



तमिलनाडु के लिए राज्य स्तरीय समग्र कृषि-मौसम परामर्श
बुलेटिन



**State Composite Agro-meteorological Advisory
Bulletin for Tamil Nadu and Puducherry
Bulletin No. 031/2024**

For the period 0830 IST, 16th April 2024 to

0830 IST, 21st April 2024

Issued on Tuesday, 16th April 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 Thoothukudi	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 12.04.24 to 15.04.24 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range **31°C – 40°C** prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range **19°C – 26°C** during the period.

Minimum temperature of range **22°C - 29°C** prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range **10°C - 15°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)	13.04.24	--
Isolated (One or Two Places)	12.04.24, 14.04.24 & 15.04.24	--
Dry	--	12.04.24 to 15.04.24

Chief Amounts of Rainfall (in cms):-

12.04.24 : Coonoor PTO (dist The Nilgiris) 12, Coonoor (dist The Nilgiris) 9, Servalar Dam (dist Tirunelveli) 8, Manjolai (dist Tirunelveli), Kakkachi (dist Tirunelveli), Adar Estate (dist The Nilgiris), Oothu (dist Tirunelveli) 7 each, Nalumukku (dist Tirunelveli) 6, Billimalai Estate (dist The Nilgiris) 5, Alakarai Estate (dist The Nilgiris), Kothagiri (dist The Nilgiris) 4 each, Burliar (dist The Nilgiris), Papanasam (dist Tirunelveli), Kunda Bridge (dist The Nilgiris), Chamraj Estate (dist The Nilgiris) 3 each, Karuppanadhi Dam (dist Tenkasi), Adavinainnarkoil Dam (dist Tenkasi), Thenkasi AWS (dist Tenkasi) 2 each, Thenkasi (dist Tenkasi), Manimutharu (dist Tirunelveli), Ayikudi (dist Tenkasi), Valinokam (dist Ramanathapuram), Geddai (dist The Nilgiris), Ramanadhi Dam Section (dist Tenkasi), Valangaiman (dist Thiruvarur), Pamban (dist Ramanathapuram), Kannadaian Anicut (dist Tirunelveli), Mukkadal Dam (dist Kanniyakumari), Mandapam (dist Ramanathapuram) 1 each.

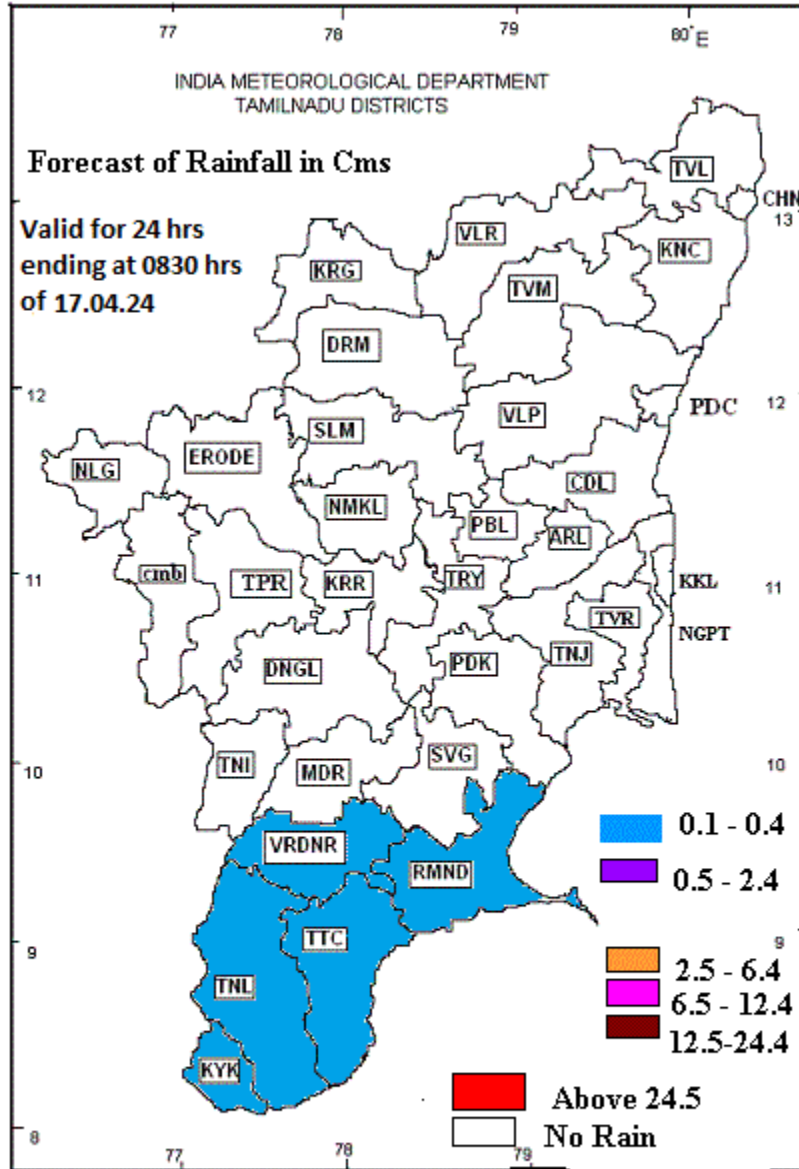
13.04.24 : Sivakasi (dist Virudhunagar) 7, Bodinaickanur (dist Theni), Coonoor (dist The Nilgiris), Coonoor PTO (dist The Nilgiris) 6 each, Echanviduthi (dist Thanjavur), Billimalai Estate (dist The Nilgiris) 5 each, Vembakottai (dist Virudhunagar), Kil Kotagiri Estate (dist The Nilgiris), Peraiyur (dist Madurai) 4, Singampunari (dist Sivagangai), Kariyapatti (dist Virudhunagar), Virudunagar AWS (dist Virudhunagar), Srivilliputhur (dist Virudhunagar) 4 each, Kakkachi (dist Tirunelveli), Manjolai (dist Tirunelveli), Oothu (dist Tirunelveli), Vettikadu (dist Thanjavur), Periyakulam (dist Theni), Pulipatti (dist Madurai), Geddai (dist The Nilgiris), Aralvaimozhi (dist Kanniyakumari), Ramanadhi Dam Section (dist Tenkasi),

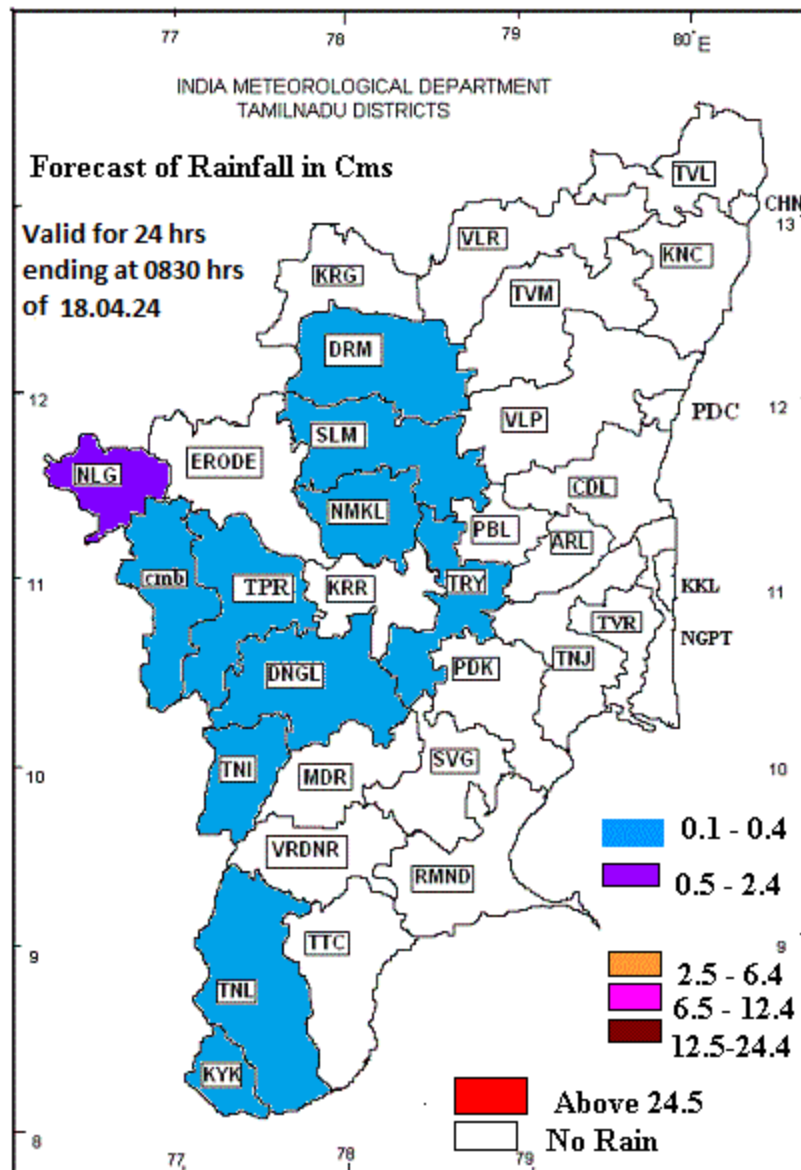
Ambasamudram (dist Tirunelveli), Thirupathisaram AWS (dist Kanniyakumari), Nagercoil (dist Kanniyakumari) , Manjalar (dist Theni), Sattur (dist Virudhunagar), Pillur Dam Mettupalayam (dist Coimbatore), Virudhunagar (dist Virudhunagar), Sothuparai (dist Theni), Ayikudi (dist Tenkasi) 3 each, Radhapuram (dist Tirunelveli), Melur (dist Madurai), Nalumukku (dist Tirunelveli), Kamatchipuram (dist Dindigul), Mettupatti (dist Madurai), Kovilpatti (dist Thiruchirappalli), Kinnakorai (dist The Nilgiris), Papanasam (dist Tirunelveli), Thuraiyur (dist Thiruchirappalli), Thenkasi (dist Tenkasi), Periyapatti (dist Madurai), Kurungulam (dist Thanjavur), Mukkadal Dam (dist Kanniyakumari), Rajapalayam (dist Virudhunagar), Kodaikanal (dist Dindigul), Kannadaian Anicut (dist Tirunelveli), Balamore (dist Kanniyakumari), Karuppanadhi Dam (dist Tenkasi), Kalakadu (dist Tirunelveli) 2 each, Keeranur (dist Pudukkottai), Kunderipallam (dist Erode), Manimutharu (dist Tirunelveli), Colachel (dist Kanniyakumari), Tallakulam (dist Madurai) , Perunchani Dam (distKanniyakumari), Manamelkudi (dist Pudukkottai), Ayyampettai (dist Thanjavur), Budalur (dist Thanjavur), Adiramapattinam (dist Thanjavur), Adirampatnam (dist Thanjavur), Kothagiri (dist The Nilgiris), Sivagiri (dist Tenkasi), Mambzhathuraiyaru (dist Kanniyakumari), Puthan Dam (dist Kanniyakumari), Bhoothapandy (dist Kanniyakumari), Chamraj Estate (dist The Nilgiris), Kodumudiyaru Dam (dist Tirunelveli), Kallandri (dist Madurai), Natham (dist Dindigul), Burliar (dist The Nilgiris), Kanniyakumari (dist Kanniyakumari), Anaikedanku (dist Kanniyakumari), Chittampatti (dist Madurai), Alangudi (dist Pudukkottai), Alakarai Estate (dist The Nilgiris), Madurai Airport (dist Madurai), Kamudhi (dist Ramanathapuram), Viraganur Dam (dist Madurai), Dindigul (dist Dindigul), Suralacode (dist Kanniyakumari), Mylaudy (dist Kanniyakumari), Tirumayam (dist Pudukkottai), Thuckalay (dist Kanniyakumari), Adar Estate (dist The Nilgiris), Cheranmahadevi (dist Tirunelveli) 1 each.

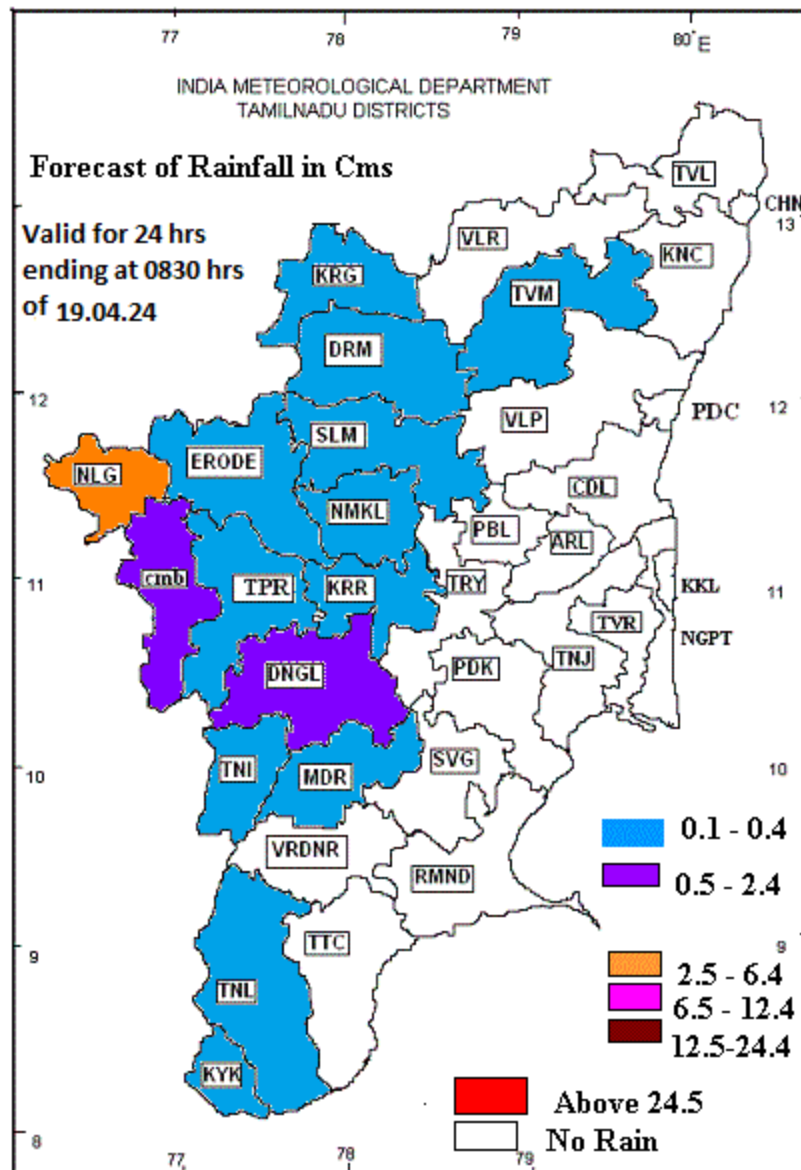
14.04.24 : Kovilankulam (dist Virudhunagar) 4, Karuppanadhi Dam (dist Tenkasi), Echanviduthi (dist Thanjavur), Virudhunagar (dist Virudhunagar), Pulipatti (dist Madurai) 3 each, Kayalpattinam (dist Thoothukudi), Marungapuri (dist Thiruchirappalli), Thiruchendur AWS (dist Thoothukudi), Elumalai (dist Madurai), Tiruchendur (dist Thoothukudi), Kodaikanal Boat Club (dist Dindigul) 2 each, Tirumangalam (dist Madurai), Periyakulam (dist Theni), Kariyapatti (dist Virudhunagar), Tallakulam (dist Madurai), Chittampatti (dist Madurai), Nalumukku (dist Tirunelveli), Mimisal (dist Pudukkottai), Sivakasi (dist Virudhunagar), Kulasekarapattinam (dist Thoothukudi), Thangachimadam (dist Ramanathapuram), Alangudi (dist Pudukkottai), Virudunagar AWS (dist Virudhunagar), Madurai city (dist Madurai), Madurai North (dist Madurai), Geddai (dist The Nilgiris), Sathankulam (dist Thoothukudi), Manjolai (dist Tirunelveli) 1 each.

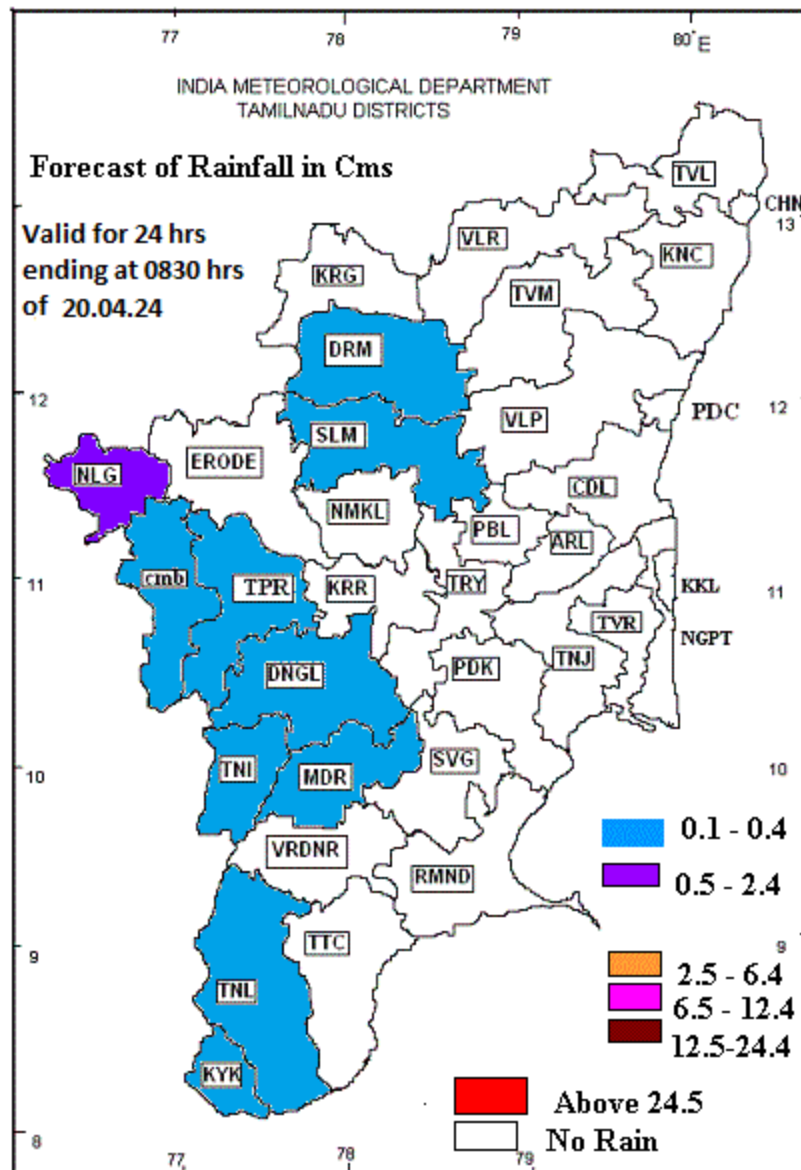
15.04.24 : Eraniel (dist Kanniyakumari), Manjolai (dist Tirunelveli) 3 each, Thiruchendur AWS (dist Thoothukudi), Nalumukku (dist Tirunelveli), Colachel (dist Kanniyakumari), Kakkachi (dist Tirunelveli) 2 each, Kodumudiyaru Dam (dist Tirunelveli), Kurunthancode (dist Kanniyakumari), Cheranmahadevi (dist Tirunelveli) 1 each.

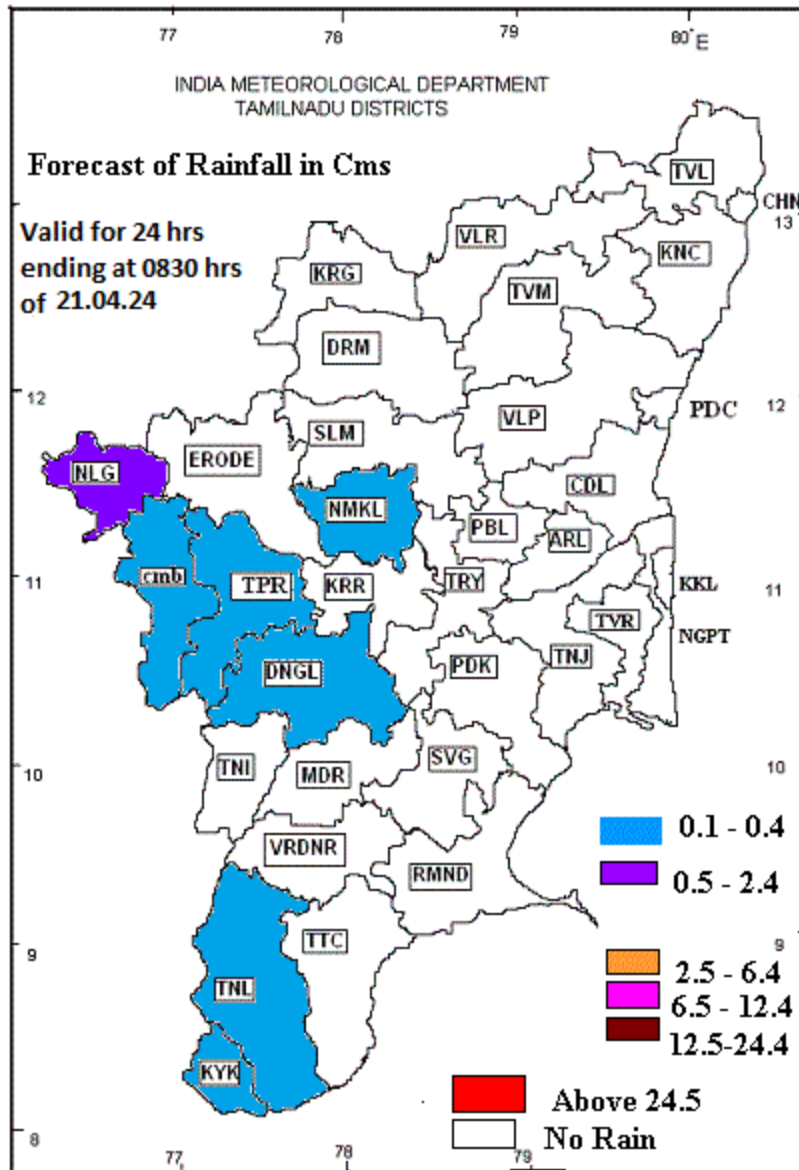
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 16.04.24
VALID FOR THE NEXT 5 DAYS**











District-wise Agromet Advisories

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

SMS Advisory:

(17.04.2024-21.04.2024) Dry weather is very likely to prevail over rest Tamilnadu.

Livestock Advisory:

1. Under prevailing conditions due to warmer air temperature during day time the livestock especially dairy cattle must not be allowed for grazing to avoid heat stress.
2. The dairy cattle must be provided with shelter facilitated with heat amelioration measures to prevent drip in lactation due to heat stress. Measures such as fogging/misting may be provided during the noon hours.
3. The high yielding cross breed dairy cattle must be provided with succulent green fodder but at the same time the dry matter should be maintained 7 to 8 % of body weight.
4. The dairy buffaloes are very much prone to summer sub fertility, due to higher ambient air temperature. To prevent this proper sheltering with cooling facility are necessary.
5. In rabbits during summer to reduce the heat stress one crushed gooseberry per litre of water may be given.
6. For layers to prevent heat stress 0.25% of sodium carbonate could be mixed in drinking water.
7. To prevent heat stress in poultry the feeding time can be divided into 4 to 5 times per day.

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.

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.

Harvest the matured paddy crops and store in safe places.

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.

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.

A tonic with nutrients and growth regulators for sugarcane spray the TNAU sugarcane Booster at 45, 60 and 75 days after planting spray booster at 1kg 1.5kg and 2kg respectively and add required quantity of sticking agent.

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 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.

Apply coconut husks with convex surface facing upwards (100 Nos) or dried coconut leaves (15 Nos) or coir pith upto a height of 10 cm in the basin of 1.8 meter radius around the palms as much for soil moisture conservation particularly during summer season.

Coimbatore

Agro Advisory

Crop	Stage	Advisory
General		Drizzling to light rainfall is expected and few places along the western Ghat may get summer rainfall with wind speed of 8-14 km/hr. Rising temperature may bring summer rain during afternoon hours with lightening and thunders. Irrigation may be done based on soil moisture and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture. Plan for summer ploughing against the slope with soil inverting type ploughs.
Sugarcane	Vegetative	Since continuous dry weather prevailed in some parts of the district is favourable for the early shoot borer attack in sugarcane hence farmers are requested to do irrigation frequently and do mulching if rain is not occurred.
Banana		Considering the local circulation due to increased temperature and expected summer rains, provide propping to the banana of more than five months old to prevent from lodging.
Coconut		Summer rains during next two months may be harvested in root zone of coconut by deepening the tree basin with inward slopes. Till then, ensure to provide 100 liters of water per tree per day to maintain the productivity.
Animal Husbandry		Increasing temperature and decreasing relative humidity may cause discomfort to the animals. Hence, provide clean water to both animals and poultry. To avoid the heat stress to animals feed the animal during night or early morning or late evening hours. Summer rains may occur as thunder storm during the afternoon hours. Safeguard the animals.

SMS advisory

By utilizing the light rainfall, summer ploughing against the slope may be done with soil inverting type ploughs to arrest erosion and harvest water in root zone.

Erode

Agro Advisory

Crop	Stage	Advisory
General		Drizzling to light rainfall is expected and few places along the western Ghat may get summer rainfall with wind speed of 8-14 km/hr. Rising temperature may bring summer rain during afternoon hours with lightening and thunders. Irrigation may be done based on soil moisture and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture. Plan for summer ploughing against the slope with soil inverting type ploughs.

Sugarcane	Vegetative	Since continuous dry weather prevailed in some parts of the district is favorable for the early shoot borer attack in sugarcane hence farmers are requested to do irrigation frequently and do mulching if rain is not occurred.
Tapioca	Vegetative	Prevailing dry weather situation is favorable for spiraling white fly in tapioca and hence farmers are requested to monitor the crop carefully and keep yellow sticky trap in 5 to 6 places / ac or spray preferphos @2ml or Acephate @ 2gm/ liter of water.
Banana		Considering the local circulation due to increased temperature and expected summer rains, provide propping to the banana of more than five months old to prevent from lodging.
Coconut		Summer rains during next two months may be harvested in root zone of coconut by deepening the tree basin with inward slopes. Till then, ensure to provide 100 liters of water per tree per day to maintain the productivity.
Animal Husbandry		Increasing temperature and decreasing relative humidity may cause discomfort to the animals. Hence, provide clean water to both animals and poultry. To avoid the heat stress to animals feed the animal during night or early morning or late evening hours. Summer rains may occur as thunder storm during the afternoon hours. Safeguard the animals.

SMS advisory

By utilizing the light rainfall, summer ploughing against the slope may be done with soil inverting type ploughs to arrest erosion and harvest water in root zone.

Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		Drizzling to light rainfall is expected and few places along the western Ghat may get summer rainfall with wind speed of 10-14 km/hr. Rising temperature may bring summer rain during afternoon hours with lightening and thunders. Irrigation may be done based on soil moisture and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture. Plan for summer ploughing against the slope with soil inverting type ploughs.
Sugarcane	Vegetative	Since continuous dry weather prevailed in some parts of the district is favourable for the early shoot borer attack in sugarcane hence farmers are requested to do irrigation frequently and do mulching if rain is not occurred.
Tapiaco	Vegetative	Prevailing dry weather situation is favorable for spiraling white fly in tapioca and hence farmers are requested to monitor the crop carefully and keep yellow sticky trap in 5 to 6 places / ac or spray preferphos @2ml or Acephate @ 2gm/ liter of water.
Coconut		Summer rains during next two months may be harvested in root zone of

		coconut by deepening the tree basin with inward slopes. Till then, ensure to provide 100 liters of water per tree per day to maintain the productivity.
Animal Husbandry		Increasing temperature and decreasing relative humidity may cause discomfort to the animals. Hence, provide clean water to both animals and poultry. To avoid the heat stress to animals feed the animal during night or early morning or late evening hours. Summer rains may occur as thunder storm during the afternoon hours. Safeguard the animals.

SMS advisory

By utilizing the light rainfall, summer ploughing against the slope may be done with soil inverting type ploughs to arrest erosion and harvest water in root zone.

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

Agro Advisory

Crop	Stage	Advisory
General		The prevailing weather condition favors for summer ploughing.
Pulses	Harvest	Harvest the matured blackgram and greengram plants. Harvested plants of blackgram and greengram plants can be sundried before storage.
Coconut		Summer, root feeding of coconut tonic @ 200 ml/palm should be done. To control & decreases the button shedding of coconut.
Cattle	Cow	During summer, tick infestation flares up in all livestock. This might cause anemia & makes up way for various disease occurrences. The animal will be dull & depressed, difficulty in feed intake. Mix 3ml of butox in 1 litre of water and wash the animals with damp cloth.

SMS advisory

The prevailing weather condition favors for summer ploughing.

Dindigul

SMS Advisory Chances of light rain on 19 Apr. Maximum temperature would be in the range of 35°C to 37°C and the minimum temperature would be between 24°C - 26°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 6-8 Kmph from, Southeast & Northwest directions.

General Advisory:

There is a rise in maximum temperature for the forthcoming days, and due to this the soil moisture content may be reduced.

Hence, the horticultural farmers are advised to take up mulching around the root basin of the crop with dried leaves, grass and other farm wastes to retain the soil moisture content.

Livestock:

For livestock, the heat stress can be managed by spraying/ sprinkling water directly on the body of animals for a period of 1 to 5 minutes at an interval of 30-60 minutes. Cover the sides of the cow shed with wet gunny bags. Ensure the increased mineral supplementation to the animals during hot weather to meet the increased demand for minerals. The potassium-rich mineral mixture should be preferred for your cattle.

Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next five days (17.04.2024 to 21.04.2024). Hence farmers are advised to plan their field activities during morning and evening hours and avoid working in the field during 12 noon to 4 Pm. Stay safe and take care. Drink adequate water.

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

Banana:

Due to the dry weather, Banana Thrips are likely to appear. Management Mix 0.5ml of thiamethoxam for 0.5ml of imdacloprid per liter of water and spray.

Jasmine:

Manganese deficiency is widely seen in Jasmine. The symptoms are leaves show yellowish-green background with fine nature of green veins and leaves become thicker.

To rectify this, soil application of 10gm of MnSO₄ per plant or Foliar spray of 0.5% MnSO₄ at fortnightly intervals is recommended.

Animal Husbandry:

Proper maintenance of cattle sheds is essential during the prevailing hot weather conditions.

The direction of the sheds should be arranged in such a way that good air is available and at the same time, the heat of the sun does not directly affect the animals.

It is better if the length of the sheds is east-west. Growing trees in areas where there is strong wind will help in reducing wind speed to some extent.

Madurai

SMS Advisory Chances of very light rain on 19 & 20 Apr. Maximum temperature would be in the range of 35°C to 37°C and the minimum temperature would be between 24°C - 26°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 10-12 Kmph from, Southeast direction.

General Advisory:

There is a rise in maximum temperature for the forthcoming days, and due to this the soil moisture content may be reduced.

Hence, the horticultural farmers are advised to take up mulching around the root basin of the crop with dried leaves, grass and other farm wastes to retain the soil moisture content.

Livestock:

For livestock, the heat stress can be managed by spraying/ sprinkling water directly on the body of animals for a period of 1 to 5 minutes at an interval of 30-60 minutes. Cover the sides of the cow shed with wet gunny bags. Ensure the increased mineral supplementation to the animals during hot weather to meet the increased demand for minerals. The potassium-rich mineral mixture should be preferred for your cattle.

Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next five days (17.04.2024 to 21.04.2024). Hence farmers are advised to plan their field activities during

morning and evening hours and avoid working in the field during 12 noon to 4 Pm. Stay safe and take care. Drink adequate water.

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

Tuberose:

The occurrence of Root-knot nematode is noticed in the Tuberose flower crop. Root swelling and galling are similar to those described for other host plants infected with the root-knot nematode.

Affected plants are usually stunted and leaves become yellow at the tip when the root system is heavily galled.

To control, mix the Cartap hydrochloride @ 40gm with 10 litres of water and remove the sprayer nozzle and pore 5 to 7ml per plant at the root portion.

Paddy:

Prevailing weather is favourable for the sucking pests in standing Navarai season rice.

Spray Thiamethoxam 25 WG @ 100 g/hectare.

Considering the increase in temperature and low soil moisture, irrigation may be provided to Navari planted rice at milking stage.

Animal Husbandry:

Proper maintenance of cattle sheds is essential during the prevailing hot weather conditions.

The direction of the sheds should be arranged in such a way that good air is available and at the same time, the heat of the sun does not directly affect the animals.

It is better if the length of the sheds is east-west. Growing trees in areas where there is strong wind will help in reducing wind speed to some extent.

Pudukottai

SMS Advisory Dry weather will prevail for the next 5 days, Maximum temperature would be in the range of 37°C to 39°C and the minimum temperature would be between 27°C - 28°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 14-16 Kmph from, South & Southeast directions.

General Advisory:

There is a rise in maximum temperature for the forthcoming days, and due to this the soil moisture content may be reduced.

Hence, the horticultural farmers are advised to take up mulching around the root basin of the crop with dried leaves, grass and other farm wastes to retain the soil moisture content.

Livestock:

For livestock, the heat stress can be managed by spraying/ sprinkling water directly on the body of animals for a period of 1 to 5 minutes at an interval of 30-60 minutes. Cover the sides of the cow shed with wet gunny bags. Ensure the increased mineral supplementation to the animals during hot weather to meet the increased demand for minerals. The potassium-rich mineral mixture should be preferred for your cattle.

Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next five days (17.04.2024 to 21.04.2024). Hence farmers are advised to plan their field activities during morning and evening hours and avoid working in the field during 12 noon to 4 Pm. Stay safe and take care. Drink adequate water.

Wind with the speed of 14 to 16 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: (Cucumber, Tomato & Animal Husbandry).

Cucumber:

The incidence of Leaf miners is expected in Cucumber. The symptoms of damage appear on leaves with serpentine mines.

During the severe infestation, the leaves would dry and drop.

To control, spray Thiamethoxam 25% WG @ 5gm per 10 litres of water.

Maize:

Spray maize maxim 3kg/acre in 200 litres of water with adequate quantity of wetting agent at the stage of Tassel initiation and grain filling stages.

Benefits: Improves grain filling, Increases grain yield up to 20 per cent and Improves drought tolerance.

Animal Husbandry:

Proper maintenance of cattle sheds is essential during the prevailing hot weather conditions.

The direction of the sheds should be arranged in such a way that good air is available and at the same time, the heat of the sun does not directly affect the animals.

It is better if the length of the sheds is east-west. Growing trees in areas where there is strong wind will help in reducing wind speed to some extent.

Ramanathapuram

SMS Advisory Chances of very light rain on 17 Apr. Maximum temperature would be in the range of 37°C to 38°C and the minimum temperature would be between 27°C - 28°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 18-22 Kmph from, Southwest & South directions.

General Advisory:

There is a rise in maximum temperature for the forthcoming days, and due to this the soil moisture content may be reduced.

Hence, the horticultural farmers are advised to take up mulching around the root basin of the crop with dried leaves, grass and other farm wastes to retain the soil moisture content.

Livestock:

For livestock, the heat stress can be managed by spraying/ sprinkling water directly on the body of animals for a period of 1 to 5 minutes at an interval of 30-60 minutes. Cover the sides of the cow shed with wet gunny bags. Ensure the increased mineral supplementation to the animals during hot weather to meet the increased demand for minerals. The potassium-rich mineral mixture should be preferred for your cattle.

Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next five days (17.04.2024 to 21.04.2024). Hence farmers are advised to plan their field activities during morning and evening hours and avoid working in the field during 12 noon to 4 Pm. Stay safe and take care. Drink adequate water.

Wind with the speed of 18 to 22 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: (Coconut, Cotton & Animal Husbandry).

Coconut: Due to the prevailing hot weather conditions, the incidence of Rugose Spiralling Whitefly (RSW) was noticed in coconut trees. These insects deposit honey-like waste material on the lower surface of coconut grooves. The leaves turn dark due to the spread of black fungus on them.

To control this, farmers can spray water with high pressure on the bottom and top of the coconut leaves.

Installation of yellow sticky trap @ 2 Nos. per acre can be used to attract and destroy mother insects.

When the damage is severe, add 5 ml of neem oil and 1 ml of sticky liquid and spray evenly on the base of the leaves.

Take Maida flour @ 25gm per litre of water, boil it, mix it with water and then spray it well on the black mould.

Cotton:

The incidence of mealybug is expected in cotton. The damage symptoms are heavy clustering of mealy bugs usually seen under the surface of leaves as a thick mat with waxy secretion and excreting copious amounts of honeydew on which the fungus sooty mould grows.

Affected plants appear sick and black, resulting in reduced fruiting capacity. If symptoms observed in, the cotton field apply Neem oil 2% (20ml/litre) or Fish oil rosin soap 25g/litre of water or Profenophos@ 800ml/ac.

Animal Husbandry:

Proper maintenance of cattle sheds is essential during the prevailing hot weather conditions.

The direction of the sheds should be arranged in such a way that good air is available and at the same time, the heat of the sun does not directly affect the animals.

It is better if the length of the sheds is east-west. Growing trees in areas where there is strong wind will help in reducing wind speed to some extent.

Sivagangai

SMS Advisory Dry weather will prevail for the next 5 days, Maximum temperature would be in the range of 35°C to 37°C and the minimum temperature would be between 24°C - 26°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 12-16 Kmph from, South & Southeast directions.

General Advisory:

There is a rise in maximum temperature for the forthcoming days, and due to this the soil moisture content may be reduced.

Hence, the horticultural farmers are advised to take up mulching around the root basin of the crop with dried leaves, grass and other farm wastes to retain the soil moisture content.

Livestock:

For livestock, the heat stress can be managed by spraying/ sprinkling water directly on the body of animals for a period of 1 to 5 minutes at an interval of 30-60 minutes. Cover the sides of the cow shed with wet gunny bags. Ensure the increased mineral supplementation to the animals during hot weather to meet the increased demand for minerals. The potassium-rich mineral mixture should be preferred for your cattle.

Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next five days (17.04.2024 to 21.04.2024). Hence farmers are advised to plan their field activities during morning and evening hours and avoid working in the field during 12 noon to 4 Pm. Stay safe and take care. Drink adequate water.

Wind with the speed of 12 to 16 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: Sugarcane, Blackgram & Animal Husbandry)

Sugarcane:

Top dressing with fertilizers will give good results in Sugarcane cultivation.

In the case of the lift irrigation belt, apply 225 kg of nitrogen and 112 ½ kg of K₂O per hectare in three equal splits during 30, 60 and 90 days.

Blackgram:

Spray pulse wonder 2 kg/ac in 200 litres of water at the flowering stage. add adequate wetting agent.

Benefits: Decreases flower shedding, Increases yield up to 20 per cent & Increases drought tolerance.

Animal Husbandry:

Proper maintenance of cattle sheds is essential during the prevailing hot weather conditions.

The direction of the sheds should be arranged in such a way that good air is available and at the same time, the heat of the sun does not directly affect the animals.

It is better if the length of the sheds is east-west. Growing trees in areas where there is strong wind will help in reducing wind speed to some extent.

Theni

SMS Advisory Chances of very light rain during 18, 19 & 20 Apr. Maximum temperature would be in the range of 33°C to 34°C and the minimum temperature would be between 22°C - 23°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 6-8 Kmph from, Southeast & West directions.

General Advisory:

There is a rise in maximum temperature for the forthcoming days, and due to this the soil moisture content may be reduced.

Hence, the horticultural farmers are advised to take up mulching around the root basin of the crop with dried leaves, grass and other farm wastes to retain the soil moisture content.

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Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next five days (17.04.2024 to 21.04.2024). Hence farmers are advised to plan their field activities during morning and evening hours and avoid working in the field during 12 noon to 4 Pm. Stay safe and take care. Drink adequate water.

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

Banana:

It is important to apply micronutrients to Banana crops planted in garden land, spraying of Plantozyme @ 2ml/litre of water is recommended.

Similarly, Acid lime and Zinc Sulphate @ 5gm/litre of water can also be sprayed at this stage.

Brinjaj:

Higher temperature along with higher relative humidity favours the incidence of red spider mites.

To manage red spider mite spray wettable sulphur 80WG @ 40g per acre or Proparkite 57 EC at 400 ml per acre.

Animal Husbandry:

Proper maintenance of cattle sheds is essential during the prevailing hot weather conditions.

The direction of the sheds should be arranged in such a way that good air is available and at the same time, the heat of the sun does not directly affect the animals.

It is better if the length of the sheds is east-west. Growing trees in areas where there is strong wind will help in reducing wind speed to some extent.

Virudhunagar

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Very light rainfall is predicted on day 1 (17.04.2024). Farmers are advised to irrigate the crop and fertilizer application.
Summer ploughing	Rainfall	Farmers are requested to utilize previous week rainfall for summer ploughing.
Rainfed / irrigated crops	Plant protection	Spraying maybe practiced. Usage of bioproducts may be practiced for plant protection to avoid scorching effect.
Paddy	Tillering stage	Farmers are advised to irrigate and apply the recommended fertilizer.
Pulses (Black gram/ green gram)	Vegetative stage	Farmers are advised to irrigate the crop.

SMS: Rain: 17- 1 mm. Irrigate the crop. Farmers are requested to utilize previous week rainfall for summer ploughing.

Tirunelveli

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Very light to light rainfall is predicted for next five days. Farmers are advised to avoid irrigate and fertilizer application.
Summer ploughing	Rainfall	Farmers are requested to utilize previous week rainfall for summer ploughing.
rainfed / irrigated crops	Plant protection	Farmers are advised to avoid spraying.
Paddy	Flowering stage	Maintain the water level to avoid lodging of crop.
	Panicle initiation stage	
Vegetables	Rainfall	Harvest the products as earlier to avoid the rainfall damage
Banana	Wind and Rainfall	Farmers are requested to practice propping to avoid lodging.

SMS: Rain: 17-21.04-1,2,4,2&2 mm. postpone the irrigation. Farmers are requested to utilize previous week rainfall for summer ploughing. Vegetables – Early harvest.

Thoothukudi

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Very light rainfall is predicted day 1 (17.04.2024). Farmers are advised to irrigate the crop
Plant protection	Plant protection	Advised for spraying.
Paddy	Tillering stage	Avoid excessive use of nitrogen and control irrigation by alternate wetting and drying to control Brown plant leafhopper. To avoid heat stress, foliar spray of 1% KCl to be practiced based local weather condition.
Summer ploughing	Rainfall	Farmers are requested to practice summer ploughing by utilizing previous week rainfall.
Vegetables	Rainfall	Harvest the products as earlier to avoid the rainfall damage

SMS: Rain: 17.04-1 mm. Irrigate the crop. Farmers are requested to utilize previous week rainfall for summer ploughing. Vegetables – Early harvest.

Tenkasi

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Farmers are advised to irrigate and fertilizer application based on the local weather.
rainfed / irrigated crops	Plant protection	Farmers are advised to avoid spraying.
Paddy	Flowering stage	Maintain the water level to avoid lodging of crop.
	Panicle initiation stage	
Vegetables	Rainfall	Harvest the products as earlier to avoid the rainfall damage
Banana	Wind and Rainfall	Farmers are requested to practice propping to avoid lodging.

SMS: Rain: 17-21.04-1,2,4,2&2 mm. Irrigation based on the local weather. Farmers are requested to utilize previous week rainfall for summer ploughing. Vegetables – Early harvest.

.Tamil Nadu		
Yesterday’s cyclonic circulation over Gulf of Mannar now lies over south Tamil Nadu & neighbourhood and extends upto 1.5 km above mean sea level. A cyclonic circulation lies over Rayalaseema at 1.5 km above mean sea level. A trough runs from Marathwada to North Interior Karnataka at 0.9 km above mean sea level.		
Weather	Next five	Light to Moderate rain is likely to occur at one or two places over South

forecast	days	Tamilnadu on Day 1 (17.04.2024). Light to Moderate rain with thunderstorm and lightning is likely to occur at one or two places over Tamilnadu on Day 3 (19.04.2024) and Day 4(20.04.2024). Light to Moderate rain is likely to occur at one or two places over Tamilnadu on Day 5 (21.04.2024).
Temperature forecast		Day 2 (18.04.2024): It is likely to be 34°C to 38°C in most pockets over south Tamilnadu during the next 2 days. It is likely to be 38-41°C at many pockets over the plains of the interior districts during 19.04.2024 - 21.04.2024.
Temperature Warning		Day 1 (17.04.2024) to Day 5 (21.04.2024): Due to high temperatures and humid conditions, hot and discomfort weather is likely at isolated pockets over Tamilnadu during the next five days.

Kanyakumari

AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
1.	Pulses	All stages	Apply of indoxacarb @ 1 ml/litre for the management of pod borer.
2.	Coconut	All stages	Basins can be formed and green manure sowing may be taken up in the basins.
3.	Banana	Shooting stage.	High wind Speed (10 - 18 km/hr) is anticipated it is advised to provide mechanical support to banana crop to avoid lodging.
4.	Coconut	Juvenile period, pre-bearing and bearing stage.	If the attack of mite is noticed, root feeding may be done with Azadiractin 50% formulation 7.5 ml in 7.5 ml water.
5.	Fruit trees and Tree spices	All stages	Strengthening the basins may be taken up for better harvesting of rains.
6.	Vegetables	All stages	Sufficient irrigation should be given to vegetables to protect against high temperature.

SMS Advisory

Pepper: If liming was not done in the past two years, lime @500gram per vine may be applied after getting first summer rain.

Salem

Weather Advisory Bulletin for livestock, poultry and agro advisory

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	In dairy animals, to improve fat and SNF in milk during summer season 100 grams of sodium bicarbonate /animal should be added daily in feed. Also 70 litres of good quality drinking water should be given to all dairy animals daily.

Poultry	General	<p>Ensure the availability of cool drinking water to the birds in the drinkers throughout the day during summer months.</p> <p>Add soya oil in the feed to increase the energy content and to reduce the heat stress.</p> <p>Add sufficient quantity of electrolytes and vitamins in the feed to reduce the heat stress and maintain production.</p> <p>Provide mid night lighting to birds between 12 to 1 am to increase the feed intake.</p> <p>Farmers are advised to use foggers during extreme hot weather conditions to prevent heat stroke in birds.</p>
Agro advisory from Krishi Vigyan Kendra		
Jasmine	Flowering stage	Due to change in climate, red spider mite incidence was reported in Jasmine. To control this foliar spraying of chemical pesticide Propargite or Spiromesifen @ 1 ½ ml / litre of water along with adjuvant 1 ml / litre of water may be undertaken.
Horticultural crops	Vegetative stage	It is expected that temperature will raise in the forthcoming days, so the soil moisture content may be reduced. Hence, the horticultural farmers are advised to take up mulching around the root basin of the crop with dried leaves, grass and other farm wastes to retain the soil moisture content.
Coconut	Vegetative stage	<p>Rugose spiraling whitefly incidence was noticed in Coconut. It can be managed by spraying Neem oil 5 ml with 1.5 ml sticking agent using power gun sprayer and placing yellow sticky trap of 3 ft X 1.5ft @ 10 numbers / acre.</p> <p>Sooty mould can be controlled by spraying starch solution and allowing chrysoperla insect feeder @ 400 numbers and Encarsia parasitoid @ 100 / acre.</p> <p>Avoid using chemical pesticides.</p>
Water melon	Vegetative stage	Due to the prevailing change in climate, thrips incidence was noticed in water melon. To control this foliar spraying of neem oil 3 % and setting up of blue sticky trap @ 5 numbers / acre may be followed. If the incidence is more than Economic Threshold level, then foliar spraying of thiamethoxam @ 2 gram / litre of water mixed in 200 litre / acre may be adopted for control.

Namakkal

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	In dairy animals, to improve fat and SNF in milk during summer season 100 grams of sodium bicarbonate /animal should be added daily in feed. Also 70 litres of good quality drinking water should be given to all dairy animals daily.
Poultry	General	<p>Ensure the availability of cool drinking water to the birds in the drinkers throughout the day during summer months.</p> <p>Add soya oil in the feed to increase the energy content and to reduce the heat stress.</p> <p>Add sufficient quantity of electrolytes and vitamins in the feed to reduce the heat stress and maintain production.</p> <p>Provide mid night lighting to birds between 12 to 1 am to increase the feed intake.</p> <p>Farmers are advised to use foggers during extreme hot weather conditions to prevent heat stroke in birds.</p>
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Jasmine	Flowering stage	Due to change in climate, red spider mite incidence was reported in Jasmine. To control this foliar spraying of chemical pesticide Propargite or Spiromesifen @ 1 ½ ml /

		litre of water along with adjuvant 1 ml / litre of water may be undertaken.
Horticultural crops	Vegetative stage	It is expected that temperature will raise in the forthcoming days, so the soil moisture content may be reduced. Hence, the horticultural farmers are advised to take up mulching around the root basin of the crop with dried leaves, grass and other farm wastes to retain the soil moisture content.
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Water melon	Vegetative stage	Due to the prevailing change in climate, thrips incidence was noticed in water melon. To control this foliar spraying of neem oil 3 % and setting up of blue sticky trap @ 5 numbers / acre may be followed. If the incidence is more than Economic Threshold level, then foliar spraying of thiamethoxam @ 2 gram / litre of water mixed in 200 litre / acre may be adopted for control.

Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	In dairy animals, to improve fat and SNF in milk during summer season 100 grams of sodium bicarbonate /animal should be added daily in feed. Also 70 litres of good quality drinking water should be given to all dairy animals daily.
Poultry	General	Ensure the availability of cool drinking water to the birds in the drinkers throughout the day during summer months. Add soya oil in the feed to increase the energy content and to reduce the heat stress. Add sufficient quantity of electrolytes and vitamins in the feed to reduce the heat stress and maintain production. Provide mid night lighting to birds between 12 to 1 am to increase the feed intake. Farmers are advised to use foggers during extreme hot weather conditions to prevent heat stroke in birds.
Agro advisory from Krishi Vigyan Kendra		
Jasmine	Flowering stage	Due to change in climate, red spider mite incidence was reported in Jasmine. To control this foliar spraying of chemical pesticide Propargite or Spiromesifen @ 1 ½ ml / litre of water along with adjuvant 1 ml / litre of water may be undertaken.
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		Avoid using chemical pesticides.
Water melon	Vegetative stage	Due to the prevailing change in climate, thrips incidence was noticed in water melon. To control this foliar spraying of neem oil 3 % and setting up of blue sticky trap @ 5 numbers / acre may be followed. If the incidence is more than Economic Threshold level, then foliar spraying of thiamethoxam @ 2 gram / litre of water mixed in 200 litre / acre may be adopted for control.

Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	In dairy animals, to improve fat and SNF in milk during summer season 100 grams of sodium bicarbonate /animal should be added daily in feed. Also 70 litres of good quality drinking water should be given to all dairy animals daily.
Poultry	General	Ensure the availability of cool drinking water to the birds in the drinkers throughout the day during summer months. Add soya oil in the feed to increase the energy content and to reduce the heat stress. Add sufficient quantity of electrolytes and vitamins in the feed to reduce the heat stress and maintain production. Provide mid night lighting to birds between 12 to 1 am to increase the feed intake. Farmers are advised to use foggers during extreme hot weather conditions to prevent heat stroke in birds.
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