



Agromet Advisory Bulletin for the Chennai District
Bulletin no. 006/2024 Issued on 19.01.2024
(20.01.2024-24.01.2024)
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 three days around Chennai area, the sky was mostly clear. Maximum temperature was 30.0-31.0°C and Minimum temperature was 21.0-22.0°C. Wind speed was 02-04 km per hour. Relative humidity was recorded between 60-87 %.

Past week Summary (16.01.2024-18.01.2024)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 24.01.2024				
16.01.2024	17.01.2024	18.01.2024		Date	20.01.2024	21.01.2024	22.01.2024	23.01.2024
0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
31	31	30	Max. Temp. (°C)	31	31	31	31	31
21	21	22	Mini. Temp. (°C)	23	23	23	23	23
83	76	87	Maximum RH %	90	90	90	90	90
60	62	72	Minimum RH %	50	50	50	50	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
East South East	North East	North North East	Wind direction	East North East	East	East South East	East South East	East South East
2	3	4	Wind speed Kmp	12	10	12	12	12

Weather Summary for Chennai district

Weather forecast for next five days: (20.01.2024-24.01.2024)

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 31.0°C. Minimum temperature is expected to be around 23.0°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 50 per cent. Wind speed is expected to be around 10-12 km per hour and the wind direction will be from East South East.

SMS Advisory:

(22.01.2024-24.01.2024) Dry weather is very likely to prevail 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. Over feeding the dairy calves with lush green fodder may occasionally lead to bloat.
5. The mortality in piglets during winter season may be prevented using heaters at appropriate temperature.
6. This month is conducive for breeding in sheep, it may be allowed for mating this month.
7. The ruminants must not be allowed to graze in dew laden grass before sunrise
8. 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.
9. 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,
Department of Livestock Production Management
Madras Veterinary College, Chennai – 7



Agromet Advisory Bulletin for the Thiruvannamalai District

Bulletin no. 006/2024 Issued on 19.01.2024

(20.01.2024-24.01.2024)

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 TVMalai .

During past three days around TVMalai area, the sky was mostly clear. Maximum temperature was 30.0-31.0°C and Minimum temperature was 18.0-21.0°C. Wind speed was 01-02 km per hour. Relative humidity was recorded between 51-91 %.

Past week Summary (16.01.2024-18.01.2024)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 24.01.2024				
16.01.2024	17.01.2024	18.01.2024		Date	20.01.2024	21.01.2024	22.01.2024	23.01.2024
0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
31	31	30	Max. Temp. (°C)	31	31	30	31	31
19	18	21	Mini. Temp. (°C)	21	21	21	20	21
91	89	89	Maximum RH %	90	90	90	90	90
58	51	55	Minimum RH %	40	40	50	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
East	East South East	East	Wind direction	East North East	East North East	East	East South East	East South East
2	2	1	Wind speed Kmp	8	8	8	10	6

Weather Summary for TVMalai district

Weather forecast for next five days: (20.01.2024-24.01.2024)

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 30.0-31.0°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 40-50 per cent. Wind speed is expected to be around 06-10 km per hour and the wind direction will be from East South East.

SMS Advisory:

(22.01.2024-24.01.2024) Dry weather is very likely to prevail 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. Over feeding the dairy calves with lush green fodder may occasionally lead to bloat.
5. The mortality in piglets during winter season may be prevented using heaters at appropriate temperature.

6. This month is conducive for breeding in sheep, it may be allowed for mating this month.
7. The ruminants must not be allowed to graze in dew laden grass before sunrise
8. 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.
9. 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 the heavy dew falls there is a possibility to prevail the rice blast disease. To control the rice blast disease spray azoxystrobin 25 SC ml/litre.

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.

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



Agromet Advisory Bulletin for the Villupuram District

Bulletin no. 006/2024 Issued on 19.01.2024

(20.01.2024-24.01.2024)

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 Villupuram.

During past three days around Villupuram area, the sky was mostly clear. Maximum temperature was 28.0-29.0°C and Minimum temperature was 20.0-21.0°C. Wind speed was 00-02 km per hour. Relative humidity was recorded between 71-91 %.

Past week Summary (16.01.2024-18.01.2024)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 24.01.2024				
16.01.2024	17.01.2024	18.01.2024		Date	20.01.2024	21.01.2024	22.01.2024	23.01.2024
0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
29	28	28	Max. Temp. (°C)	29	30	29	30	30
21	20	21	Mini. Temp. (°C)	23	23	22	22	23
91	89	91	Maximum RH %	90	90	90	90	90
71	76	77	Minimum RH %	50	50	50	50	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	East South East		Wind direction	North East	North East	East North East	East	East
2	2	0	Wind speed Kmp	12	10	10	12	8

Weather Summary for Villupuram district

Weather forecast for next five days: (20.01.2024-24.01.2024)

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 50 per cent. Wind speed is expected to be around 08-12 km per hour and the wind direction will be from East.

SMS Advisory:

(22.01.2024-24.01.2024) Dry weather is very likely to prevail 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. Over feeding the dairy calves with lush green fodder may occasionally lead to bloat.
5. The mortality in piglets during winter season may be prevented using heaters at appropriate temperature.

6. This month is conducive for breeding in sheep, it may be allowed for mating this month.
7. The ruminants must not be allowed to graze in dew laden grass before sunrise
8. 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.
9. 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 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 pymetrozine 50% WG @ 120 g/ac with sticking agent. Due to prevailing weather condition false smut is found in paddy crop. To manage the false smut, spray copper oxychloride 50 WG 2.5 g/l or copper hydroxide 77 WG 2.0 g/l or propiconazole 1.0 ml/l at panicle stage and 50 % flowering stage.

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.

Soil 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

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.

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



Agromet Advisory Bulletin for the Kancheepuram District

Bulletin no. 006/2024 Issued on 19.01.2024

(20.01.2024-24.01.2024)

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 Kancheepuram.

During past three days around Kancheepuram area, the sky was mostly clear. Maximum temperature was 30.0-31.0°C and Minimum temperature was 19.0-20.0°C. Wind speed was 02-07 km per hour. Relative humidity was recorded between 59-88%.

Past week Summary (16.01.2024-18.01.2024)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 24.01.2024				
16.01.2024	17.01.2024	18.01.2024		Date	20.01.2024	21.01.2024	22.01.2024	23.01.2024
0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
30	31	31	Max. Temp. (°C)	31	31	31	31	31
19	19	20	Mini. Temp. (°C)	21	20	21	21	21
88	84	83	Maximum RH %	90	90	90	90	90
59	67	74	Minimum RH %	40	50	50	50	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 East	North East	East	Wind direction	North East	East North East	East South East	East South East	South East
3	7	2	Wind speed Kmp	10	10	10	8	8

Weather Summary for Kancheepuram district

Weather forecast for next five days: (20.01.2024-24.01.2024)

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 31.0°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 40-50 per cent. Wind speed is expected to be around 08-10 km per hour and the wind direction will be from South East.

SMS Advisory:

(22.01.2024-24.01.2024) Dry weather is very likely to prevail 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. Over feeding the dairy calves with lush green fodder may occasionally lead to bloat.
5. The mortality in piglets during winter season may be prevented using heaters at appropriate temperature.
6. This month is conducive for breeding in sheep, it may be allowed for mating this month.
7. The ruminants must not be allowed to graze in dew laden grass before sunrise
8. 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.
9. 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 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.

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