



Agromet Advisory Bulletin for the Chennai District
Bulletin no.55/2022 Issued on 12.07.2022
(From 13.07.2022-17.07.2022)
Issued jointly by
Tamil Nadu Veterinary and Animal Sciences University,
& India Meteorological Department



Weather Summary for the period since the issue of last bulletin (08.07.2022) for Chennai.

During past four days around Chennai area, the sky was mostly clear. Maximum temperature was 32.0-34.0°C and Minimum temperature was 27.0-28.0°C. Wind speed was 04-08 km per hour. Relative humidity was recorded between 62-84 %.

Past week Summary (08.07.2022-11.07.2022)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 17.07.2022				
08.07.2022	09.07.2022	10.07.2022	11.07.2022	Date	13.07.2022	14.07.2022	15.07.2022	16.07.2022	17.07.2022
0.7	0.0	1.0	2.9	Rainfall (mm)	2	2	0	0	6
33	32	33	34	Max. Temp. (°C)	34	34	34	34	34
28	28	27	27	Mini. Temp. (°C)	27	27	27	27	27
71	71	75	68	Maximum RH %	75	75	75	75	75
62	79	84	84	Minimum RH %	65	65	65	65	65
partly cloudy	partly cloudy	partly cloudy	partly cloudy	Cloud cover Octa	partly cloudy	partly cloudy	partly cloudy	partly cloudy	partly cloudy
West	North East	South West	South West	Wind direction	South West	South West	South West	South West	West South West
4	5	4	8	Wind speed Kmp	8	8	8	8	8

Weather Summary for Chennai district

Weather forecast for next five days: (13.07.2022-17.07.2022)

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 34.0°C. Minimum temperature is expected to be around 27.0°C. Morning relative humidity is expected to be around 75 per cent and evening relative humidity is expected to be around 65 per cent. Wind speed is expected to be around 08 km per hour and the wind direction will be from West South West.

SMS Advisory:

(13.07.2022-14.07.2022): Thunderstorm with lightning is likely to occur at one or two places over Tamilnadu,

Livestock Advisory

1. The farmers should avoid allowing the animals to graze in hot parts of the day.
2. Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
3. dryfodder and feed ingredients used for the preparation of concentrate mixture should be dry

and free from aflatoxin

4. The increased humidity in pig sty may occasionally increase the ammonia concentration to prevent this, the sty must be facilitated with good ventilation.
5. Increased humidity and air temperature may predispose rabbits to fungal infection leading to respiratory distress, to prevent this during rainy season the sidewalls of the rabbitry must be closed with gunny bags to prevent rainwater infiltration.
6. The farmers rearing poultry in backyard system must prevent the birds from drinking the stagnant water to prevent parasitic infestation.
7. In deep litter system of poultry rearing, the moisture level of litter system must be under check to prevent ammonia accumulation in poultry houses.

Nodal Officer (GKMS)
Professor and Head,
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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 (08.07.2022) for
Thiruvannamalai.

During past four days around Thiruvannamalai area, the sky was mostly clear. Maximum temperature was 33.0-35.0°C and Minimum temperature was 25.0-26.0°C. Wind speed was 09-14 km per hour. Relative humidity was recorded between 54-83 %.

Past week Summary (08.07.2022-11.07.2022)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 17.07.2022				
08.07.2022	09.07.2022	10.07.2022	11.07.2022	Date	13.07.2022	14.07.2022	15.07.2022	16.07.2022	17.07.2022
1.1	0.0	0.6	0.0	Rainfall (mm)	0	3	5	0	4
33	35	34	34	Max. Temp. (°C)	35	35	35	35	34
26	25	26	25	Mini. Temp. (°C)	27	27	27	27	27
63	65	64	64	Maximum RH %	70	70	70	70	70
61	54	83	70	Minimum RH %	60	60	60	60	60
partly cloudy	partly cloudy	partly cloudy	partly cloudy	Cloud cover Octa	partly cloudy	partly cloudy	partly cloudy	partly cloudy	partly cloudy
West	West South West	West South West	West South West	Wind direction	West South West	West South West	West South West	West South West	West
9	11	10	14	Wind speed Kmp	12	12	12	12	12

Weather Summary for Thiruvannamalai district

Weather forecast for next five days: (13.07.2022-17.07.2022)

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 34.0-35.0°C. Minimum temperature is expected to be around 27.0°C. Morning relative humidity is expected to be around 70 per cent and evening relative humidity is expected to be around 60 per cent. Wind speed is expected to be around 12 km per hour and the wind direction will be from West.

SMS Advisory:

(13.07.2022-14.07.2022): Thunderstorm with lightning is likely to occur at one or two places over Tamilnadu,

Livestock Advisory:

1. The farmers should avoid allowing the animals to graze in hot parts of the day.
2. Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
3. dryfodder and feed ingredients used for the preparation of concentrate mixture should be dry

and free from aflatoxin

4. The increased humidity in pig sty may occasionally increase the ammonia concentration to prevent this, the sty must be facilitated with good ventilation.
5. Increased humidity and air temperature may predispose rabbits to fungal infection leading to respiratory distress, to prevent this during rainy season the sidewalls of the rabbitry must be closed with gunny bags to prevent rainwater infiltration.
6. The farmers rearing poultry in backyard system must prevent the birds from drinking the stagnant water to prevent parasitic infestation.
7. In deep litter system of poultry rearing, the moisture level of litter system must be under check to prevent ammonia accumulation in poultry houses

Agricultural advisory

Rice:

Prevailing weather condition is favorable for leaf folder incidence in rice. Hence farmers are requested to monitor the field and spray azadirachtin 0.03% 100ml/ha.

In the paddy planting field to apply Butachlor for weed control 2.5 litre+25 Kg sand per hectare on the third day.

Groundnut:

Apply 25: 50:75 kg/ha of NPK fertilizers as the blanket recommendation. N and K in three splits viz., 50 % N & K as basal + 25 % N and K at 20 DAS + 25 % N and K at 45 DAS is recommended. Apply sulphur sludge 60 kg/ha.

Maize:

Prevailing weather condition is favorable for fall army worm incidence in maize. Hence farmers are requested to monitor the field and spray Chlorantraniliprole 18.5 SC 4 ml/10 litre

Banana:

To control panama wilt in banana, soil drenching with copper oxy chloride 2 g/litre.

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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 (08.06.2022) for
Villupuram

During past four days around Villupuram area, the sky was mostly clear. Maximum temperature was 33.0-35.0°C and Minimum temperature was 26.0-27.0°C. Wind speed was 02-06 km per hour. Relative humidity was recorded between 61-86 %.

Past week Summary (08.07.2022-11.07.2022)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 17.07.2022				
08.07.2022	09.07.2022	10.07.2022	11.07.2022	Date	13.07.2022	14.07.2022	15.07.2022	16.07.2022	17.07.2022
0.0	0.0	0.0	0.0	Rainfall (mm)	4	0	0	0	6
35	34	33	33	Max. Temp. (°C)	32	34	34	34	33
26	27	27	27	Mini. Temp. (°C)	26	27	27	27	26
86	76	82	84	Maximum RH %	75	75	75	75	75
65	77	61	70	Minimum RH %	65	65	65	65	65
partly cloudy	partly cloudy	partly cloudy	partly cloudy	Cloud cover Octa	partly cloudy	partly cloudy	partly cloudy	partly cloudy	partly cloudy
North	West	West	South West	Wind direction	South West	South West	West South West	West South West	West
2	6	6	5	Wind speed Kmp	12	12	12	12	12

Weather Summary for Villupuram district

Weather forecast for next five days: (13.07.2022-17.07.2022)

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 26.0-27.0°C. Morning relative humidity is expected to be around 75 per cent and evening relative humidity is expected to be around 65 per cent. Wind speed is expected to be around 12 km per hour and the wind direction will be from West.

SMS Advisory:

(13.07.2022-14.07.2022): Thunderstorm with lightning is likely to occur at one or two places over Tamilnadu,

Livestock Advisory:

1. The farmers should avoid allowing the animals to graze in hot parts of the day.
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7. In deep litter system of poultry rearing, the moisture level of litter system must be under check to prevent ammonia accumulation in poultry houses.

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. Algae in paddy field reduces the growth of crops. To control apply, 2.0 kg of copper sulphate mix with sand. 3. Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray chlorantraniliprole 18.5% 150 ml/ha or flubendiamide 39.35 SC 50 g/ha during morning or evening hours.

Sugarcane:

Mealy bug and pokkah boeng infection identified in sugarcane crop. Mealy bug affects growth of plants and pokkah boeng 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. 2. Due to prevailing weather condition changes of sugarcane early shoot borer infection. To control spray chlorantraniliprole 18.5 SC (0.5 ml/l) or fipronil 5 % SC (2 ml/l).

Groundnut:

To reduce the root rot infection in groundnut treat the seeds with carbendazim or thiram @ 2.0 g/kg of seed 24 hours before sowing (or) Trichoderma viride @ 4.0 g/kg of seed and Pseudomonas fluorescens @ 10 g/kg seed.

Brinjal:

Prevailing weather is favorable for shoot and fruit borer incidence in brinjal. To control remove the affected terminal shoot showing boreholes. Install pheromone trap @ 5 nos./ac or spray azadirachtin 1.0% EC 3.0 ml/lit or emamectin benzoate 5% SG 4.0g/10 liter.

coconut:

Installation of yellow sticky traps (25 Nos./ ha) on the palm trunk to trap the adult whiteflies. 2. Encourage buildup of parasitoids (Encarsia sp.) and reintroduce parasitized pupae at emerging zones of whitefly outbreak. 3. In severe case, spray neem oil 20 ml/l of water or spray Azadirachtin 2.0 ml/l of water with 1.0 ml of sticking agent.

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