



Agromet Advisory Bulletin for the Chennai District

Bulletin no. 80/2023 Issued on 06.10.2023

(07.10.2023-11.10.2023)

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 35.0-37.0°C and Minimum temperature was 25.0-28.0°C. Wind speed was 02-08 km per hour. Relative humidity was recorded between 63-87 %.

Past week Summary (03.10.2023-05.10.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 11.10.2023				
03.10.2023	04.10.2023	05.10.2023		Date	07.10.2023	08.10.2023	09.10.2023	10.10.2023
0.0	0.5	9.8	Rainfall (mm)	15	15	12	10	10
35	36	37	Max. Temp. (°C)	36	36	36	35	35
28	28	25	Mini. Temp. (°C)	26	26	26	25	25
69	77	87	Maximum RH %	85	85	85	80	80
63	72	74	Minimum RH %	75	75	75	70	70
Partly cloudy	Partly cloudy	Partly cloudy	Cloud cover Octa	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
South East	South East	South East	Wind direction	South East	South East	South East	South	South
8	8	2	Wind speed Kmp	6	6	6	4	4

Weather Summary for Chennai district

Weather forecast for next five days: (07.10.2023-11.10.2023)

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 35.0-36.0°C. Minimum temperature is expected to be around 25.0-26.0°C. Morning relative humidity is expected to be around 80-85 per cent and evening relative humidity is expected to be around 70-75 per cent. Wind speed is expected to be around 04-06 km per hour and the wind direction will be from South.

SMS Advisory:

(09.10.2023-10.10.2023) Heavy rain is likely to occur at isolated places over Krishnagiri and Tirupattur districts of Tamilnadu.

Livestock Advisory

1. The floors in the livestock shelter must be cleaned and maintained damp free to prevent water logging, Moreover the floors must be sprinkled with bleaching powder to maintain biosecurity in farm.
2. The floor of nursery piglet shed must be cleaned with luke warm saline or with any other commercial disinfectant to prevent E.coli infection, which in adverse cases of infection leads to diarrhoea and mortality.
3. The sheep and goat must be vaccinated against Enterotoxaemia infection.
4. To prevent mosquitoes menace the livestock shed may be fumigated with Vitex Negundo dried leaves once in a week
5. The newly kidded doe must be vaccinated with TT (Tetanus Toxide)
6. Sporadic incidence of Blue Tongue infection may occur in small ruminants. Hence stringent measures must be taken to control fly vector, (Culicoides).
7. Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating.
8. The stagnated water around the poultry farms must be cleared immediately, to avoid the development of intermediate host of poultry cestode which tends to develop in stagnated water

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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 35.0°C and Minimum temperature was 25.0°C. Wind speed was 04-06 km per hour. Relative humidity was recorded between 53-89 %.

Past week Summary (03.10.2023-05.10.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 11.10.2023				
03.10.2023	04.10.2023	05.10.2023		Date	07.10.2023	08.10.2023	09.10.2023	10.10.2023
0.0	0.0	11.1	Rainfall (mm)	5	10	25	35	30
35	35	35	Max. Temp. (°C)	34	34	34	33	33
25	25	25	Mini. Temp. (°C)	26	26	26	25	25
73	76	86	Maximum RH %	86	86	86	84	84
53	89	69	Minimum RH %	76	76	76	74	74
Partly cloudy	Partly cloudy	Partly cloudy	Cloud cover Octa	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
South South East	North North East	South South West	Wind direction	South East	South East	South East	East South East	East South East
5	4	6	Wind speed Kmp	4	4	4	3	3

Weather Summary for TVMalai district

Weather forecast for next five days: (07.10.2023-11.10.2023)

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 33.0-34.0°C. Minimum temperature is expected to be around 25.0-26.0°C. Morning relative humidity is expected to be around 84-86 per cent and evening relative humidity is expected to be around 74-76 per cent. Wind speed is expected to be around 03-04 km per hour and the wind direction will be from East South East.

SMS Advisory:

(09.10.2023-10.10.2023) Heavy rain is likely to occur at isolated places over Krishnagiri and Tirupattur districts of Tamilnadu.

Livestock Advisory:

1. The floors in the livestock shelter must be cleaned and maintained damp free to prevent water logging, Moreover the floors must be sprinkled with bleaching powder to maintain biosecurity in farm.
2. The floor of nursery piglet shed must be cleaned with luke warm saline or with any other commercial disinfectant to prevent E.coli infection, which in adverse cases of infection leads to diarrhoea and mortality.

3. The sheep and goat must be vaccinated against Enterotoxaemia infection.
 4. To prevent mosquitoes menace the livestock shed may be fumigated with Vitex Negundo dried leaves once in a week
 5. The newly kidded doe must be vaccinated with TT (Tetanus Toxide)
 6. Sporadic incidence of Blue Tongue infection may occur in small ruminants. Hence stringent measures must be taken to control fly vector, (Culicoides).
 7. Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating.
 8. The stagnated water around the poultry farms must be cleared immediately, to avoid the development of intermediate host of poultry cestode which tends to develop in stagnated water
- Agricultural advisory**

Rice:

Harvest the matured paddy crops and store in safe places.

Provide drainage facility to the nursery field and avoid fertilizer application, any kind of spray

Groundnut:

Harvest the matured groundnut crops and store in safe places.

Coconut:

To control rhinoceros beetle in rainy season , setup Rhino lure pheromone trap @ 2 traps/acre.

Banana:

Propping and cleaning of dried and bending leaves to ensure the proper aeration and staking for 5 month old banana trees.

Papaya:

Cleaning of papaya field and provide drainage facility.

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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 36.0°C and Minimum temperature was 26.0-27.0°C. Wind speed was 04-05 km per hour. Relative humidity was recorded between 77-83 %.

Past week Summary (03.10.2023-05.10.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 11.10.2023				
03.10.2023	04.10.2023	05.10.2023		Date	07.10.2023	08.10.2023	09.10.2023	10.10.2023
0.0	0.0	0.8	Rainfall (mm)	10	10	15	30	10
36	36	36	Max. Temp. (°C)	34	34	34	33	33
27	26	27	Mini. Temp. (°C)	24	24	24	23	23
79	82	83	Maximum RH %	96	96	96	94	94
77	80	81	Minimum RH %	80	80	80	78	78
Partly cloudy	Partly cloudy	Partly cloudy	Cloud cover Octa	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
South South East	South South East	South East	Wind direction	South South East	South South East	South South East	South	South
5	5	4	Wind speed Kmp	4	4	4	2	2

Weather Summary for Villupuram district

Weather forecast for next five days: (07.10.2023-11.10.2023)

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 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 94-96 per cent and evening relative humidity is expected to be around 78-80 per cent. Wind speed is expected to be around 02-04 km per hour and the wind direction will be from South.

SMS Advisory:

(09.10.2023-10.10.2023) Heavy rain is likely to occur at isolated places over Krishnagiri and Tirupattur districts of Tamilnadu.

Livestock Advisory:

1. The floors in the livestock shelter must be cleaned and maintained damp free to prevent water logging, Moreover the floors must be sprinkled with bleaching powder to maintain biosecurity in farm.
2. The floor of nursery piglet shed must be cleaned with luke warm saline or with any other commercial disinfectant to prevent E.coli infection, which in adverse cases of infection leads to diarrhoea and mortality.
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7. Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating.
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Agricultural advisory

Rice:

Apply 100 kg of neem cake before transplanting to avoid insect and nematode attack favourable under this prevailing weather condition. Alage in paddy field reduces the growth of crops. To control apply, 2.0 kg of copper sulphate mix with sand. Due to prevailing weather condition possible for thrips infestation in paddy crop. To manage them, spray thiamethoxam 8.0g/ for 20 cent of nursery field. In transplanted field spray Azadiractin 400 ml/acre or thiamethoxam 40 g/ac.

Maize:

Maize growing farmers the fall army worm infection apply neem cake @ 250 kg/ha (farmer contribution)

Seed treatment with cyantraniliprole 19.8% + thiamethoxam 19.8 FS @ 4.0 ml/kg seed

Border cropping with gingelly or cowpea or sorghum

Installation of pheromone traps @ 12 nos./ha

Spraying of chlorantraniliprole 18.5 SC @ 0.4 ml/l (or) flubendiamide 20 WG (0.5 g/l) at 15-20 days of emergence (DAE)

Application of ememectin benzoate 5 SG (0.4 g/l) or spinetoram 11.7 SC (0.5 ml/l) at 35-40 DAE at late whorl stage and 60 DAE.

Coconut:

Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. Encourage build up of parasitoids (Encarsia sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. In sever 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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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 35.0-36.0°C and Minimum temperature was 25.0-27.0°C. Wind speed was 05-08 km per hour. Relative humidity was recorded between 67-87%.

Past week Summary (03.10.2023-05.10.2023)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 11.10.2023				
03.10.2023	04.10.2023	05.10.2023		Date	07.10.2023	08.10.2023	09.10.2023	10.10.2023
0.0	0.7	0.8	Rainfall (mm)	20	20	15	15	10
35	36	36	Max. Temp. (°C)	36	36	36	35	35
27	26	25	Mini. Temp. (°C)	25	25	25	24	24
74	80	87	Maximum RH %	90	90	90	84	84
67	76	75	Minimum RH %	80	80	80	78	78
Partly cloudy	Partly cloudy	Partly cloudy	Cloud cover Octa	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Partly cloudy
South	South East	South East	Wind direction	South East	South East	South East	South	South
5	8	6	Wind speed Kmp	6	6	6	4	4

Weather Summary for Kancheepuram district

Weather forecast for next five days: (07.10.2023-11.10.2023)

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 35.0-36.0°C. Minimum temperature is expected to be around 24.0-25.0°C. Morning relative humidity is expected to be around 84-90 per cent and evening relative humidity is expected to be around 78-80 per cent. Wind speed is expected to be around 04-06 km per hour and the wind direction will be from South.

SMS Advisory:

(09.10.2023-10.10.2023) Heavy rain is likely to occur at isolated places over Krishnagiri and Tirupattur districts of Tamilnadu.

Livestock Advisory:

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Agricultural advisory

Rice:

The forecasted weather may cause Thirps infestation in nursery field. For management farmers may spray Phosphamidon 40 SL 50 ml.

The forecasted weather is conducive for Sheath Blight infestation in paddy. For management farmers may spray Neem oil @ 3% at start stage of the disease.

Brinjal:

There are possibilities of sucking pest Mite infestation in Brinjal. Farmers may take necessary plant protection measures with the advice of Horticulture officer.

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