



Agromet Advisory Bulletin for the Chennai District

Bulletin no. 20/2023 Issued on 10.03.2023

(11.03.2023-15.03.2023)

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 32.0-33.0°C and Minimum temperature was 23.0-24.0°C. Wind speed was 02-06 km per hour. Relative humidity was recorded between 60-82 %.

Past week Summary (07.03.2023-09.03.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 15.03.2023				
07.03.2023	08.03.2023	09.03.2023	Date	11.03.2023	12.03.2023	13.03.2023	14.03.2023	15.03.2023
0.0	0.0	0.3	Rainfall (mm)	0	0	0	0	0
32	32	33	Max. Temp. (°C)	32	32	33	33	34
23	24	23	Mini. Temp. (°C)	24	24	24	25	25
82	70	81	Maximum RH %	90	90	90	90	90
60	63	67	Minimum RH %	40	40	40	40	40
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
North East	North East	North East	Wind direction	West	West	West North west	North North West	North North West
2	5	6	Wind speed Kmp	4	8	6	6	6

Weather Summary for Chennai district

Weather forecast for next five days: (11.03.2023-15.03.2023)

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 32.0-34.0°C. Minimum temperature is expected to be around 24.0-25.0°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 40 per cent. Wind speed is expected to be around 04-08 km per hour and the wind direction will be from North North West.

SMS Advisory:

Regular vaccination is done for poultry on all Saturday in veterinary dispensaries hence farmers are advised accordingly.

Livestock Advisory

1. Livestock must be give medicated bath to avoid ectoparasite infestation. Moreover dipping must be done on a sunny day.
2. Scabies affected rabbits must be isolated and treated. The cage must be disinfected with flame gun.
3. The surplus fodder available must be preserved as silage for summer feeding.
4. Newly born piglets must be protected from cold drafts
5. The livestock must be provided in clean wholesome drinking water
6. To prevent the methane and ammonia accumulation in pig sty provision of proper ventilation is necessary.
7. To prevent water stagnation proper drainage must be provided in livestock shelter.
8. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).
9. Add 5% shell grit in laying hens for optimum egg production.
10. Plantation of trees around the livestock shed not only enhances ventilation but also prevent heat stress particularly dairy cattle.

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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 34.0-35.0°C and Minimum temperature was 18.0-21.0°C. Wind speed was 04-05 km per hour. Relative humidity was recorded between 32-78 %.

Past week Summary (07.03.2023-09.03.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 15.03.2023				
07.03.2023	08.03.2023	09.03.2023	Date	11.03.2023	12.03.2023	13.03.2023	14.03.2023	15.03.2023
0.0	0.0	0.3	Rainfall (mm)	0	0	0	0	0
35	34	34	Max. Temp. (°C)	33	33	34	34	35
18	21	20	Mini. Temp. (°C)	21	21	22	22	22
72	78	74	Maximum RH %	90	90	90	90	90
46	32	42	Minimum RH %	30	30	30	30	30
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
East	East North East	East	Wind direction	South West	West	North West	North North West	North
4	5	5	Wind speed Kmp	6	4	4	6	6

Weather Summary for TVMAlai district

Weather forecast for next five days: (11.03.2023-15.03.2023)

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 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 30 per cent. Wind speed is expected to be around 04-06 km per hour and the wind direction will be from North.

SMS Advisory:

Regular vaccination is done for poultry on all Saturday in veterinary dispensaries hence farmers are advised accordingly.

Livestock Advisory:

1. Livestock must be give medicated bath to avoid ectoparasite infestation. Moreover dipping must be done on a sunny day.
2. Scabies affected rabbits must be isolated and treated. The cage must be disinfected with flame gun.
3. The surplus fodder available must be preserved as silage for summer feeding.
4. Newly born piglets must be protected from cold drafts

5. The livestock must be provided in clean wholesome drinking water
6. To prevent the methane and ammonia accumulation in pig sty provision of proper ventilation is necessary.
7. To prevent water stagnation proper drainage must be provided in livestock shelter.
8. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).
9. Add 5% shell grit in laying hens for optimum egg production.
10. Plantation of trees around the livestock shed not only enhances ventilation but also prevent heat stress particularly dairy cattle.

Agricultural advisory

Rice:

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.

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:

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.

Sugarcane:

Trash mulching - removal of dry trash at 5th month and leave it as mulch, in the field to conserve soil moisture.

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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 32.0°C and Minimum temperature was 22.0-23.0°C. Wind speed was 05-06 km per hour. Relative humidity was recorded between 70-85 %.

Past week Summary (07.03.2023-09.03.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 15.03.2023				
07.03.2023	08.03.2023	09.03.2023		Date	11.03.2023	12.03.2023	13.03.2023	14.03.2023
0.0	0.0	0.3	Rainfall (mm)	0	0	0	0	0
32	32	32	Max. Temp. (°C)	32	33	34	34	35
22	23	23	Mini. Temp. (°C)	23	24	24	25	25
85	83	85	Maximum RH %	90	90	90	90	90
80	71	70	Minimum RH %	40	40	40	40	40
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
North East	East North East	East North East	Wind direction	West South West	West	West North West	North North West	North North West
6	5	5	Wind speed Kmp	4	6	4	6	6

Weather Summary for Villupuram district

Weather forecast for next five days: (11.03.2023-15.03.2023)

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 32.0-35.0°C. Minimum temperature is expected to be around 23.0-25.0°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 40 per cent. Wind speed is expected to be around 04-06 km per hour and the wind direction will be from North North West.

SMS Advisory:

Regular vaccination is done for poultry on all Saturday in veterinary dispensaries hence farmers are advised accordingly.

Livestock Advisory:

1. Livestock must be give medicated bath to avoid ectoparasite infestation. Moreover dipping must be done on a sunny day.
2. Scabies affected rabbits must be isolated and treated. The cage must be disinfected with flame gun.
3. The surplus fodder available must be preserved as silage for summer feeding.
4. Newly born piglets must be protected from cold drafts
5. The livestock must be provided in clean wholesome drinking water

6. To prevent the methane and ammonia accumulation in pig sty provision of proper ventilation is necessary.
7. To prevent water stagnation proper drainage must be provided in livestock shelter.
8. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).
9. Add 5% shell grit in laying hens for optimum egg production.
10. Plantation of trees around the livestock shed not only enhances ventilation but also prevent heat stress particularly dairy cattle.

Agricultural advisory

Rice:

Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 25% WG 100 g/ha or dimethoate 1.5ml/l. 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 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.

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.

Coconut:

Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. Encourage buildup of parasitoids (*Encarsia* sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. In severe case, spray neem oil 10 ml/lit of water or spray azadirachtin 2.0 ml/lit of water with 1.0 ml of sticking agent.

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Agromet Advisory Bulletin for the Kancheepuram District
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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 33.0-34.0°C and Minimum temperature was 21.0°C. Wind speed was 00-07 km per hour. Relative humidity was recorded between 56-79 %.

Past week Summary (07.03.2023-09.03.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 15.03.2023				
07.03.2023	08.03.2023	09.03.2023		Date	11.03.2023	12.03.2023	13.03.2023	14.03.2023
0.0	0.0	0.3	Rainfall (mm)	0	0	0	0	0
33	33	34	Max. Temp. (°C)	33	33	34	34	34
21	21	21	Mini. Temp. (°C)	23	23	24	24	24
79	72	78	Maximum RH %	90	90	90	90	90
56	57	62	Minimum RH %	50	50	50	50	50
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
North East	North East		Wind direction	West	West	West North West	North North West	North North West
7	3	0	Wind speed Kmp	4	6	6	6	6

Weather Summary for Kancheepuram district

Weather forecast for next five days: (11.03.2023-15.03.2023)

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 23.0-24.0°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 04-06 km per hour and the wind direction will be from North North West.

SMS Advisory:

Regular vaccination is done for poultry on all Saturday in veterinary dispensaries hence farmers are advised accordingly.

Livestock Advisory:

1. Livestock must be give medicated bath to avoid ectoparasite infestation. Moreover dipping must be done on a sunny day.
2. Scabies affected rabbits must be isolated and treated. The cage must be disinfected with flame gun.
3. The surplus fodder available must be preserved as silage for summer feeding.
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7. To prevent water stagnation proper drainage must be provided in livestock shelter.
8. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).
9. Add 5% shell grit in laying hens for optimum egg production.
10. Plantation of trees around the livestock shed not only enhances ventilation but also prevent heat stress particularly dairy cattle.

Agricultural advisory

Groundnut:

There are possibilities of early leaf spot infestation in groundnut. For management farmers are advised to spray Carbendazim 500 g/ha.

Blackgram:

There is possibilities leaf feeding insect infestation in pulses crops. For management farmers are advised to spray dimethoate @ 0.03%.

Chilli:

Farmers those who planting the chilli seedling are advised to apply 100kg/ac of neem cake before last ploughing.

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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