



Agromet Advisory Bulletin for the Chennai District
Bulletin no. 13-2023 Issued on 14.02.2023
(15.02.2023-19.02.2023)
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 31.00-33.00°C and Minimum temperature was 20.0-21.0°C. Wind speed was 02 km per hour. Relative humidity was recorded between 58-86 %.

Past week Summary			Parameters	Ensemble weather forecast valid until 08.30 hrs of 15.02.2023				
11.02.23	12.02.23	13.02.23		Date	15.02.2023	16.02.2023	17.02.2023	18.02.2023
00	0.0	0.0	Rainfall (mm)	0	0	0	0	0
32	31	33	Max. Temp. (°C)	30	31	31	32	32
21	21	20	Mini. Temp. (°C)	20	21	21	22	22
81	85	86	Maximum RH %	90	80	80	80	90
66	59	58	Minimum RH %	40	30	30	40	40
Clear sky	Clear sky	Clear sky	Cloud cover Octa	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
South east	East south east	South east	Wind direction	North East	North East	East North East	East North East	East North East
2	2	2	Wind speed Kmp	8	10	8	8	8

Weather Summary for Chennai district

Weather forecast for next five days: (15.02.2023-19.02.2023)

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 31.0-32.0°C. Minimum temperature is expected to be around 20.0-22.0°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 30-90 per cent. Wind speed is expected to be around 08-10 km per hour and the wind direction will be from North East.

SMS Advisory:

Dry weather is very likely to prevail over TamilNadu, Puducherry and Karaikal area from Day 1 (15.02.2023) to Day 5 (19.02.2023)

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 this 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. 13-2023 Issued on 14.02.2023
(15.02.2023-19.02.2023)



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 TVMAlai .

During past three days around TVMAlai area, the sky was mostly clear. Maximum temperature was 32.0-34.00°C and Minimum temperature was 17.0-18.0°C. Wind speed was 04-07 km per hour. Relative humidity was recorded between 29-79 %.

Past week Summary			Parameters	Ensemble weather forecast valid until 08.30 hrs of 15.02.2023				
11.02.23	12.02.23	13.02.23		Date	15.02.2023	16.02.2023	17.02.2023	18.02.2023
00	0.0	0.0	Rainfall (mm)	0	0	0	0	0
34	32	34	Max. Temp. (°C)	35	35	36	36	36
18	17	17	Mini. Temp. (°C)	17	17	18	18	18
79	74	66	Maximum RH %	80	80	80	80	90
43	33	29	Minimum RH %	20	20	20	30	30
Clear sky	Clear sky	Clear sky	Cloud cover Octa	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
South east	East south east	South east	Wind direction	North East	North East	East North East	East North East	East North East
7	6	4	Wind speed Kmp	8	8	10	8	6

Weather Summary for TVMAlai district

Weather forecast for next five days: (15.02.2023-19.02.2023)

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 35.0-36.0°C. Minimum temperature is expected to be around 17.0-18.0°C. Morning relative humidity is expected to be around 70-80 per cent and evening relative humidity is expected to be around 20-30 per cent. Wind speed is expected to be around 08-12 km per hour and the wind direction will be from North East.

SMS Advisory:

Dry weather is very likely to prevail over TamilNadu, Puducherry and Karaikal area from Day 1 (15.02.2023) to Day 5 (19.02.2023)

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:

Nursery stage army worm incidence found in vellore district. To control case worm apply 250ml kerosene+sand 1kg mixture.

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.

Spray 1% PPFM and incorporate the multiplied azolla insitu in the field for decomposition to release nitrogen.

Banana:

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

Coconut:

To control Rugose Spiraling Whitefly , release of Encarsia guadeloupeae @ 100 parasitoids /ac (10 leafbits/ac), spray neem oil@10ml or azadiractin 1%@5ml/litre or Installation of yellow sticky traps (5ft. X 1.5 ft.) smeared with castor oil @ 5ml ac.

Brinjal:

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

Turmeric:

To control leaf spot in turmeric , spray difenoconazole at the rate of 1 ml / litre.

Mango:

NAA 20 PPM is sprayed at flowering to increase fruit retention during February 0.5 % urea (5g / lit) or 1 % potassium nitrate (10 g/lit) maybe sprayed to induce flowering, if trees do not flower by that time.

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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 TVMalai area, the sky was mostly clear. Maximum temperature was 31.0-32.00°C and Minimum temperature was 20.0-21.0°C. Wind speed was 05-06 km per hour. Relative humidity was recorded between 50-90 %.

Past week Summary			Parameters	Ensemble weather forecast valid until 08.30 hrs of 15.02.2023				
11.02.23	12.02.23	13.02.23		Date	15.02.2023	16.02.2023	17.02.2023	18.02.2023
00	0.0	0.0	Rainfall (mm)	0	0	0	0	0
32	31	32	Max. Temp. (°C)	31	31	32	32	33
21	20	20	Mini. Temp. (°C)	20	20	21	21	22
90	79	86	Maximum RH %	80	80	80	80	90
50	66	72	Minimum RH %	30	30	40	40	40
Clear sky	Clear sky	Clear sky	Cloud cover Octa	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
South east	East south east	South east	Wind direction	North East	North East	East North East	East North East	East North East
5	5	6	Wind speed Kmp	8	8	10	8	8

Weather Summary for Villupuram district

Weather forecast for next five days: (15.02.2023-19.02.2023)

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 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 80-90 per cent and evening relative humidity is expected to be around 30-40 per cent. Wind speed is expected to be around 08-10 km per hour and the wind direction will be from North East.

SMS Advisory:

Dry weather is very likely to prevail over TamilNadu, Puducherry and Karaikal area from Day 1 (15.02.2023) to Day 5 (19.02.2023)

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:**

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.

Blackgram:

Due to prevailing weather conditions favorable for leaf spot infection in blackgram. Symptoms spots produced are small, numerous with pale brown centre and reddish brown margin in leaves. Spots also occur on branches and pods. To control spray carbendazim 200 gram/acre or wettable sulphur 600 g/acre at initiation stage and 10 days after first spraying.

Groundnut:

Due to prevailing weather conditions favorable for rust infection in groundnut. Symptoms pustules first appear lower surface of the leaf. Then orange colour pustules spread to upper surface of the leaf. To control spray mancozeb 400 gram/acre or wettable sulphur 1000 g/acre. If necessary repeat the spray 15 days later.

Turmeric:

Prevailing weather condition is favorable for leaf blotch infection in turmeric crop. To control spray carbendazim 1.0 g/l or propiconazole 1.0 ml/l or mancozeb 2.5 g/l and along with sticking agent at 10-15 days interval..

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.

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Agromet Advisory Bulletin for the Kancheepuram District
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(15.02.2023-19.02.2023)
Issued jointly by
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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 32.0-34.00°C and Minimum temperature was 19.0-21.0°C. Wind speed was 05-06 km per hour. Relative humidity was recorded between 44-81 %.

Past week Summary			Parameters	Ensemble weather forecast valid until 08.30 hrs of 15.02.2023				
11.02.23	12.02.23	13.02.23		Date	15.02.2023	16.02.2023	17.02.2023	18.02.2023
00	0.0	0.0	Rainfall (mm)	0	0	0	0	0
34	32	34	Max. Temp. (°C)	31	31	32	32	33
21	20	19	Mini. Temp. (°C)	20	20	21	21	22
80	81	70	Maximum RH %	80	80	80	80	90
54	44	44	Minimum RH %	30	30	40	40	40
Clear sky	Clear sky	Clear sky	Cloud cover Octa	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
South east	East south east	South east	Wind direction	North East	North East	East North East	East North East	East North East
4	5	4	Wind speed Kmp	8	8	10	8	8

Weather Summary for Kancheepuram district

Weather forecast for next five days: (15.02.2023-19.02.2023)

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 31.0-33.0°C. Minimum temperature is expected to be around 21.0-22.0°C. Morning relative humidity is expected to be around 80 per cent and evening relative humidity is expected to be around 30-40 per cent. Wind speed is expected to be around 08-10 km per hour and the wind direction will be from North East.

SMS Advisory:

Dry weather is very likely to prevail over Tamilnadu, Puducherry and Karaikal area from Day 1 (15.02.2023) to Day 5 (19.02.2023)

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
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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:

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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