



Agromet Advisory Bulletin for the Chennai District

Bulletin no. 39/2023 Issued on 16.05.2023

(17.05.2023-21.05.2023)

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 four days around Chennai area, the sky was mostly clear. Maximum temperature was 35.0-41.0°C and Minimum temperature was 29.0-31.0°C. Wind speed was 01-06 km per hour. Relative humidity was recorded between 34-76 %.

Past week Summary (12.05.2023-15.05.2023)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 21.05.2023				
12.05.2023	13.05.2023	14.05.2023	15.05.2023		Date	17.05.2023	18.05.2023	19.05.2023	20.05.2023
0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
35	38	38	41	Max. Temp. (°C)	41	41	42	42	43
29	30	31	30	Mini. Temp. (°C)	30	31	31	31	32
76	70	60	64	Maximum RH %	70	60	60	70	70
66	48	34	63	Minimum RH %	20	30	30	30	30
clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South East	South South East	South West	South East	Wind direction	South South West	South	South South West	South South West	South South West
1	2	6	5	Wind speed Kmp	10	10	12	12	10

Weather Summary for Chennai district

Weather forecast for next five days: (17.05.2023-21.05.2023)

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 41.0-43.0°C. Minimum temperature is expected to be around 30.0-32.0°C. Morning relative humidity is expected to be around 60-70 per cent and evening relative humidity is expected to be around 20-30 per cent. Wind speed is expected to be around 10-12 km per hour and the wind direction will be from South South West.

SMS Advisory:

(18.05.2023-21.05.2023) Light to moderate rain 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. Dry fodder's and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin
4. Increasing the frequency of feeding from three to four times per day to high yielding crossbreed, dairy cattle would nominally increase milk production and at the same time will reduce the heat stress.
5. When the air temperature is above 35 degrees Celsius the dairy cattle tend to drink more water thereby decreasing the Dry Matter Intake (DMI). Hence to overcome this succulent protein rich green fodder mixed with green fodder may be provided to livestock.
6. White pigs meant for fattening purpose which are fed with high fat containing swill feed would suffer heat load during digestion, during summer season. Hence to prevent this fat containingswill feed should be fed during late evening hours.
7. Rabbitaries with asbestos/metal roofs will experience more heat during summer, hence covering the roof with coconut leaves or gunny bags and splashing water over them will reduce the inner micro climate of rabbit shed.
8. Provision of cool wholesome drinking water to poultry during summer is essential.

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Agromet Advisory Bulletin for the Thiruvannamalai District

Bulletin no. 39/2023 Issued on 16.05.2023

(17.05.2023-21.05.2023)

Issued jointly by

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& India Meteorological Department



Weather Summary for the period since the issue of last bulletin for TVMalai .

During past four days around TVMalai area, the sky was mostly clear. Maximum temperature was 37.0-41.0°C and Minimum temperature was 27.0-29.0°C. Wind speed was 06-09 km per hour. Relative humidity was recorded between 40-69 %.

Past week Summary (12.05.2023-15.05.2023)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 21.05.2023				
12.05.2023	13.05.2023	14.05.2023	15.05.2023		Date	17.05.2023	18.05.2023	19.05.2023	20.05.2023
0.0	0.0	0.0	0.0	Rainfall (mm)	0	3	0	0	3
37	39	37	41	Max. Temp. (°C)	42	42	43	43	43
27	28	28	29	Mini. Temp. (°C)	26	27	28	28	28
68	64	66	69	Maximum RH %	60	60	60	70	60
51	56	40	49	Minimum RH %	20	30	30	30	30
clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
North East	West North West	West South West	North North West	Wind direction	South South West	South South West	South South West	South South West	South South West
6	8	9	6	Wind speed Kmp	6	10	8	8	10

Weather Summary for TVMalai district

Weather forecast for next five days: (17.05.2023-21.05.2023)

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 42.0-43.0°C. Minimum temperature is expected to be around 26.0-28.0°C. Morning relative humidity is expected to be around 60-70 per cent and evening relative humidity is expected to be around 20-30 per cent. Wind speed is expected to be around 06-10 km per hour and the wind direction will be from South South West.

SMS Advisory:

(18.05.2023-21.05.2023) Light to moderate rain 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. Dry fodder's and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin

4. Increasing the frequency of feeding from three to four times per day to high yielding crossbreed, dairy cattle would nominally increase milk production and at the same time will reduce the heat stress.
5. When the air temperature is above 35 degrees Celsius the dairy cattle tend to drink more water thereby decreasing the Dry Matter Intake (DMI). Hence to overcome this succulent protein rich green fodder mixed with green fodder may be provided to livestock.
6. White pigs meant for fattening purpose which are fed with high fat containing swill feed would suffer heat load during digestion, during summer season. Hence to prevent this fat containing swill feed should be fed during late evening hours.
7. Rabbitaries with asbestos/metal roofs will experience more heat during summer, hence covering the roof with coconut leaves or gunny bags and splashing water over them will reduce the inner micro climate of rabbit shed.
8. Provision of cool wholesome drinking water to poultry during summer is essential.

Agricultural advisory

Rice:

Application of Azospirillum @2.5 kg /ha, phosphobacteria @ 2.5kg / ha and KRB @ 22.5 kg /ha mixed with 50kg of FYM or forest soil and broadcast after 10-15 days of transplanting. Application of PPM @ 1.5% foliar spray of avoid drought.

Weed management in wet direct sown rice: Sowing with drum seeder and cono weeding at 10,20 and 30 DAS or Pre emergence application of Pretilachlor 0.75 kg/ha on 8DAS followed by one hand weeding on 40 DAS or Application of Pyrazosulfuron ethyl @ 20g/ha on 3 DAS followed by cono weeding on 25 DAS or Application of Pendimethalin 1 kg /ha at 3 DAS followed by post emergence application bispyribac sodium 25 gram /ha at 25 DAS with one hand weeding at 45DAS.

Groundnut:

Treat the groundnut seeds with Trichoderma @ 4g/kg just before sowing.

Coconut:

In new coconut plantings the hybrids Dwarf × Tall or Tall × Dwarf may be used.

Mango:

The mango crop harvesting is in progress. The fruit may be harvested with 1cm stalk to avoid flow of latex.

The fruits may be treated with 2ml /lit Ethrel along with few sodium hydroxide pellets for uniform ripening and color development.

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Agromet Advisory Bulletin for the Villupuram District
Bulletin no. 39/2023 Issued on 16.05.2023
(17.05.2023-21.05.2023)
Issued jointly by
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& India Meteorological Department



Weather Summary for the period since the issue of last bulletin for Villupuram.

During past four days around Villupuram area, the sky was mostly clear. Maximum temperature was 35.0-38.0°C and Minimum temperature was 27.0-28.0°C. Wind speed was 03-05 km per hour. Relative humidity was recorded between 62-83 %.

Past week Summary (12.05.2023-15.05.2023)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 21.05.2023				
12.05.2023	13.05.2023	14.05.2023	15.05.2023		Date	17.05.2023	18.05.2023	19.05.2023	20.05.2023
0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	2
35	37	37	38	Max. Temp. (°C)	39	40	41	41	41
27	28	28	28	Mini. Temp. (°C)	27	28	29	29	28
83	82	80	78	Maximum RH %	90	70	70	70	70
65	62	70	65	Minimum RH %	30	30	30	30	40
clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South West	South South West	South East	South South East	Wind direction	South South West	South South West	South South West	South South West	South South West
5	3	5	4	Wind speed Kmp	6	8	10	12	10

Weather Summary for Villupuram district

Weather forecast for next five days: (17.05.2023-21.05.2023)

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 39.0-41.0°C. Minimum temperature is expected to be around 27.0-29.0°C. Morning relative humidity is expected to be around 70-90 per cent and evening relative humidity is expected to be around 30-40 per cent. Wind speed is expected to be around 08-12 km per hour and the wind direction will be from South South West.

SMS Advisory:

(18.05.2023-21.05.2023) Light to moderate rain 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. Dry fodder's and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin

4. Increasing the frequency of feeding from three to four times per day to high yielding crossbreed, dairy cattle would nominally increase milk production and at the same time will reduce the heat stress.
5. When the air temperature is above 35 degrees Celsius the dairy cattle tend to drink more water thereby decreasing the Dry Matter Intake (DMI). Hence to overcome this succulent protein rich green fodder mixed with green fodder may be provided to livestock.
6. White pigs meant for fattening purpose which are fed with high fat containing swill feed would suffer heat load during digestion, during summer season. Hence to prevent this fat containing will feed should be fed during late evening hours.
7. Rabbitaries with asbestos/metal roofs will experience more heat during summer, hence covering the roof with coconut leaves or gunny bags and splashing water over them will reduce the inner micro climate of rabbit shed.
8. Provision of cool wholesome drinking water to poultry during summer is essential.

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. 2. Due to prevailing weather condition brown plant leafhopper infestation is found in paddy crop. Symptoms Nymphs and adults congregate at the base of the plant above the water level. Affected plant dries up and gives a scorched appearance called "hopper burn". Circular patches of drying and lodging of matured plant. To control spray carbosulfan 400 ml/ac + imidaclopride 40ml/ac or pymetrozine 120 g/ac with wetting agent.

Gingelly:

Due prevailing weather conditions favourable for gingelly leaf webber infestation. To control spray Quinalphos 25 EC 2000 ml/ha in 500 litre of water. Due prevailing weather conditions favourable for gingelly root rot infection. Soil application of bacillus subtilis or T. asperillum @ 2.5 kg / ha with 50 kg of well decomposed FYM or sand at 30 days after sowing. Spot drench with carbendazim @ 1 g/l.

Groundnut:

Groundnut growing farmers reduce the root rot infection treat the seeds with carbendazim @ 2.0 g/kg of seed 24 hours before sowing (or) Trichoderma viride @ 4.0 g/kg of seed (or) bacillus subtilis @ 10 g/kg seed.

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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 four days around Kancheepuram area, the sky was mostly clear. Maximum temperature was 37.0-41.0°C and Minimum temperature was 28.0-30.0°C. Wind speed was 03-09 km per hour. Relative humidity was recorded between 36-76 %.

Past week Summary (12.05.2023-15.05.2023)				Parameters	Ensemble weather forecast valid until 08.30 hrs of 21.05.2023				
12.05.2023	13.05.2023	14.05.2023	15.05.2023		Date	17.05.2023	18.05.2023	19.05.2023	20.05.2023
0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
37	39	37	41	Max. Temp. (°C)	41	41	42	42	43
28	29	30	29	Mini. Temp. (°C)	29	30	30	31	31
67	76	57	63	Maximum RH %	70	70	70	80	70
68	52	36	40	Minimum RH %	30	40	40	50	50
clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South South East	South South West	West	West	Wind direction	South West	South	South South West	South South West	South South West
7	3	6	9	Wind speed Kmp	12	8	10	12	10

Weather Summary for Kancheepuram district

Weather forecast for next five days: (17.05.2023-21.05.2023)

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 41.0-43.0°C. Minimum temperature is expected to be around 29.0-31.0°C. Morning relative humidity is expected to be around 70-80 per cent and evening relative humidity is expected to be around 30-50 per cent. Wind speed is expected to be around 08-12 km per hour and the wind direction will be from South South West.

SMS Advisory:

(18.05.2023-21.05.2023) Light to moderate rain is likely to occur at one or two places over Tamilnadu,

Livestock Advisory:

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8. Provision of cool wholesome drinking water to poultry during summer is essential.

Agricultural advisory

Groundnut:

There are possibilities of dry root rot infestation in groundnut. For management Spot drenching with Carbendazim 1g/lit or apply Trichoderma viride 2.5kg/ha with 50 kg of FYM.

Brinjal:

There are possibilities of red spider mite in Brinjal crop. For management farmers are advised to spray wettable sulphur 50 WP 2g/lit or dicofol 18.5 EC 2.5 ml/lit.

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