



Agromet Advisory Bulletin for the Chennai District
Bulletin no72/2022 Issued on 09.09.2022
(From 10.09.2022-14.09.2022)
Issued jointly by
Tamil Nadu Veterinary and Animal Sciences University,
& India Meteorological Department



Weather Summary for the period since the issue of last bulletin (06.09.2022) for Chennai.

During past three days around Chennai area, the sky was mostly clear. Maximum temperature was 32.0-35.0°C and Minimum temperature was 26.0-28.0°C. Wind speed was 02-06 km per hour. Relative humidity was recorded between 71-81 %.

Past week Summary (06.09.2022-08.09.2022)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 14.09.2022				
06.09.2022	07.09.2022	08.09.2022	Date	10.09.2022	11.09.2022	12.09.2022	13.09.2022	14.09.2022
0.0	0.0	0.4	Rainfall (mm)	5	5	3	3	6
35	35	32	Max. Temp. (°C)	33	34	34	34	35
28	27	26	Mini. Temp. (°C)	26	27	27	27	27
74	81	80	Maximum RH %	75	75	75	75	75
80	71	79	Minimum RH %	65	65	65	65	65
Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Cloud cover Octa	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky
South East	North East	West South West	Wind direction	South West	South West	South West	South South West	South South West
6	2	4	Wind speed Kmp	10	10	10	10	10

Weather Summary for Chennai district

Weather forecast for next five days: (10.09.2022-14.09.2022)

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 33.0-35.0°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 10 km per hour and the wind direction will be from South South West.

SMS Advisory:

(12.09.22-14.09.22) Light to moderate rain at isolated places is likely to occur over Tamilnadu,

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. The livestock must be provided with clean wholesome drinking water all round the clock.

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

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 (06.09.2022) for
Thiruvannamalai.

During past three days around Thiruvannamalai area, the sky was mostly clear. Maximum temperature was 32.0-35.0°C and Minimum temperature was 23.0-25.0°C. Wind speed was 02-04 km per hour. Relative humidity was recorded between 81-97 %.

Past week Summary (06.09.2022-08.09.2022)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 14.09.2022				
06.09.2022	07.09.2022	08.09.2022		Date	10.09.2022	11.09.2022	12.09.2022	13.09.2022
1.0	8.0	13.8	Rainfall (mm)	8	10	4	4	4
35	35	32	Max. Temp. (°C)	34	34	34	35	35
25	23	23	Mini. Temp. (°C)	25	25	25	25	25
81	96	86	Maximum RH %	70	70	70	70	70
97	95	86	Minimum RH %	55	55	55	55	55
Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Cloud cover Octa	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky
West	West South West	West	Wind direction	West South West	West South West	West South West	South West	South West
2	3	4	Wind speed Kmp	8	8	8	8	8

Weather Summary for Thiruvannamalai district

Weather forecast for next five days: (10.09.2022-14.09.2022)

According to district forecast issued by the India Meteorological Department for Thiruvannamalai 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 25.0°C. Morning relative humidity is expected to be around 70 per cent and evening relative humidity is expected to be around 55 per cent. Wind speed is expected to be around 08 km per hour and the wind direction will be from South West.

SMS Advisory:

(12.09.22-14.09.22) Light to moderate rain at isolated places is likely to occur over Tamilnadu,

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. The livestock must be provided with clean wholesome drinking water all round the clock.

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

Agricultural advisory

Rice:

Since rain is anticipated, provide drainage for the rice field. To avoid fertilizer application, insecticides or pesticides spray and postpone irrigation. Harvest the matured crops and store in safe places

Groundnut:

Provide drainage for groundnut crop. To avoid fertilizer application, insecticides or pesticides spray.

Black gram:

Provide drainage for black gram crop. To avoid fertilizer application, insecticides or pesticides spray and weeding.

Maize:

Provide drainage for maize crop. To avoid fertilizer application, insecticides or pesticides spray and postpone irrigation.

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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 (06.09.2022) for
Villupuram

During past three days around Villupuram area, the sky was mostly clear. Maximum temperature was 32.0-35.0°C and Minimum temperature was 24.0-26.0°C. Wind speed was 02-04 km per hour. Relative humidity was recorded between 75-95 %.

Past week Summary (06.09.2022-08.09.2022)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 14.09.2022				
06.09.2022	07.09.2022	08.09.2022	Date	10.09.2022	11.09.2022	12.09.2022	13.09.2022	14.09.2022
0.0	19.2	31.8	Rainfall (mm)	6	8	4	4	4
35	33	32	Max. Temp. (°C)	34	34	35	35	35
26	25	24	Mini. Temp. (°C)	26	26	26	27	27
87	92	95	Maximum RH %	75	75	75	75	75
81	75	94	Minimum RH %	65	65	65	65	65
Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Cloud cover Octa	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky
South West	North North East	South West	Wind direction	West South West	West South West	West South West	South West	South West
2	3	4	Wind speed Kmp	10	10	10	10	10

Weather Summary for Villupuram district

Weather forecast for next five days: (10.09.2022-14.09.2022)

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 34.0-35.0°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 10 km per hour and the wind direction will be from South West.

SMS Advisory:

(12.09.22-14.09.22) Light to moderate rain at isolated places is likely to occur over Tamilnadu,

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. The livestock must be provided with clean wholesome drinking water all round the clock.

5. To prevent the methane and ammonia accumulation in pig sty provision of proper ventilation is necessary
6. To prevent water stagnation proper drainage must be provided in livestock shelter
7. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age)
8. Add 5% shell grit in laying hens for optimum egg production
9. 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 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. 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.

Sugarcane:

Mealy bug and pokkahboeng infection identified in sugarcane crop. Mealy bug affect growth of plants and pokkahboeng 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. 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).

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

Groundnut:

Due to prevailing weather condition there are chances of root rot infection in groundnut. To control apply trichoderma asperellum + bacillus subtilis 2.5 kg/ha with 50 kg of well decomposed FYM or sand at 30 DAS. Spot drench with carbendazim 1.0 g/lit

Cotton:

Due to prevailing weather condition there are chances of cotton green leaf hopper infestation. To control spray thiamethoxam 25 WG 0.6 gram/litre or imidacloprid 17.8 SL 0.6 ml/litre

Tapioca:

Prevailing weather condition is favorable for mealy bug infestation in tapioca crop. To control spray fluonicamid 50 % WG 60 g/acre or spirotetramat 150 OD 250 ml/acre or thiamethoxan 25 WDG 40 g/acre.

Banana:

Due to prevailing weather condition favorable for sigatoka leaf spot infection in banana crop. To control spray carbendazim 1.0 g/l or propiconazole 1.0 ml/l or mancozeb 2.5 g/l and sticking agent at 10-15 days interval.

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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Weather Summary for the period since the issue of last bulletin (06.09.2022) for
Kancheepuram

During past three days around Kancheepuram area, the sky was mostly clear. Maximum temperature was 33.0-35.0°C and Minimum temperature was 25.0-27.0°C. Wind speed was 03-07 km per hour. Relative humidity was recorded between 66-90 %.

Past week Summary (06.09.2022-08.09.2022)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 14.09.2022				
06.09.2022	07.09.2022	08.09.2022	Date	10.09.2022	11.09.2022	12.09.2022	13.09.2022	14.09.2022
0.0	5.4	8.1	Rainfall (mm)	8	6	4	4	8
35	35	33	Max. Temp. (°C)	33	34	35	35	34
27	25	25	Mini. Temp. (°C)	26	26	26	26	26
74	90	80	Maximum RH %	70	70	70	70	70
73	66	79	Minimum RH %	60	60	55	55	60
Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Cloud cover Octa	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky	Mostly cloudy Sky
South West	North East	South West	Wind direction	South West	South West	South West	South South West	South South West
7	3	7	Wind speed Kmp	12	12	12	12	12

Weather Summary for Kancheepuram district

Weather forecast for next five days: (10.09.2022-14.09.2022)

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 33.0-35.0°C. Minimum temperature is expected to be around 26.0°C. Morning relative humidity is expected to be around 70 per cent and evening relative humidity is expected to be around 55-60 per cent. Wind speed is expected to be around 12 km per hour and the wind direction will be from South South West.

SMS Advisory:

(12.09.22-14.09.22) Light to moderate rain at isolated places is likely to occur over Tamilnadu,

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

Agricultural advisory

Rice:

The forecasted weather may cause leaf folder infestation in rice crop. The farmers are advised to monitor the field, if symptoms are observed it's advised to spray Chlorantraniliprole 18.5% 150 ml/ha.

Groundnut:

There are possibilities of early leaf spot infestation in ground nut crop. For management farmers are advised to apply Chlorothalonil @ 400 g/acre

Brinjal:

There are possibilities of damping off infestation in brinjal nursery. For management farmers are advised to apply *Pseudomonas fluorescens* as a soil application @ 2.5 kg/ha mixed with 50 kg of FYM

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