and relative humidity will pre dispose the rabbit to respiratory distress; to prevent this rabbitory must be maintained damp free.
5. To prevent the ammonia accumulation there must be in the Pig house, good ventilation
6. The livestock should be given dipping ones in two month to prevent exoparasitic infestation
7. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age)

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:

To increase flower retention , pod filling and to induce drought tolerance apart from yield improvement , 2 sprays of groundnut rich @ 2 kg / acre(for each spray) at 35 DAS (50 % flowering) and 45 DAS (pod development stage). To provide adequate drainage facility in lowland areas.

Brinjal:

Due to day temperature sucking pest incidence may be increase. To control this, spray imidachloprid 0.3 ml/ litre. To provide adequate drainage facility in lowland areas.

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 @ 2 traps/acre. To provide adequate drainage facility in lowland areas.

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