



Agromet Advisory Bulletin for the Chennai District

Bulletin no. 14/2023 Issued on 17.02.2023

(18.02.2023-22.02.2023)

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 31.0-32.0°C and Minimum temperature was 20.0-22.0°C. Wind speed was 02-03 km per hour. Relative humidity was recorded between 56-87 %.

Past week Summary (14.02.2023-16.02.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 22.02.2023				
14.02.2023	15.02.2023	16.02.2023		Date	18.02.2023	19.02.2023	20.02.2023	21.02.2023
0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
32	31	32	Max. Temp. (°C)	30	30	31	31	32
20	21	22	Mini. Temp. (°C)	21	21	22	22	23
80	83	87	Maximum RH %	80	90	90	80	80
56	69	63	Minimum RH %	40	40	40	40	30
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
North East	East South East	South East	Wind direction	North East	East North East	North East	North East	North North East
2	3	2	Wind speed Kmp	4	4	4	8	10

Weather Summary for Chennai district

Weather forecast for next five days: (18.02.2023-22.02.2023)

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 30.0-32.0°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 30-40 per cent. Wind speed is expected to be around 04-10 km per hour and the wind direction will be from North North East.

SMS Advisory:

(18.02.2023-22.02.2023) Dry weather is very likely to prevail over TamilNadu,

Livestock Advisory

1. The ewes does which are ready for mating must be supplemented with leguminous fodder and energy rich fodder along with minerals mixture and vitamins before mating where is called flushing.
2. The water provided for poultry must be whole some and clean, moreover it must also be checked whether the water is up to the standard for drinking water.
3. The dairy cattle must be supplemented with mineral mixture to enhance milk production.
4. Grazing animals with for jowl edema condition and pale eye mucosa must be immediately dewormed.
5. The mortality in piglets during this 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. 14/2023 Issued on 17.02.2023

(18.02.2023-22.02.2023)

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 34.0-35.0°C and Minimum temperature was 17.0-19.0°C. Wind speed was 06-07 km per hour. Relative humidity was recorded between 40-82 %.

Past week Summary (14.02.2023-16.02.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 22.02.2023				
14.02.2023	15.02.2023	16.02.2023		Date	18.02.2023	19.02.2023	20.02.2023	21.02.2023
0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
35	34	34	Max. Temp. (°C)	33	33	34	34	35
17	19	19	Mini. Temp. (°C)	18	19	19	20	20
68	82	82	Maximum RH %	90	90	90	80	80
40	52	59	Minimum RH %	30	30	30	20	20
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South East	East	South South East	Wind direction	East North East	East	North North East	North East	North East
7	6	7	Wind speed Kmp	4	4	4	8	6

Weather Summary for TVMAlai district

Weather forecast for next five days: (18.02.2023-22.02.2023)

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 33.0-35.0°C. Minimum temperature is expected to be around 18.0-20.0°C. Morning relative humidity is expected to be around 80-90 per cent and evening relative humidity is expected to be around 20-30 per cent. Wind speed is expected to be around 04-08 km per hour and the wind direction will be from North East.

SMS Advisory:

(18.02.2023-22.02.2023) Dry weather is very likely to prevail over TamilNadu,

Livestock Advisory:

1. The ewes does which are ready for mating must be supplemented with leguminous fodder and energy rich fodder along with minerals mixture and vitamins before mating where is called flushing.
2. The water provided for poultry must be whole some and clean, moreover it must also be checked whether the water is up to the standard for drinking water.
3. The dairy cattle must be supplemented with mineral mixture to enhance milk production.

4. Grazing animals with for jowl edema condition and pale eye mucosa must be immediately dewormed.
5. The mortality in piglets during this 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:

To control brown leaf spot and blast disease in nursery plot, spray SAAF (Carbendazim 12% + mancozeb 63%) @ 2g per litre of water. To control leaf folder, spray chlorantraniliprole 18.5% SC @ 6mg per 10 litre of water. Spray 1% PPFM and incorporate the multiplied azolla insitu in the field for decomposition to release nitrogen.

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). Spraying 0.5% Potassium chloride during flowering and pod development stages will aid to mitigate the ill effects of water stress. Sprinkler irrigation will save water to the tune of about 30%.Borderstrip irrigation is recommended in command areas in light textured soils. Composted coir pith increases moisture availability and better drainage in heavy textured soil.

Apply gypsum 400 kg / Ha at 45 days after sowing.

Banana:

To control wilt in banana, apply Bacillus subtilis and Trichoderma viride @ 2.5 kg/ha. or drenching with Bacillus subtilis 5 ml/litre. To overcome micro nutrient deficiency and to improve quality of banana fruit micronutrient plays a major role. Micro nutrient can be sprayed at 3,5 and 7 months after planting of banana.

Coconut:

To control Rugose Spiraling Whitefly in coconut, release of Encarsia guadeloupae @ 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. To control rhinoceros beetle, setup Rhino lure pheromone trap @ 5 traps/ha. Apply coconut husks with convex surface facing upwards (100 Nos.) or dried coconut leaves (15 Nos) or coir pith up to a height of 10 cm in the basin of 1.8 m radius around the palms as mulch for soil moisture conservation particularly during summer season. Husk burial can be done in coconut basins or in the interspaces to overcome drought and button shedding. Bury husks @ 100 Nos. with concave surface facing upwards or 25 kg of coir pith /palm in circular trenches, dug 30 cm width and 60 cm depth at 1.5 meters radius.

Chilli:

Prevailing weather condition is favorable for thrips incidence in chilli. The symptom of damage is infected leaves develop crinckles and curl upwards. Hence farmers are requested to monitor the field and spray fipronil 1.5ml/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.

Nodal Officer (GKMS)
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Agromet Advisory Bulletin for the Villupuram District
Bulletin no. 14/2023 Issued on 17.02.2023
(18.02.2023-22.02.2023)
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 Villupuram .

During past three days around TVMalai area, the sky was mostly clear. Maximum temperature was 31.0-32.0°C and Minimum temperature was 20.0-21.0°C. Wind speed was 04-05 km per hour. Relative humidity was recorded between 66-88 %.

Past week Summary (14.02.2023-16.02.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 22.02.2023				
14.02.2023	15.02.2023	16.02.2023	Date	18.02.2023	19.02.2023	20.02.2023	21.02.2023	22.02.2023
0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
31	32	31	Max. Temp. (°C)	30	31	31	32	33
20	21	21	Mini. Temp. (°C)	21	22	22	23	23
88	86	88	Maximum RH %	80	90	90	80	80
70	69	66	Minimum RH %	40	40	40	30	30
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South East	East North East	East North East	Wind direction	North East	East	North North East	North East	North East
4	5	4	Wind speed Kmp	4	4	4	10	8

Weather Summary for Villupuram district

Weather forecast for next five days: (18.02.2023-22.02.2023)

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 30.0-33.0°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 30-40 per cent. Wind speed is expected to be around 04-10 km per hour and the wind direction will be from North East.

SMS Advisory:

(18.02.2023-22.02.2023) Dry weather is very likely to prevail over TamilNadu,

Livestock Advisory:

1. The ewes does which are ready for mating must be supplemented with leguminous fodder and energy rich fodder along with minerals mixture and vitamins before mating where is called flushing.
2. The water provided for poultry must be whole some and clean, moreover it must also be checked whether the water is up to the standard for drinking water.
3. The dairy cattle must be supplemented with mineral mixture to enhance milk production.
4. Grazing animals with for jowl edema condition and pale eye mucosa must be immediately dewormed.
5. The mortality in piglets during this 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 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 condition there are chances of groundnut tikka leaf spot and rust infection. To control spray chlorothalonil 2.0 g/l or mancozeb 2.5 g/l.

Blackgram:

Due to prevailing weather condition changes of blackgram powdery mildew infection. Symptoms are white powdery patches appear on leaves and other green parts which later become dull coloured. These patches gradually increase in size and become circular covering the lower surface also. When the infection is severe, both the surfaces of the leaves are completely covered by whitish powdery growth. Severely affected parts get shriveled and distorted. In severe infections, foliage becomes yellow causing premature defoliation. To control spray carbendazim @ 200 g/ac or wettable sulphur 600 g/ac at initiation of the disease and 10 days later.

Sugarcane:

Mealy bug and pokkahboeng infection identified in sugarcane crop. Mealy bug affect growth of plants and pokkahboeng cause death of young spindles of sugarcane crop. To control spray imidacloprid 17.8 SL 0.6 ml/l or carbendazim 1.0 g/l.

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 profenophos 1.0 ml/lit at fruit set stage.

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Agromet Advisory Bulletin for the Kancheepuram District
Bulletin no. 14/2023 Issued on 17.02.2023
(18.02.2023-22.02.2023)



Issued jointly by
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& 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 32.0-33.0°C and Minimum temperature was 20.0-21.0°C. Wind speed was 03-06 km per hour. Relative humidity was recorded between 52-80 %.

Past week Summary (14.02.2023-16.02.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 22.02.2023				
14.02.2023	15.02.2023	16.02.2023	Date	18.02.2023	19.02.2023	20.02.2023	21.02.2023	22.02.2023
0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
33	32	33	Max. Temp. (°C)	31	31	32	32	33
20	21	21	Mini. Temp. (°C)	21	22	22	23	23
75	80	80	Maximum RH %	80	90	80	80	80
55	57	52	Minimum RH %	50	50	50	40	40
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
North East	East	South East	Wind direction	North East	East North East	North North East	North East	North North East
3	6	3	Wind speed Kmp	4	4	4	8	8

Weather Summary for Kancheepuram district

Weather forecast for next five days: (18.02.2023-22.02.2023)

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 21.0-23.0°C. Morning relative humidity is expected to be around 80-90 per cent and evening relative humidity is expected to be around 40-50 per cent. Wind speed is expected to be around 04-08 km per hour and the wind direction will be from North North East.

SMS Advisory:

(18.02.2023-22.02.2023) Dry weather is very likely to prevail over TamilNadu,

Livestock Advisory:

1. The ewes does which are ready for mating must be supplemented with leguminous fodder and energy rich fodder along with minerals mixture and vitamins before mating where is called flushing.
2. The water provided for poultry must be whole some and clean, moreover it must also be checked whether the water is up to the standard for drinking water.
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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 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:

There are possibilities of leaf feeding Tobacco Caterpillar infestation in Black gram. For management farmers are advised to spray dichlorovos 76 WSC @ 1 lit/ha.

Groundnut:

There are possibilities of leaf feeding Tobacco Caterpillar infestation in ground nut crop. For management farmers are advised to spray dichlorovos 76 WSC @ 750 m.l./ha.

Coconut:

In coconut there are possibilities of Rugose Spiraling whitefly infestation. For management farmers are advised to take up spray of Neem oil @ 3% .

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