



**Agromet Advisory Bulletin for the Chennai District**  
**Bulletin no. 37/2023 Issued on 09.05.2023**  
**(10.05.2023-14.05.2023)**  
**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 five days around Chennai area, the sky was mostly clear. Maximum temperature was 31.0-35.0°C and Minimum temperature was 26.0-27.0°C. Wind speed was 02-04 km per hour. Relative humidity was recorded between 67-78 %.

Past week Summary (04.05.2023-08.05.2023)					Parameters	Ensemble weather forecast valid until 08.30 hrs of 14.05.2023				
04.05.2023	05.05.2023	06.05.2023	07.05.2023	08.05.2023	Date	10.05.2023	11.05.2023	12.05.2023	13.05.2023	14.05.2023
0.0	0.0	0.4	0.1	0.0	Rainfall (mm)	0	0	0	0	0
31	34	34	35	35	Max. Temp. (°C)	36	37	37	38	38
26	27	27	27	26	Mini. Temp. (°C)	27	27	28	28	29
77	67	78	72	75	Maximum RH %	80	80	70	50	50
68	78	67	72	69	Minimum RH %	40	30	30	30	30
clear Sky	clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
East South East	East South East	South East	North	East South East	Wind direction	South	South South West	South South West	South West	South West
2	4	2	2	2	Wind speed Kmp	6	6	10	6	16

**Weather Summary for Chennai district**

**Weather forecast for next five days: (10.05.2023-14.05.2023)**

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 36.0-38.0°C. Minimum temperature is expected to be around 27.0-29.0°C. Morning relative humidity is expected to be around 50-80 per cent and evening relative humidity is expected to be around 30-40 per cent. Wind speed is expected to be around 06-16 km per hour and the wind direction will be from South West.

**SMS Advisory:**

(12.05.2023-14.05.2023) 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.

*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. 37/2023 Issued on 09.05.2023

(10.05.2023-14.05.2023)

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 TVMalai .

During past five days around TVMalai area, the sky was mostly clear. Maximum temperature was 34.0-36.0°C and Minimum temperature was 23.0-25.0°C. Wind speed was 06-08 km per hour. Relative humidity was recorded between 63-90 %.

Past week Summary (04.05.2023-08.05.2023)					Parameters	Ensemble weather forecast valid until 08.30 hrs of 14.05.2023				
04.05.2023	05.05.2023	06.05.2023	07.05.2023	08.05.2023	Date	10.05.2023	11.05.2023	12.05.2023	13.05.2023	14.05.2023
24.5	16.4	24.3	15.7	26.1	Rainfall (mm)	2	0	0	0	0
36	36	35	34	34	Max. Temp. (°C)	37	37	38	38	39
24	25	24	24	23	Mini. Temp. (°C)	26	27	28	28	29
89	74	80	84	90	Maximum RH %	80	70	60	60	60
63	93	84	64	56	Minimum RH %	30	30	30	30	30
clear Sky	clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
North West	North East	South West	South West	East	Wind direction	South South West	South South West	West	West South West	West
8	6	7	7	6	Wind speed Kmp	4	4	4	4	12

### Weather Summary for TVMalai district

#### Weather forecast for next five days: (10.05.2023-14.05.2023)

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 37.0-39.0°C. Minimum temperature is expected to be around 26.0-29.0°C. Morning relative humidity is expected to be around 60-80 per cent and evening relative humidity is expected to be around 30 per cent. Wind speed is expected to be around 04-12 km per hour and the wind direction will be from West.

#### SMS Advisory:

(12.05.2023-14.05.2023) 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:**

For nursery land preparation, to prevent soil borne diseases and better establishment of seedlings apply Azospirillum 2.5 Kg mixed with 25 kg of soil.

During high temperature period in rice field major nutrient like potassium and magnesium and also micronutrient like iron, zinc and Boron deficiency may be occur. To overcome this deficiency foliar spray 20 %  $(\text{NH}_4)_3 \text{PO}_4$ , 0.5 % KCL, 0.5 %  $\text{ZnSO}_4$ , 0.5-1 %  $\text{FeSO}_4$ , + 1 % Urea and 0.3 % Boric acid.

#### **Groundnut:**

Mix 3 kg of TNAU MN mixture with 30 kg of Farm Yard Manure (1:10), moisten and keep it an anaerobic condition 15-30 days. Apply the enriched FYM to the field under the sowing of groundnut to overcome several micronutrient deficiencies.

#### **Brinjal:**

To control sucking pests in brinjal crop, spray imidachloprid 0.3ml/litre of water.

#### **Mango:**

Basin of the mango fruit trees may be cleaned and mulched suitable. Mango crop is nearing maturity stage. The crop may be harvested with 1 cm stalk to avoid flow of latex over fruit surface and the fruits may be ripened using the recommended ethrel to get attractive color.

*Nodal Officer (GKMS)  
Professor and Head,  
Department of Livestock Production Management  
Madras Veterinary College, Chennai - 7*



**Agromet Advisory Bulletin for the Villupuram District**  
**Bulletin no. 37/2023 Issued on 09.05.2023**  
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**Weather Summary for the period since the issue of last bulletin for Villupuram.**

During past five days around Villupuram area, the sky was mostly clear. Maximum temperature was 31.0-33.0°C and Minimum temperature was 25.0-26.0°C. Wind speed was 02-04 km per hour. Relative humidity was recorded between 75-89 %.

Past week Summary (04.05.2023-08.05.2023)					Parameters	Ensemble weather forecast valid until 08.30 hrs of 14.05.2023				
04.05.2023	05.05.2023	06.05.2023	07.05.2023	08.05.2023	Date	10.05.2023	11.05.2023	12.05.2023	13.05.2023	14.05.2023
18.1	2.9	0.0	39.7	3.2	Rainfall (mm)	0	0	0	0	0
31	33	32	32	32	Max. Temp. (°C)	35	36	36	37	37
25	25	26	26	25	Mini. Temp. (°C)	28	29	30	30	31
86	87	89	80	81	Maximum RH %	70	70	70	60	60
78	82	81	83	75	Minimum RH %	40	30	30	40	30
clear Sky	clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
East South East	South	South South East	South South East	South East	Wind direction	South South West	South South West	South South West	South West	South South West
2	4	2	2	2	Wind speed Kmp	4	6	4	12	10

**Weather Summary for Villupuram district**

**Weather forecast for next five days: (10.05.2023-14.05.2023)**

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 35.0-37.0°C. Minimum temperature is expected to be around 28.0-31.0°C. Morning relative humidity is expected to be around 60-70 per cent and evening relative humidity is expected to be around 30-40 per cent. Wind speed is expected to be around 04-12 km per hour and the wind direction will be from South South West.

**SMS Advisory:**

(12.05.2023-14.05.2023) 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:**

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.

*Nodal Officer (GKMS)  
Professor and Head,  
Department of Livestock Production Management  
Madras Veterinary College, Chennai – 7*



**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 five days around Kancheepuram area, the sky was mostly clear. Maximum temperature was 31.0-35.0°C and Minimum temperature was 25.0-27.0°C. Wind speed was 04-07 km per hour. Relative humidity was recorded between 64-80 %.

Past week Summary (04.05.2023-08.05.2023)					Parameters	Ensemble weather forecast valid until 08.30 hrs of 14.05.2023				
04.05.2023	05.05.2023	06.05.2023	07.05.2023	08.05.2023	Date	10.05.2023	11.05.2023	12.05.2023	13.05.2023	14.05.2023
2.9	0.0	25.3	10.8	3.3	Rainfall (mm)	0	0	0	0	0
31	35	34	35	35	Max. Temp. (°C)	36	37	38	38	38
26	27	25	27	26	Mini. Temp. (°C)	27	28	28	29	29
78	71	80	72	69	Maximum RH %	80	80	70	60	60
64	72	67	70	64	Minimum RH %	50	40	40	40	30
clear Sky	clear Sky	clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
East North East	South East	South South East	South East	South East	Wind direction	South	South South West	South South West	West	West
5	7	4	6	4	Wind speed Kmp	4	4	10	6	16

**Weather Summary for Kancheepuram district**

**Weather forecast for next five days: (10.05.2023-14.05.2023)**

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 36.0-38.0°C. Minimum temperature is expected to be around 27.0-29.0°C. Morning relative humidity is expected to be around 60-80 per cent and evening relative humidity is expected to be around 30-50 per cent. Wind speed is expected to be around 04-16 km per hour and the wind direction will be from West.

**SMS Advisory:**

(12.05.2023-14.05.2023) Light to moderate rain is likely to occur at one or two places over Tamilnadu,

## **Livestock Advisory:**

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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.
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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.

*Nodal Officer (GKMS)  
Professor and Head,  
Department of Livestock Production Management  
Madras Veterinary College, Chennai – 7*