



Agromet Advisory Bulletin for the Chennai District

Bulletin no. 001/2024 Issued on 02.01.2024

(03.01.2024-07.01.2024)

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 30.0-31.0°C and Minimum temperature was 21.0-24.0°C. Wind speed was 04-07 km per hour. Relative humidity was recorded between 62-90 %.

Past week Summary (29.12.2023-01.01.2024)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 07.01.2024				
29.12.2023	30.12.2023	31.12.2023	01.01.2024	Date	03.01.2024	04.01.2024	05.01.2024	06.01.2024	07.01.2024
0.0	0.0	0.0	0.0	Rainfall (mm)	0	2	0	2	10
31	30	31	30	Max. Temp. (°C)	30	30	29	29	29
24	23	22	21	Mini. Temp. (°C)	23	22	21	21	21
88	90	82	76	Maximum RH %	80	80	80	90	90
76	62	73	64	Minimum RH %	60	60	60	60	70
Mostly cloudy Sky	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	North East	North East	North East	Wind direction	North East	North East	East North East	North East	East North East
7	5	4	5	Wind speed Kmp	14	16	16	22	20

Weather Summary for Chennai district

Weather forecast for next five days: (03.01.2024-07.01.2024)

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 29.0-30.0°C. Minimum temperature is expected to be around 21.0-23.0°C. Morning relative humidity is expected to be around 80-90 per cent and evening relative humidity is expected to be around 60-70 per cent. Wind speed is expected to be around 14-22 km per hour and the wind direction will be from East North East.

SMS Advisory:

(03.01.2024-07.01.2024) Light to moderate rain is likely to occur at one or two places over Tamilnadu,

Livestock Advisory

1. Avoid grazing ruminants during the early morning hours
2. The ruminants must not be tethered in marshy and slushy area to avoid foot rot, they must be housed in damp free elevated places.
3. The drinking water for calves and kids must be heated to body temperature prior to drinking to prevent cold stress
4. The ammonia and methane accumulation in pig sty must be controlled with better ventilation.
5. Over feeding the dairy calves with lush green fodder may occasionally lead to bloat.
6. The mortality in piglets during winter season may be prevented using heaters at appropriate temperature.
7. This month is conducive for breeding in sheep, it may be allowed for mating this month.
8. The ruminants must not be allowed to graze in dew laden grass before sunrise
9. Rabbit may be allowed by mating now due to conducive environment rabbit will kindle more bunnies during these months due to which necessary reproductive management must be followed.

*Nodal Officer (GKMS)
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Agromet Advisory Bulletin for the Thiruvannamalai District
Bulletin no. 001/2024 Issued on 02.01.2024
(03.01.2024-07.01.2024)



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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 29.0-31.0°C and Minimum temperature was 20.0-21.0°C. Wind speed was 02-03 km per hour. Relative humidity was recorded between 62-93 %.

Past week Summary (29.12.2023-01.01.2024)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 07.01.2024				
29.12.2023	30.12.2023	31.12.2023	01.01.2024		Date	03.01.2024	04.01.2024	05.01.2024	06.01.2024
0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	3
31	29	30	29	Max. Temp. (°C)	30	31	31	32	31
21	21	20	20	Mini. Temp. (°C)	21	22	22	22	21
86	93	89	87	Maximum RH %	90	90	90	90	90
72	62	62	63	Minimum RH %	50	50	50	70	70
Mostly cloudy Sky	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
East	East North East	East North East	East	Wind direction	North East	North East	North East	North East	North East
2	2	2	3	Wind speed Kmp	10	10	12	12	10

Weather Summary for TVMalai district

Weather forecast for next five days: (03.01.2024-07.01.2024)

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 30.0-32.0°C. Minimum temperature is expected to be around 21.0-22.0°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 50-70 per cent. Wind speed is expected to be around 10-12 km per hour and the wind direction will be from North East.

SMS Advisory:

(03.01.2024-07.01.2024) Light to moderate rain is likely to occur at one or two places over Tamilnadu,

Livestock Advisory:

1. Avoid grazing ruminants during the early morning hours
2. The ruminants must not be tethered in marshy and slushy area to avoid foot rot, they must be housed in damp free elevated places.
3. The drinking water for calves and kids must be heated to body temperature prior to drinking to prevent cold stress
4. The ammonia and methane accumulation in pig sty must be controlled with better ventilation.
5. Over feeding the dairy calves with lush green fodder may occasionally lead to bloat.

6. The mortality in piglets during winter season may be prevented using heaters at appropriate temperature.
7. This month is conducive for breeding in sheep, it may be allowed for mating this month.
8. The ruminants must not be allowed to graze in dew laden grass before sunrise
9. Rabbit may be allowed by mating now due to conducive environment rabbit will kindle more bunnies during these months due to which necessary reproductive management must be followed.

Agricultural advisory

Rice:

Drain the excess water if young seedlings are completely affected by cyclonic storm and replant the same variety to maintain the crop population.

Redgram:

Foliar spray of TNAU Pulse Wonder @ 2 kg/acre in 200 litres of water at flower initiation stage decreases flower shedding, increases yield

Banana:

To control wilt in banana, apply Bacillus subtilis and Trichoderma viride @ 2.5 kg/ha. or drenching with Bacillus subtilis 5 ml/litre.

Brinjal:

Application of 1.5% foliar spray of PPFM at the flowering stage in Brinjal, will prevent the premature falling of flowers and increase the numbers and quality of fruits.

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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 28.0-29.0°C and Minimum temperature was 22.0-24.0°C. Wind speed was 02-05 km per hour. Relative humidity was recorded between 76-95 %.

Past week Summary (29.12.2023-01.01.2024)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 07.01.2024				
29.12.2023	30.12.2023	31.12.2023	01.01.2024		Date	03.01.2024	04.01.2024	05.01.2024	06.01.2024
0.1	0.0	0.0	0.0	Rainfall (mm)	0	0	2	2	6
29	29	29	28	Max. Temp. (°C)	29	29	30	29	29
24	23	22	22	Mini. Temp. (°C)	23	23	23	22	22
93	95	91	88	Maximum RH %	90	90	90	90	90
84	77	76	78	Minimum RH %	60	60	60	70	90
Mostly cloudy Sky	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 East	East North East	North East	East North East	Wind direction	North East	North East	North East	North North East	North North East
4	2	5	5	Wind speed Kmp	12	14	12	12	12

Weather Summary for Villupuram district

Weather forecast for next five days: (03.01.2024-07.01.2024)

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 29.0-30.0°C. Minimum temperature is expected to be around 22.0-23.0°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 60-90 per cent. Wind speed is expected to be around 12-14 km per hour and the wind direction will be from North North East.

SMS Advisory:

(03.01.2024-07.01.2024) Light to moderate rain is likely to occur at one or two places over Tamilnadu,

Livestock Advisory:

1. Avoid grazing ruminants during the early morning hours
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Agricultural advisory

Rice:

Due to prevailing weather conditions leaf folder and stem borer infestation 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, there are chances of tobacco caterpillar in groundnut. To control install pheromone trap 5 nos/ac. Spray flubendiamide 20 WG 120 gram/ac or Quinalphos 20 AF @ 500ml/ac.

Cashew:

To control tea mosquito bug first spraying with thiamethoxam 25% WG (100 g/ha) at flushing stage, second spraying with chlorpyrifos 2.0 ml/lit at flowering and third spraying with profenphos 1.0 ml/lit at fruit set stage.

Banana:

Prevailing weather condition is favorable for sigatoka leaf spot infection in banana. To control spray carbendazim 1.0 g/l or propiconazole 1.0 ml/l or mancozeb 2.5 g/l and sticking agent 1.0 ml/l at 10-15 day intervals.

Prevailing weather condition is favorable for panama wilt and nematode infection in banana. To control apply *Bacillus subtilis* 1.0 kg/ha + Paecilomyceslilacinus 1.0 kg/ha at 2, 4 and 6th months of planting.

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Agromet Advisory Bulletin for the Kancheepuram District
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(03.01.2024-07.01.2024)



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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 30.0-31.0°C and Minimum temperature was 20.0-23.0°C. Wind speed was 02-07 km per hour. Relative humidity was recorded between 61-85%.

Past week Summary (29.12.2023-01.01.2024)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 07.01.2024				
29.12.2023	30.12.2023	31.12.2023	01.01.2024		Date	03.01.2024	04.01.2024	05.01.2024	06.01.2024
0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	2	2	5
30	30	31	31	Max. Temp. (°C)	30	30	30	29	29
23	21	21	20	Mini. Temp. (°C)	21	21	20	20	20
85	82	83	76	Maximum RH %	90	90	90	90	90
72	67	66	61	Minimum RH %	60	60	60	70	80
Mostly cloudy Sky	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 East	North East	North East	North East	Wind direction	North East	North East	North East	North East	North East
6	7	2	5	Wind speed Kmp	12	12	12	14	12

Weather Summary for Kancheepuram district

Weather forecast for next five days: (03.01.2024-07.01.2024)

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 29.0-30.0°C. Minimum temperature is expected to be around 20.0-21.0°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 60-80 per cent. Wind speed is expected to be around 12-14 km per hour and the wind direction will be from North East.

SMS Advisory:

(03.01.2024-07.01.2024) Light to moderate rain is likely to occur at one or two places over Tamilnadu,

Livestock Advisory:

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8. The ruminants must not be allowed to graze in dew laden grass before sunrise
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Agricultural advisory

Rice:

The forecasted weather may cause stem borer and 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.

Blackgram:

Farmers are advised to treat the seeds with *Trichoderma viride* @ 4g/kg of seed (or) *Pseudomonas fluorescens* @ 10 g/kg seed before sowing.

Groundnut:

In groundnut there are possibilities of stemrot infestation. For management farmers are advised to application of *Trichoderma viride* @2.5 kg/ha, mixed with 50 kg FYM.

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