

तमिलनाडु के लिए राज्य स्तरीय समग्र कृषि-मौसम परामर्श बुलेटिन



DISTRICT LEVEL

**Agro meteorological Advisory Bulletin for the state of
Tamil Nadu Bulletin No. 023/2024**

For the period 0830 IST, 19th March 2024 to

0830 IST, 24th March 2024

Issued on Tuesday, 19th March 2024

Issued by

DDGM, Regional Meteorological Centre, India Meteorological Department,
Chennai in collaboration with TNAU and nine AMFU's of Agro climatic Zones of
the Tamil Nadu state

Agro climatic zones of the state

Sl. No	Agro climatic zone	Districts	Agro met field Unit (AMFU) location
1	Northeastern zone	Kanchipuram, Tiruvallur, Cuddalore Tiruvannamalai, Chennai, Villupuram , Vellore	Chennai
2	Northwestern zone	Dharmapuri, Krishnagiri, Salem and Namakkal	Namakkal
3	Western Zone	Erode, Tiruppur and Coimbatore,	Coimbatore,
4	Cauvery Delta zone	Thanjavur, Nagapattinam, Tiruvarur, Karur, Perambalur, Ariyalur and Tiruchirapalli.	Adudurai
5	Southern zone	Virudhunagar, Tirunelveli and Thoothugudi	Kovilpatti
6	South Zone	Pudukkottai, Madurai, Dindigul, Theni, Ramanathapuram and Sivagangai	Kannivadi
7	High rainfall zone	Kanyakumari	Pechiparai
8	Hilly zone	Nilgiris	Ooty
9	Coastal Zone	Karaikal and Pondicherry	Karaikal



Past Weather Summary for the period 15.03.24 to 18.03.24 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range 32°C – 40°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 21°C – 25°C during the period.

Minimum temperature of range 21°C - 27°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 11°C - 13°C during the same period.

Spatial distribution of Rainfall

Spatial distribution of Rainfall	Tamil Nadu	Puducherry
Widespread (Most places)	--	--
Fairly widespread (Many places)	--	--
Scattered (Few Places)	--	--
Isolated (One or Two Places)	16.03.2024	--
Dry	15.03.2024, 17.03.24 & 18.03.24	15.03.2024 to 18.03.24

Chief Amounts of Rainfall (in cms):-

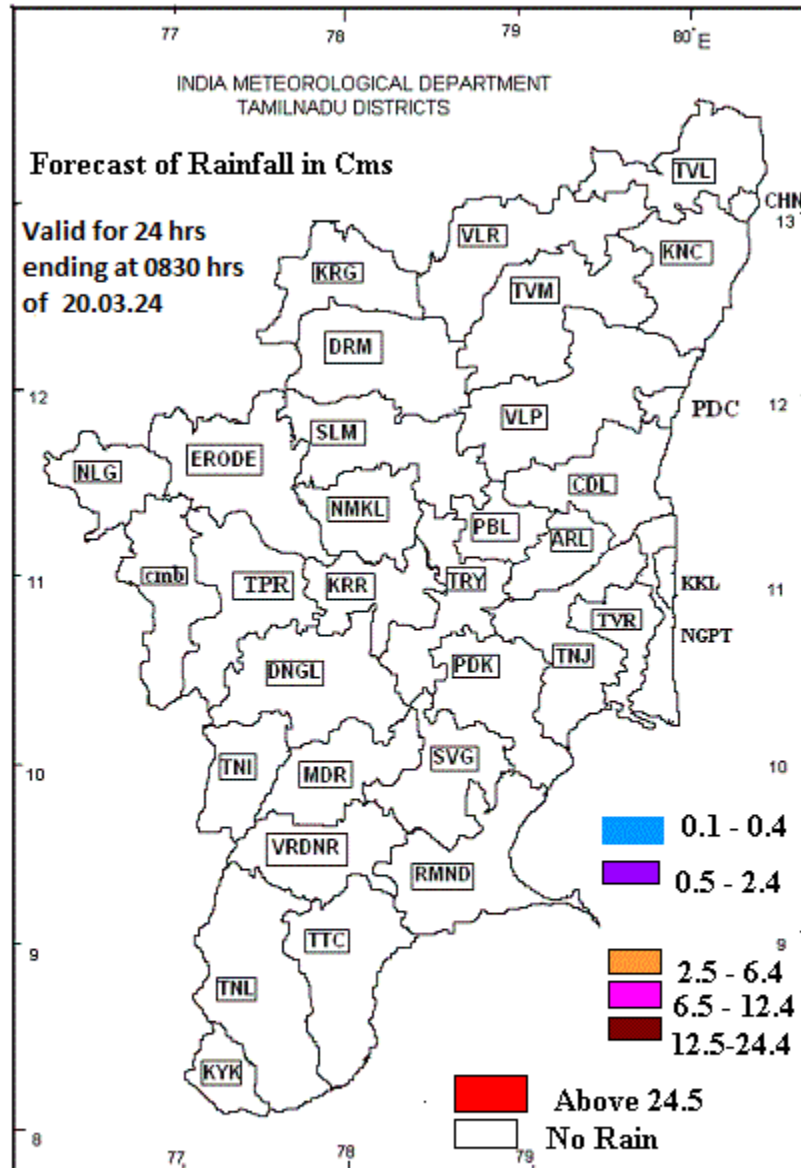
15.03.24 : Nil

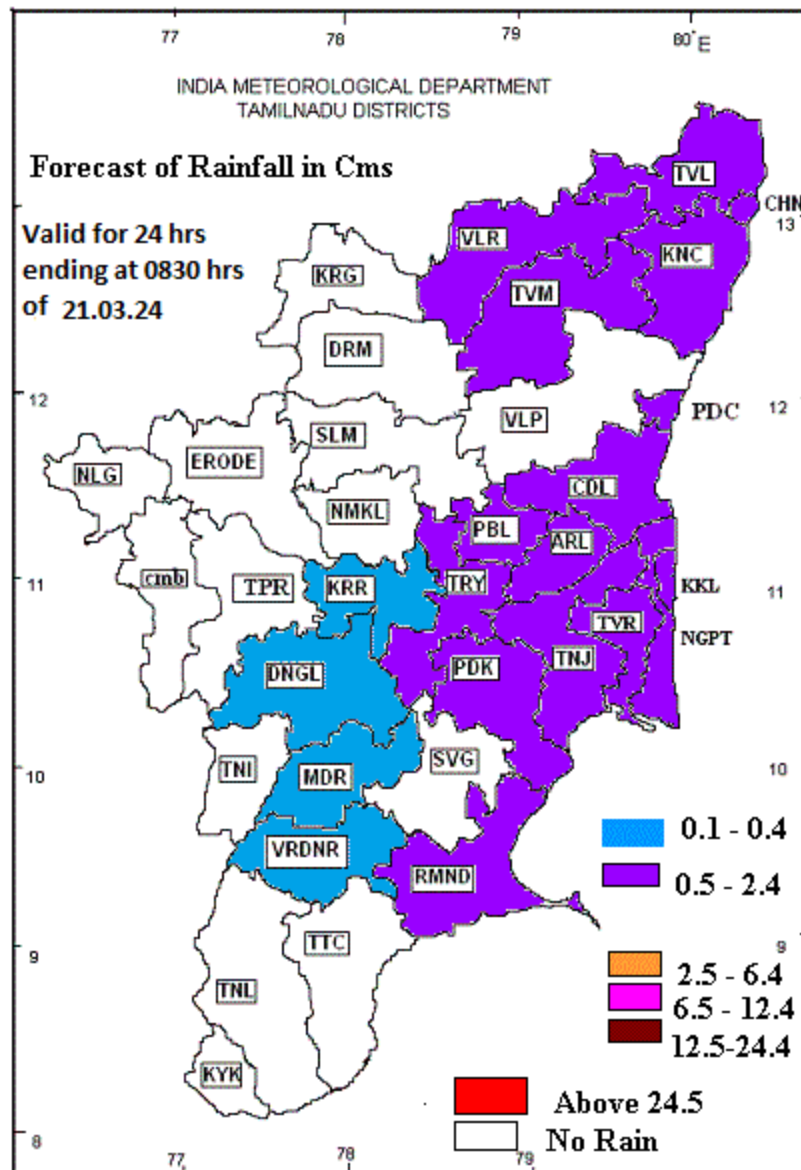
16.03.24 : Nil

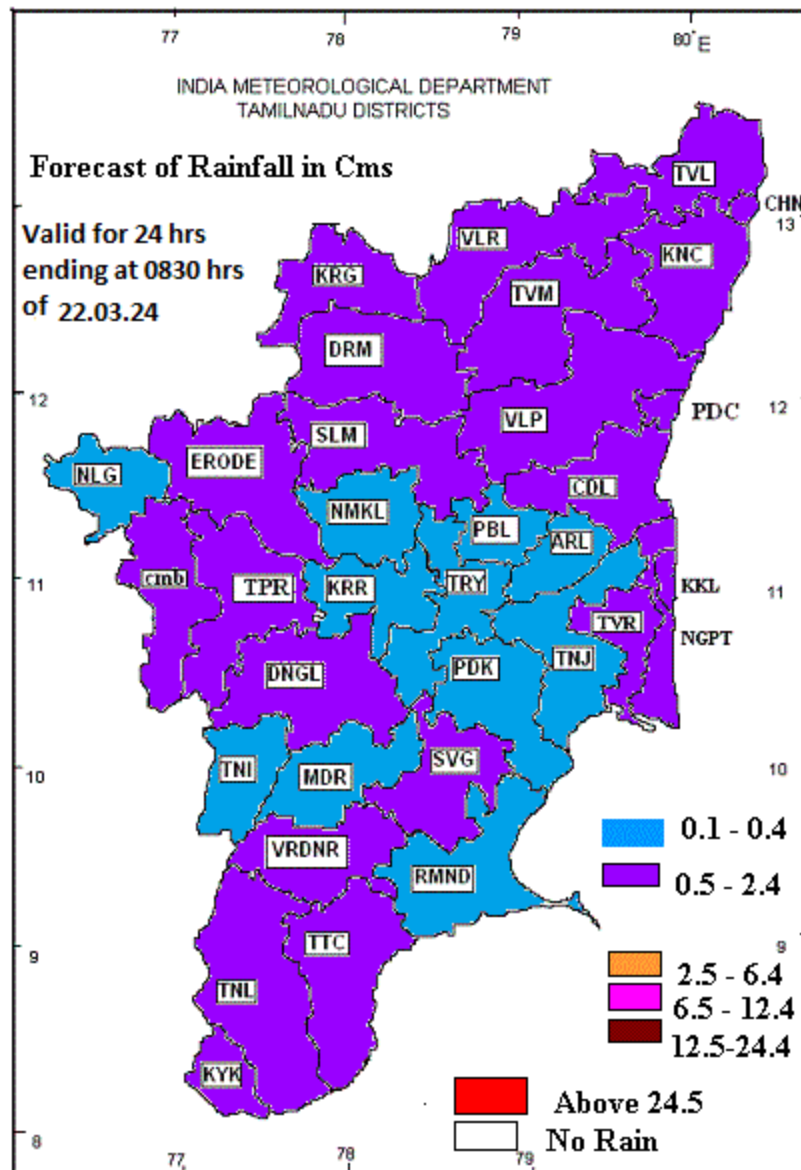
17.03.24 : Nil

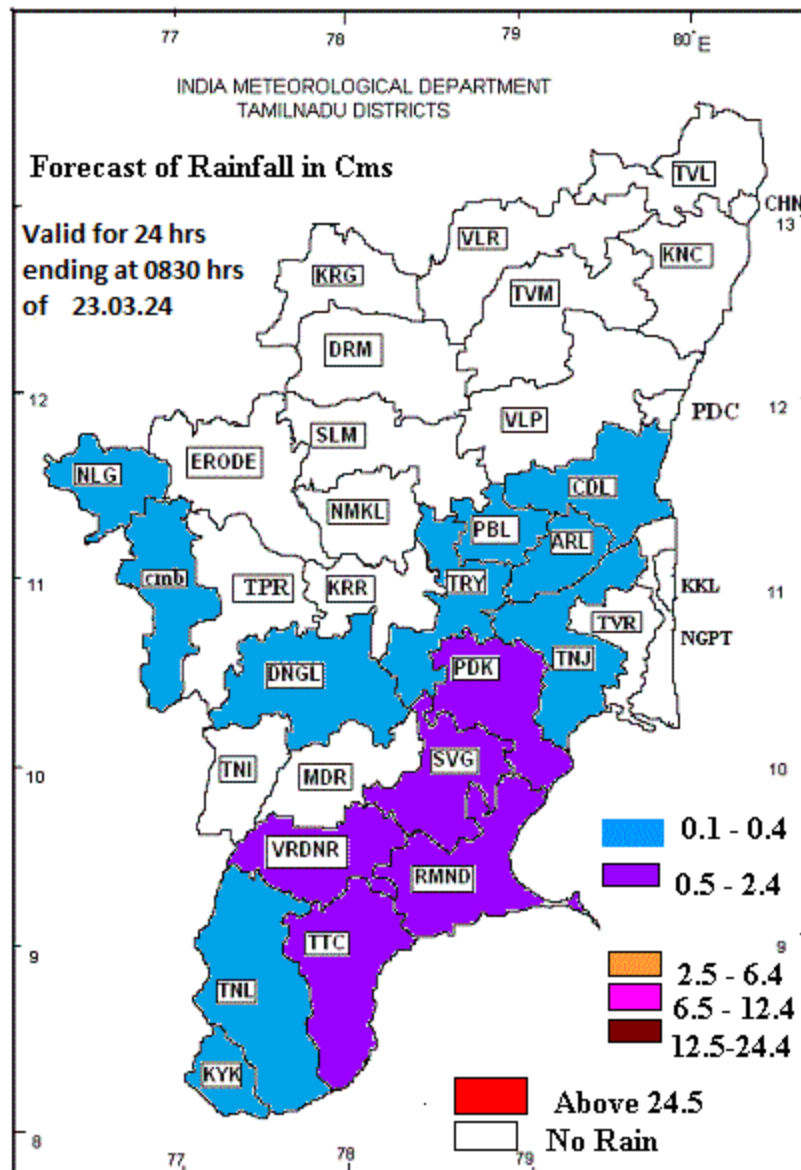
18.03.24 : Nil

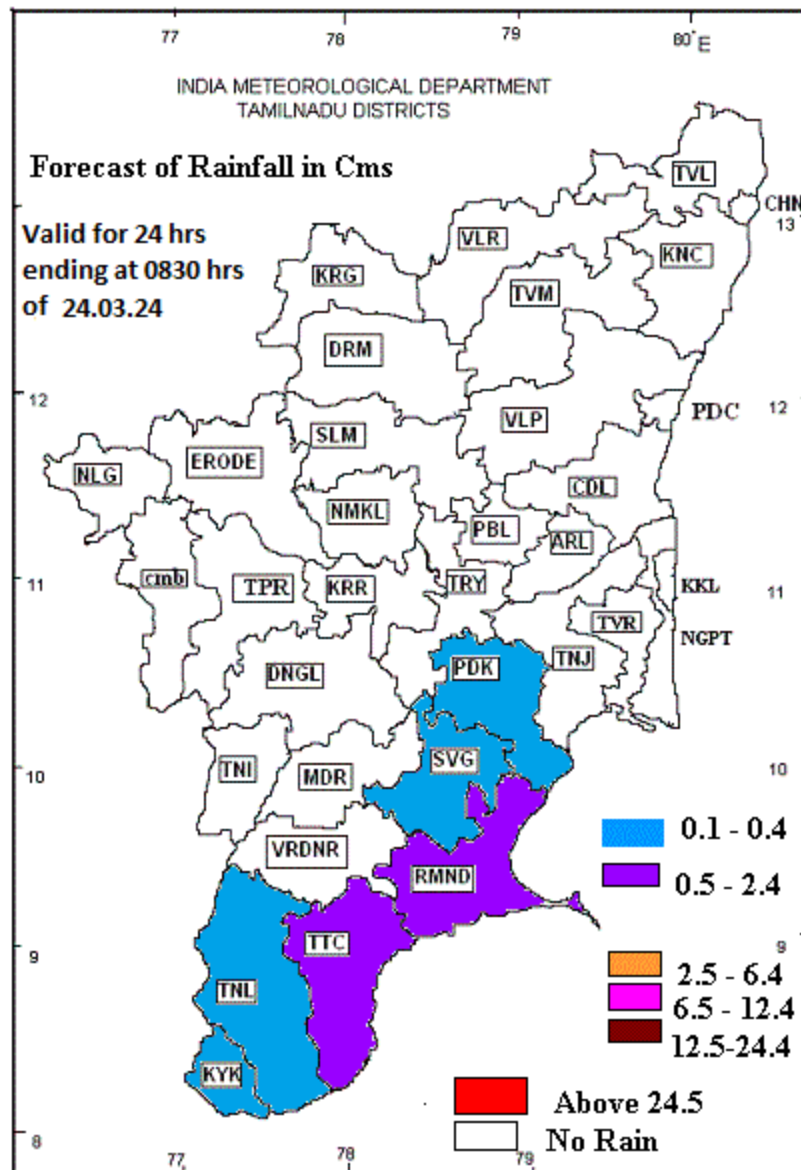
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 19.03.24
VALID FOR THE NEXT 5 DAYS**











District-wise Agromet Advisories

Chennai, Kancheepuram, Villupuram, Tiruvannamalai, Tiruvallur, Vellore and Cuddalore

SMS Advisory:

(20.03.2024-24.03.2024) Dry weather is very likely to prevail over Tamilnadu.

Livestock Advisory:

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

Agricultural advisory:

Rice:

To control leaf folder, spray chlorantraniliprole 18.5% SC @ 6mg per 10 litre of water. Spray 1% PPFM and incorporate the multiplied azolla insitu in the field for decomposition to release nitrogen.

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. Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray carbosulfan 400 ml/ac or cartap hydrochloride 600 g/ac during morning or evening hours.

Groundnut:

There are possibilities of early leaf spot infestation in groundnut. For management farmers are advised to spray Carbendazim 500 g/ha.

Banana:

To control wilt in banana, apply Bacillus subtilis and Trichoderma viride @ 2.5 kg/ha. or drenching with Bacillus subtilis 5 ml/litre. To overcome micro nutrient deficiency and to improve quality of banana fruit micronutrient plays a major role. Micro nutrient can be sprayed at 3,5 and 7 months after planting of banana.

Coconut:

Apply coconut husks with convex surface facing upwards (100 Nos.) or dried coconut leaves (15 Nos) or coir pith up to a height of 10 cm in the basin of 1.8 m radius around the palms as mulch for soil moisture conservation particularly during summer season. Husk burial can be done in coconut basins or in the interspaces to overcome drought and button shedding. Bury husks @ 100 Nos. with concave surface facing upwards or 25 kg of coir pith /palm in circular trenches, dug 30 cm width and 60 cm depth at 1.5 meters radius.

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 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.

In coconut there are possibilities of Rugose Spiraling whitefly infestation. For management farmers are advised to take up spray of Neem oil @ 3% .

Coimbatore

Agro Advisory

Crop	Stage	Advisory
General		Dry days with clear sky is expected during next week except 22 nd march with wind speed of 8-14 km/hr in western zone districts. Irrigation may be done based on soil moisture and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture. In case of limited irrigation water, dust mulch (top layer to a depth of 2-3 cm may be stirred well) to avoid moisture stress condition.
Sesamum	Vegetative	Prevailing high temperature is favourable for the sucking pest incidence in sesame hence farmers are requested to monitor the field, if necessary spray 5% Neem Seed Kernel Extract or neem based insecticides.
Sugarcane	Vegetative	Since higher temperature associated with low humidity is favourable for the early shoot borer incidence in sugarcane and hence farmers are requested to do frequent irrigation to keep the field under moist condition.
Vegetables	Vegetative	Since temperature starts increasing sucking pest like leaf minor, jassids may be increased. Hence spray 5% neem seed kernel extract as prophylactic spray or Spray Imidacloprid 17.8% SC @ 0.3 ml/litre.
Banana		Since wind speed is expected to go upto 14 kmph. Proper stacking may be provided to above 5 months old crop to avoid lodging of the crops.
Coconut		Attack of rhinoceros beetle is being observed in coconut. To avoid the pest damage, remove the tree top debris and keep the naphthalene balls @ 3 to 4 number per tree along with sand. The presence of slug caterpillar infestation is noticed in coconut farms. Monitor for the pest infestation and provide root feeding with monochrotophos @ 15 ml + 15 ml of water.
Fodder		Cultivate fodder sorghum / Cumbu Napier hybrid grass under irrigated condition to meet the summer green fodder requirement of milch animal during the summer to sustain milk productivity.
Animal Husbandry		Due to high temperature, do not allow the animals to graze during noon hours (11.00 – 04.00). Provide enough cool & clean drinking water. Increase the level of vitamins in the feed to increase the digestibility. Further vitamins like A, D, E & B may be increased in the drinking water. Rest the animals under the shade. Bath the cattle's in the noon hours to prevent heat-related issues. Considering the increasing temperature, artificial insemination to milch animals can be given between 7.00 to 10.00 Am. Vaccination against Peste des petits ruminants (Aattu kollai noi) may be done in the nearby veterinary hospital.
Poultry CET		Due to high temperature, Ventilation may be improved in sheds. Shading over sheds and hanging of wetted gunny bags around the poultry sheds. During noon hours it will be helpful for reducing the temperature inside

		the sheds.
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SMS advisory

Vaccination against Peste des petits ruminants (Aattu kollai noi) in livestock may be done in the nearby veterinary hospital.

Erode

Agro Advisory

Crop	Stage	Advisory
General		Dry days with clear sky is expected during next week except 22 nd march with wind speed of 8-14 km/hr in western zone districts. Irrigation may be done based on soil moisture and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture. In case of limited irrigation water, dust mulch (top layer to a depth of 2-3 cm may be stirred well) to avoid moisture stress condition.
Sesamum	Vegetative	Prevailing high temperature is favourable for the sucking pest incidence in sesame hence farmers are requested to monitor the field, if necessary spray 5% Neem Seed Kernel Extract or neem based insecticides.
Sugarcane	Vegetative	Since higher temperature associated with low humidity is favourable for the early shoot borer incidence in sugarcane and hence farmers are requested to do frequent irrigation to keep the field under moist condition.
Vegetables	Vegetative	Since temperature starts increasing sucking pest like leaf minor, jassids may be increased. Hence spray 5% neem seed kernel extract as prophylactic spray or Spray Imidacloprid 17.8% SC @ 0.3 ml/litre.
Banana		Since wind speed is expected to go upto 14 kmph. Proper stacking may be provided to above 5 months old crop to avoid lodging of the crops.
Coconut		Attack of rhinoceros beetle is being observed in coconut. To avoid the pest damage, remove the tree top debris and keep the naphthalene balls @ 3 to 4 number per tree along with sand. The presence of slug caterpillar infestation is noticed in coconut farms. Monitor for the pest infestation and provide root feeding with monochrotophos @ 15 ml + 15 ml of water.
Fodder		Cultivate fodder sorghum / Cumbu Napier hybrid grass under irrigated condition to meet the summer green fodder requirement of milch animal during the summer to sustain milk productivity.
Animal Husbandry		Due to high temperature, do not allow the animals to graze during noon hours (11.00 – 04.00). Provide enough cool & clean drinking water. Increase the level of vitamins in the feed to increase the digestibility. Further vitamins like A, D, E & B may be increased in the drinking water. Rest the animals under the shade. Bath the cattle's in the noon hours to prevent heat-related issues. Considering the increasing temperature, artificial insemination to milch animals can be given between 7.00 to 10.00 Am. Vaccination against Peste des petits ruminants (Aattu kollai noi) may be done in the nearby veterinary hospital.
Poultry CET		Due to high temperature, Ventilation may be improved in sheds. Shading over sheds and hanging of wetted gunny bags around the poultry sheds.

		During noon hours it will be helpful for reducing the temperature inside the sheds.
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SMS advisory

Vaccination against Peste des petits ruminants (Aattu kollai noi) in livestock may be done in the nearby veterinary hospital.

Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		Dry days with clear sky is expected during next week except 22nd march with wind speed of 8-14 km/hr in western zone districts. Irrigation may be done based on soil moisture and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture. In case of limited irrigation water, dust mulch (top layer to a depth of 2-3 cm may be stirred well) to avoid moisture stress condition.
Sugarcane	Vegetative	Since higher temperature associated with low humidity is favourable for the early shoot borer incidence in sugarcane and hence farmers are requested to do frequent irrigation to keep the field under moist condition.
Banana		Since wind speed is expected to go upto 14 kmph. Proper stacking may be provided to above 5 months old crop to avoid lodging of the crops.
Coconut		Attack of rhinoceros beetle is being observed in coconut. To avoid the pest damage, remove the tree top debris and keep the naphthalene balls @ 3 to 4 number per tree along with sand. The presence of slug caterpillar infestation is noticed in coconut farms. Monitor for the pest infestation and provide root feeding with monochrotophos @ 15 ml + 15 ml of water.
Fodder		Cultivate fodder sorghum / Cumbu Napier hybrid grass under irrigated condition to meet the summer green fodder requirement of milch animal during the summer to sustain milk productivity.
Animal Husbandry		Due to high temperature, do not allow the animals to graze during noon hours (11.00 – 04.00). Provide enough cool & clean drinking water. Increase the level of vitamins in the feed to increase the digestibility. Further vitamins like A, D, E & B may be increased in the drinking water. Rest the animals under the shade. Bath the cattle's in the noon hours to prevent heat-related issues. Considering the increasing temperature, artificial insemination to milch animals can be given between 7.00 to 10.00 Am. Vaccination against Peste des petits ruminants (Aattu kollai noi) may be done in the nearby veterinary hospital.
Poultry CET		Due to high temperature, Ventilation may be improved in sheds. Shading over sheds and hanging of wetted gunny bags around the poultry sheds. During noon hours it will be helpful for reducing the temperature inside the sheds.

SMS advisory

Vaccination against Peste des petits ruminants (Aattu kollai noi) in livestock may be done in the nearby veterinary hospital.

Ariyalur, Karur, Nagapattinam, Perambalur, Thanjavur, Tiruchirapalli and Tiruvarur

Agro Advisory

Crop	Stage	Advisory
General		Farmers can utilize the mobile apps viz., (TNAU AAS, Meghdoot and DAMINI), for more updated weather information.
Black gram	Sowing	ADT 5 black gram variety is suitable for summer season under irrigated condition.
Cotton		In rice fallow cotton, one hand weeding has to be given on 45 DAS. After 3 days of weeding top dressing fertilizer can be done along with earthing up.
Cattle	Cow	Due to increase in day temperature avoid animal grazing in hot hours of the day.

SMS advisory

ADT 5 black gram variety is suitable for summer season under irrigated condition.

Dindigul

SMS Advisory	Chances of Moderate rain on 22 Mar. Maximum temperature would be in the range of 37°C to 38°C and the minimum temperature would be between 24°C-25°C. Partly cloudy sky will appear for the next five days. Wind expected with the speed of 8-12 Kmph from, East & Northeast directions.
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General Advisory:

Livestock:

In order to overcome the fodder crisis during summer months, farmers are requested to allot 10 per cent of the irrigated land to fodder crops viz., Cumbu Napier Hybrid or any other fodder crops.

Agriculture:

Wind with the speed of 8 to 12 kmphs expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Weather Based Agro-Advisories: (Maize, Onion & Animal Husbandry).

Maize:

There is a chance of incense of Fall Armyworm in Maize fields. It spreads widely in the field. The larvae feed on the young growing shoots resulting in heavy shoot damage.

To control this install Pheromone trap @ 5-6 Nos per acre.

Also, Erect bird perches @ 10Nos.per acre.

Add Metarhizium Anisopliae or Beauveria Bassiana @ 70gms or 70ml per 10 litres of water with Jaggery @ 50gms and Sticky agent @ 10ml, stir well, remove the nozzle and spray the solution on the top of the shoot.

Or using the chemical method, spray the following insecticides Emamectin benzoate 5SG @10gm (Promactin) and Permethrin @ 25ml + 10ml Sticky agent with 10 litres of water, stir well and spray the solution on the top of the shoot during the non-rainy days.

Onion:

The incense of Botrytis leaf blight is noticed in Onion. The symptoms are seen on the foliage with hundreds of white specks.

The disease then spreads very rapidly and tops of the entire crop may be killed. Light infections do not affect yields but heavy infections cause major yield reductions.

To control spray Propineb70%WP @ 15gm + 10ml sticky agent with 10litres of water.

Animal Husbandry:

Farmers are advised to prevent Chicks from Chick diarrhea disease, keep the diseased chick separately, and care.

Allow the Chicks to drink the medicated water for 5 days during morning and evening hours with a combination of 1 litre of water with 5 ml of Vimeral syrup. and 2gm Microzal powder or 2gm Bacrisol powder.

Madurai

SMS Advisory	Chances of light rain on 21 & 22 Mar. Maximum temperature would be in the range of 37°C to 38°C and the minimum temperature would be between 24°C-25°C. Partly cloudy sky will appear for the next five days. Wind expected with the speed of 8-12 Kmph from, East & Northeast directions.
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General Advisory:

Livestock:

In order to overcome the fodder crisis during summer months, farmers are requested to allot 10 per cent of the irrigated land to fodder crops viz., Cumbu Napier Hybrid or any other fodder crops.

Agriculture:

Wind with the speed of 8 to 12 kmphis expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Weather Based Agro-Advisories: (Coconut, Paddy, & Animal Husbandry).

Coconut:

The incense of Leaf blight in Coconut. it causes serious damage to seedlings, leaves and nuts of adult palms. Generally, the adult leaves in the outer whorls are affected. The affected nuts were desiccated, shrunken, deformed and dropped prematurely resulting in nut yield loss of up to 10 to 25%.

The incidence will occur throughout the year and the maximum incidence will be observed during summer.

Remove and burn the severely affected leaves to avoid further spread.

To control apply 200g Pseudomonas fluorescens along with 50 kg of FYM + 5 kg of Neem cake /palm/year.

Spray 0.25% Copper oxychloride 2 times in 45-day intervals during summer months.

Paddy:

The application of Bio-fertilizer in Paddy will give good results.

Raise Azola as a dual crop by inoculating 250kg/ha 3 to 5 DAT and then incorporating it during weeding for the wet season crop.

Broadcast 10kg of soil-based powdered BGA flakes at 10 DAT and maintain a thin film of water for multiplication.

Animal Husbandry:

Farmers are advised to prevent Chicks from Chick diarrhea disease, keep the diseased chick separately, and care.

Allow the Chicks to drink the medicated water for 5 days during morning and evening hours with a combination of 1 litre of water with 5 ml of Vimeral syrup. and 2gm Microzal powder or 2gm Bactrisol powder.

Pudukottai

SMS Advisory	Chances of Moderate rain on 21, 23 Mar & light rain on 22, 24 Mar. Maximum temperature would be in the range of 36°C to 37°C and the minimum temperature would be between 24°C-25°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 6-15 Kmph from, Southeast & East directions.
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General Advisory:

Livestock:

In order to overcome the fodder crisis during summer months, farmers are requested to allot 10 per cent of the irrigated land to fodder crops viz., Cumbu Napier Hybrid or any other fodder crops.

Agriculture:

Wind with the speed of 6 to 15 kmphs expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Weather Based Agro-Advisories: (Bhendi, Watermelon & Animal Husbandry).

Bhendi:

There is the incense of Jassids attack in Bhendi crop. The symptoms are tender leaves becoming yellow, the margin of the leaves starting curling downwards and reddening.

severely infested leaves looking bronze colour which typical "hopper burn" symptom, leaf getting broken, crumbling and growth of the crop is retarded.

To control spray Imidacloprid 200 SL @ 100 ml/ha with spray fluid 500 litres /ha.

Watermelon: Due to the prevailing weather condition the incidence of Aphid is expected in Watermelon. The symptom of damages is nymphs and adults suck the sap of leaves. It leads to leaf wilting, flower dropping. Growth of the plants is hindered. To control, spray Verticillium lecanii @ 40gam + sticky agent @ 10ml with 10litres of water.

Animal Husbandry:

Farmers are advised to prevent Chicks from Chick diarrhea disease, keep the diseased chick separately, and care.

Allow the Chicks to drink the medicated water for 5 days during morning and evening hours with a combination of 1 litre of water with 5 ml of Vimeral syrup. and 2gm Microzal powder or 2gm Bactrisol powder.

Ramanathapuram

SMS Advisory	Chances of light rain on 21, 24 Mar & Moderate rain on 23 Mar. Maximum temperature would be in the range of 36°C to 37°C and the minimum temperature would be between 23°C-24°C. Partly cloudy sky will appear for the next five days. Wind expected with the speed of 10-12 Kmph from, East & Northeast directions.
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General Advisory:

Livestock:

In order to overcome the fodder crisis during summer months, farmers are requested to allot 10 per cent of the irrigated land to fodder crops viz., Cumbu Napier Hybrid or any other fodder crops.

Agriculture:

Wind with the speed of 10 to 12 kmphs expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Weather Based Agro-Advisories: (Chilly, Tomato & Animal Husbandry).

Chilly:

The incidence of Muranai mites is expected in Chilly. The symptom of damage are downward curling and crinkling of leaves, leaves with elongated petioles and stunted growth of the plant.

To control install 12 Nos. of blue colour sticky traps and 12 Nos. of yellow colour sticky traps per acre on the same pole and as per the height of plants.

Also spread 25 Kg of Neem cake powder or Neem Kernel powder per Acre.

Tomato:

Due to prevailing weather condition the incense of Serpentine leaf miner in Tomato. The symptoms are tomato leaves seen with serpentine mines. Drying and dropping of leaves, minute orange yellowish apodous maggots. yellowish brown pupates seen within the mines.

Collect and destroy mined leaves and Spray NSKE 500 ml.

Animal Husbandry:

Farmers are advised to prevent Chicks from Chick diarrhea disease, keep the diseased chick separately, and care.

Allow the Chicks to drink the medicated water for 5 days during morning and evening hours with a combination of 1 litre of water with 5 ml of Vimeral syrup. and 2gm Microzal powder or 2gm Bactrisol powder.

Sivagangai

SMS Advisory	Chances of Moderate rain on 21, 23 Mar & light rain on 22, 24 Mar. Maximum temperature would be in the range of 37°C to 38°C and the minimum temperature would be between 24°C-25°C. Partly cloudy sky will appear for the next five days. Wind expected with the speed of 8-12 Kmph from, East & Northeast directions.
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General Advisory:

Livestock:

In order to overcome the fodder crisis during summer months, farmers are requested to allot 10 per cent of the irrigated land to fodder crops viz., Cumbu Napier Hybrid or any other fodder crops.

Agriculture:

Wind with the speed of 8 to 12 kmph is expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Weather Based Agro – Advisories: (Important Crops: Brinjal, Mango & Animal Husbandry)

Brinjal:

Due to the prevailing weather conditions, the occurrence of the Lacewing bug may be expected in the Brinjal crop.

The symptoms appear on leaves. The leaves become yellow and the affected leaves are covered with exuviae and excreta.

To control spray Imidachlopride @ 15ml per tank.

Mango:

The incidence of Grey Blight is expected in Mango. The symptoms of damage appear on leaves. Brown spots develop on the margin and at the tip of the leaf lamina. They increase in size and become dark brown.

To control this, spray Copper oxychloride @ 30 gm + Cartap hydro chloride @ 20gm + sticky agent @ 10ml with 10 litres of water.

Animal Husbandry:

Farmers are advised to prevent Chicks from Chick diarrhea disease, keep the diseased chick separately, and care.

Allow the Chicks to drink the medicated water for 5 days during morning and evening hours with a combination of 1 litre of water with 5 ml of Vimeral syrup. and 2gm Microzal powder or 2gm Bactrisol powder.

Theni

SMS Advisory	Chances of light rain on 22 Mar. Maximum temperature would be in the range of 36°C to 37°C and the minimum temperature would be between 23°C-24°C. Partly cloudy sky will appear for the next five days. Wind expected with the speed of 8-12 Kmph from, East & Northeast directions.
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General Advisory:

Livestock:

In order to overcome the fodder crisis during summer months, farmers are requested to allot 10 per cent of the irrigated land to fodder crops viz., Cumbu Napier Hybrid or any other fodder crops.

Agriculture:

Wind with the speed of 8 to 12 kmph is expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Weather Based Agro-Advisories: (Sugarcane, Banana & Animal Husbandry)

Sugarcane:

The incidence of whiteflies and mites was noticed in Sugarcane. Farmers are advised to adopt the following management practices to reduce the damage.

1. Waterlogging should be avoided in the fields.
2. Detrashing should be done at grand growth phases during 5th and 7th month after planting.
3. Judicious application of nitrogenous fertilizers.

Banana:

Banana cultivating farmers are advised to earth up the soil at bi-monthly intervals, it will facilitate the better establishment of banana plants.

De-suckering should be done carefully at monthly intervals.

The dry and diseased leaves have to be removed and burned to control the spread of leaf spot diseases.

Animal Husbandry:

Farmers are advised to prevent Chicks from Chick diarrhea disease, keep the diseased chick separately, and care.

Allow the Chicks to drink the medicated water for 5 days during morning and evening hours with a combination of 1 litre of water with 5 ml of Vimeral syrup. and 2gm Microzal powder or 2gm Bacrisol powder.

Virudhunagar

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Very light to light rainfall is predicted for day 2 to day 4. Hence, farmers are requested to postponed the irrigation.
Rainfed / irrigated crops	Plant protection	Based on the local weather prevail, farmers are requested to decide for spraying.
Paddy	Transplanting stage	Expected rainfall, farmers are requested to maintain the water level in paddy and provide drainage facilities for pulse to avoid water stagnation. Avoid application of fertilizer to avoid wastage.
Pulses (Black gram/ green gram)	Sowing	
Chilli	Fruit formation	Morning relative humidity may persist with fruit rot and die back diseases. Spraying of wettable sulphur 0.2% (or) copper oxychloride 0.25% not only reduced the disease incidence but also increase the yield of fruits.
Jasmine	Flowering stage	Dry weather may induce Budworm. Spray Neem Seed Kernal Extract 5%.
Livestock	Diseases forecast for the month of March	African Swine Fever – Cattle, goat and sheep – Very high risk Sheep & Goat pox – Cattle, goat and sheep – Very high risk A Serious viral disease of goats commonly occurring in summer. The disease spread by direct contact and contaminated feed and water. Treatment: Boric acid and glycerin paste can be applied over the skin lesions. Antibiotics should be given for 3-5 days. Contact nearby Veterinary hospital.
	Temperature	To reduce the heat load in livestock, use of water sprinklers or misters can be useful to cool
Human	Temperature	Heat gain in the human body result to cascade of illnesses, including heat cramps, heat exhaustion, heatstroke, and hyperthermia. So requested to drink some water or fruit juice to rehydrate.

SMS: Rain: 21-23:2,6&6mm. Avoid irrigation and application of fertilizer. Based on the local weather spraying may be practiced. Human and animals - Heat stress- intake of water frequently.

Tamil Nadu		
Weather forecast	Next five days	Dry weather is very likely to prevail over Tamilnadu, Puducherry & Karaikal area on Day 1 (20.03.2024). Light to Moderate rain is likely to occur at one or two places over

		Tamilnadu, Puducherry and Karaikal area from Day 2 (21.03.2024) to Day 5 (24.03.2024).
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Tirunelveli

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Very light to light rainfall is predicted on day 3 to day 5. Farmers are advised to postpone the irrigation.
rainfed / irrigated crops	Plant protection	Based on the local weather prevail, farmers are requested to decide for spraying.
Paddy	Harvest	Harvested produce such as paddy and straw may be well dried and kept safe to avoid fungal infection.
Livestock	Diseases forecast for the month of March	Goat pox: A Serious viral disease of goats commonly occurring in summer. The disease spread by direct contact and contaminated feed and water. Prevention: Annual revaccination should be done at the time of Feb-March. Treatment: Boric acid and glycerin paste can be applied over the skin lesions. Antibiotics should be given for 3-5 days. Contact near by Veterinary hospital.
	Temperature	Reduce the heat load in livestock, use of water sprinklers or misters can be useful to cool
Human	Temperature	Heat gain in the human body result to cascade of illnesses, including heat cramps, heat exhaustion, heatstroke, and hyperthermia. So requested to drink some water or fruit juice to rehydrate.

SMS: Rain: 22-24.03:8,3&2mm. Avoid irrigation & spraying. Paddy grain & straw may be dried well & stored properly. Human and animals -Heat stress- intake of water frequently.

Tamil Nadu		
Weather forecast	Next five days	Dry weather is very likely to prevail over Tamilnadu, Puducherry & Karaikal area on Day 1 (20.03.2024). Light to Moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area from Day 2 (21.03.2024) to Day 5 (24.03.2024).

Thoothukudi

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Light rainfall is predicted on day 3 to day 5. Farmers are advised to postpone the irrigation.
Plant protection	Plant protection	Based on the local weather prevail, farmers are requested to decide for spraying.
Paddy	Tillering stage	Expected rainfall, farmers are requested to maintain the water level. Avoid application of fertilizer to avoid wastage
Chilli	Fruit formation and harvest	Dry weather may persist with fruit rot and die back diseases. Chemicals like wettable sulphur 0.2% (or) copper oxychloride 0.25% not only reduced the disease incidence but also increased the yield of fruits.
Livestock	Diseases forecast	Haemorrhagic septicaemia-cattle, goat and sheep-high risk-

	for the month of March	Preventive Measures: Affected animals May be treated with suitable antibiotics. Vaccination to be done in consultation with the veterinarians and as decided by state animal husbandry authorities. Strict biosecurity measures May be followed. Carcass May be disposed hygienically and stress factors May be reduced by good animal husbandry practices
	Temperature	Reduce the heat load in livestock, use of water sprinklers or misters can be useful to cool
Human	Temperature	Heat gain in the human body result to cascade of illnesses, including heat cramps, heat exhaustion, heatstroke, and hyperthermia. So requested to drink some water or fruit juice to rehydrate.

SMS: Rain: 22-24.03: 8,10&10mm. Avoid irrigation and application of fertilizer. Based on the local weather spraying may be practiced. Human and animals - Heat stress- intake of water frequently.

Tamil Nadu		
Weather forecast	Next five days	Dry weather is very likely to prevail over Tamilnadu, Puducherry & Karaikal area on Day 1 (20.03.2024). Light to Moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area from Day 2 (21.03.2024) to Day 5 (24.03.2024).

Salem

Weather Advisory Bulletin for livestock, poultry and agro advisory

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	As summer begins and day temperature reached 38.0°C, there is generally stress observed in layers. Vagaries of temperatures on the same day leads to a greater stress in layers and this results in reduced feed intake, reduced egg production, defective egg shell quality and finally compromised disease immunity. To avoid these, addition of Vitamin C, Amino acids and Sodium bi carbonate (1 – 1.5 kg / ton) is recommended. Also avoid encouraging feed intake between high temperature timings ie between 11 Am and 4 Pm which provides rest to the laying birds.
Livestock	General	Allow the livestock especially milch, pregnant animals, adult sheep and goat for grazing during cooler parts of the day (6.30 am to 10 am and 4.30 pm to 6.30 pm). During hot hours of the day, it is better to keep the animals in sheds or shadowed areas in order to prevent the stress developed by high temperature. Wash the dairy animals twice or thrice a day with cool water.
Agro advisory from Krishi Vigyan Kendra		
Arecanut	Vegetative stage	To control the loses of moisture from the soil and also build up nitrogen content in soil, farmers are requested to sow cowpea as intercrop in arecanut field.
Tapioca	Vegetative stage	Due to change in climate mealy bug incidence has been reported in Tapioca crop. To control this, foliar spraying of neem oil 3 ml and adjuvant 1ml in 1 litre of water can be done for 2 times at 15 days interval. Also, field release of Anagyrus lopezi parasitoid @ 200 numbers / acre can be undertaken.
Cucurbitaceous vegetableS	Vegetative stage	Due to increase of temperature in the forthcoming days farmers are advised to mulch around the basin of the cucurbitaceous vegetable crops with dried leaves and grass to

		conserve the soil moisture as well as to increase the growth performance.
Mango	Fruiting stage	To reduce the fruit drop and increase the yield in mango give foliar spraying with mango special @ 5 gram / litre of water along with shampoo and lemon juice.
Coconut	Vegetative stage	Due to current weather condition, button shedding occurred in coconut trees. This may result in chances of yield loss. Hence, farmers are advised to apply farm waste (or) crop residue around the coconut tree and irrigate around the tree. Also, give root feeding of coconut tonic @ 200 ml / tree in 3 months interval to avoid button shedding in coconut.

Namakkal

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	As summer begins and day temperature reached 38.0°C, there is generally stress observed in layers. Vagaries of temperatures on the same day leads to a greater stress in layers and this results in reduced feed intake, reduced egg production, defective egg shell quality and finally compromised disease immunity. To avoid these, addition of Vitamin C, Amino acids and Sodium bi carbonate (1 – 1.5 kg / ton) is recommended. Also avoid encouraging feed intake between high temperature timings ie between 11 Am and 4 Pm which provides rest to the laying birds.
Livestock	General	Allow the livestock especially milch, pregnant animals, adult sheep and goat for grazing during cooler parts of the day (6.30 am to 10 am and 4.30 pm to 6.30 pm). During hot hours of the day, it is better to keep the animals in sheds or shadowed areas in order to prevent the stress developed by high temperature. Wash the dairy animals twice or thrice a day with cool water.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Arecanut	Vegetative stage	To control the loses of moisture from the soil and also build up nitrogen content in soil, farmers are requested to sow cowpea as intercrop in arecanut field.
Tapioca	Vegetative stage	Due to change in climate mealy bug incidence has been reported in Tapioca crop. To control this, foliar spraying of neem oil 3 ml and adjuvant 1ml in 1 litre of water can be done for 2 times at 15 days interval. Also, field release of Anagyrus lopezi parasitoid @ 200 numbers / acre can be undertaken.
Cucurbitaceous vegetableS	Vegetative stage	Due to increase of temperature in the forthcoming days farmers are advised to mulch around the basin of the cucurbitaceous vegetable crops with dried leaves and grass to conserve the soil moisture as well as to increase the growth performance.
Mango	Fruiting stage	To reduce the fruit drop and increase the yield in mango give foliar spraying with mango special @ 5 gram / litre of water along with shampoo and lemon juice.
Coconut	Vegetative stage	Due to current weather condition, button shedding occurred in coconut trees. This may result in chances of yield loss. Hence, farmers are advised to apply farm waste (or) crop residue around the coconut tree and irrigate around the tree. Also, give root feeding of coconut tonic @ 200 ml / tree in 3 months interval to avoid button shedding in coconut.

Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	As summer begins and day temperature reached 38.0°C, there is generally stress observed in layers. Vagaries of temperatures on the same day leads to a greater stress in layers and this results in reduced feed intake, reduced egg production, defective egg shell quality and finally compromised disease immunity. To avoid these, addition of Vitamin C, Amino acids and Sodium bi carbonate (1 – 1.5 kg / ton) is recommended. Also avoid encouraging feed intake between high temperature timings ie between 11 Am and 4 Pm which provides rest to the laying birds.
Livestock	General	Allow the livestock especially milch, pregnant animals, adult sheep and goat for grazing during cooler parts of the day (6.30 am to 10 am and 4.30 pm to 6.30 pm). During hot hours of the day, it is better to keep the animals in sheds or shadowed areas in order to prevent the stress developed by high temperature. Wash the dairy animals twice or thrice a day with cool water.
Agro advisory from Krishi Vigyan Kendra		
Arecanut	Vegetative stage	To control the loses of moisture from the soil and also build up nitrogen content in soil, farmers are requested to sow cowpea as intercrop in arecanut field.
Tapioca	Vegetative stage	Due to change in climate mealy bug incidence has been reported in Tapioca crop. To control this, foliar spraying of neem oil 3 ml and adjuvant 1ml in 1 litre of water can be done for 2 times at 15 days interval. Also, field release of Anagyrus lopezi parasitoid @ 200 numbers / acre can be undertaken.
Cucurbitaceous vegetableS	Vegetative stage	Due to increase of temperature in the forthcoming days farmers are advised to mulch around the basin of the cucurbitaceous vegetable crops with dried leaves and grass to conserve the soil moisture as well as to increase the growth performance.
Mango	Fruiting stage	To reduce the fruit drop and increase the yield in mango give foliar spraying with mango special @ 5 gram / litre of water along with shampoo and lemon juice.
Coconut	Vegetative stage	Due to current weather condition, button shedding occurred in coconut trees. This may result in chances of yield loss. Hence, farmers are advised to apply farm waste (or) crop residue around the coconut tree and irrigate around the tree. Also, give root feeding of coconut tonic @ 200 ml / tree in 3 months interval to avoid button shedding in coconut.

Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	As summer begins and day temperature reached 38.0°C, there is generally stress observed in layers. Vagaries of temperatures on the same day leads to a greater stress in layers and this results in reduced feed intake, reduced egg production, defective egg shell quality and finally compromised disease immunity. To avoid these, addition of Vitamin C, Amino acids and Sodium bi carbonate (1 – 1.5 kg / ton) is recommended.

		Also avoid encouraging feed intake between high temperature timings ie between 11 Am and 4 Pm which provides rest to the laying birds.
Livestock	General	Allow the livestock especially milch, pregnant animals, adult sheep and goat for grazing during cooler parts of the day (6.30 am to 10 am and 4.30 pm to 6.30 pm). During hot hours of the day, it is better to keep the animals in sheds or shadowed areas in order to prevent the stress developed by high temperature. Wash the dairy animals twice or thrice a day with cool water.
Agro advisory from Krishi Vigyan Kendra		
Arecanut	Vegetative stage	To control the loses of moisture from the soil and also build up nitrogen content in soil, farmers are requested to sow cowpea as intercrop in arecanut field.
Tapioca	Vegetative stage	Due to change in climate mealy bug incidence has been reported in Tapioca crop. To control this, foliar spraying of neem oil 3 ml and adjuvant 1ml in 1 litre of water can be done for 2 times at 15 days interval. Also, field release of Anagyrus lopezi parasitoid @ 200 numbers / acre can be undertaken.
Cucurbitaceous vegetableS	Vegetative stage	Due to increase of temperature in the forthcoming days farmers are advised to mulch around the basin of the cucurbitaceous vegetable crops with dried leaves and grass to conserve the soil moisture as well as to increase the growth performance.
Mango	Fruiting stage	To reduce the fruit drop and increase the yield in mango give foliar spraying with mango special @ 5 gram / litre of water along with shampoo and lemon juice.
Coconut	Vegetative stage	Due to current weather condition, button shedding occurred in coconut trees. This may result in chances of yield loss. Hence, farmers are advised to apply farm waste (or) crop residue around the coconut tree and irrigate around the tree. Also, give root feeding of coconut tonic @ 200 ml / tree in 3 months interval to avoid button shedding in coconut.

Karaikal

Agro Advisory

Crop/livestock	Stage/Particulars	Agro Advisory
Blackgram/ Greengram	Flowering and pod development	To manage powdery mildew in blackgram spray Propiconazole @ 1 ml/l or Carbendazim @ 1 ml/l.
	Leaf Crinkle	To manage leaf crinkle disease in green gram, control the white fly (vector of leaf crinkle) by spraying thiamethoxam 25 WG @ 0.2 g/l.
Cotton	Vegetative growth	To manage weeds in cotton, apply post emergence herbicide pyriithiobac sodium @ 62.5g a.i./ha + quizalofop ethyl @ 50 g a.i./ha at 20-25 DAS.
Brinjal	Phomopsis blight	To manage Phomopsis blight in brinjal, spray Pseudomonas fluorescens or Bacillus subtilis @ 5g or 5ml/ l.
Cattle	Babesiasis	In cattle, as a preventive measure for Babesiasis disease, apply Butox @ 2 ml/l of water on cattle and also spray it on the nearby areas of the cattle shed to control ectoparasites.

SMS: Light rain is expected on 21st and 22nd March.

Puducherry

Agro Advisory

Crop	Stage/ Particulars	Agro Advisory
Blackgram / Greengram		To manage yellow mosaic virus disease in black gram and green gram, spray Methyldematon 25%EC 1ml/l or Dimethoate 30%EC 1ml/l to manage vectors like whitefly and aphids.
		To manage powdery mildew in blackgram spray Propiconazole @ 1 ml/l or Carbendazim @ 1 ml/l.
Groundnut -Pegging		In groundnut crop apply gypsum 200kg + borax 10 kg and earthing up on 45 DAS for improving flowering and pod formation.
Brinjal - Phomopsis blight		To manage Phomopsis blight in brinjal, spray Pseudomonas fluorescens or Bacillus subtilis @ 5g or 5ml/ l.
Babesiasis		In cattle, as a preventive measure for Babesiasis disease, apply Butox @ 2 ml/l of water on cattle and also spray it on the nearby areas of the cattle shed to control ectoparasites.
Sheep and goat pox		There is a chance of occurrence of sheep and goat pox in summer season. Hence, to prevent the pox, sheep and goat should be vaccinated before summer.

