



तमिलनाडु के लिए राज्य स्तरीय समग्र कृषि-मौसम परामर्श बुलेटिन



State Composite Agro-meteorological Advisory Bulletin for Tamil Nadu and Puducherry Bulletin No. 033/2024

For the period 0830 IST, 23rd April 2024 to

0830 IST, 28th April 2024

Issued on Tuesday, 23rd 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 18.04.24 to 22.04.24 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range 33°C – 42°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 22°C – 28°C during the period.

Minimum temperature of range 25°C - 30°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 13°C - 16°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)	18.04.24 to 22.04.24	--
Dry	--	18.04.24 to 22.04.24

Chief Amounts of Rainfall (in cms):-

18.04.24 : Nil

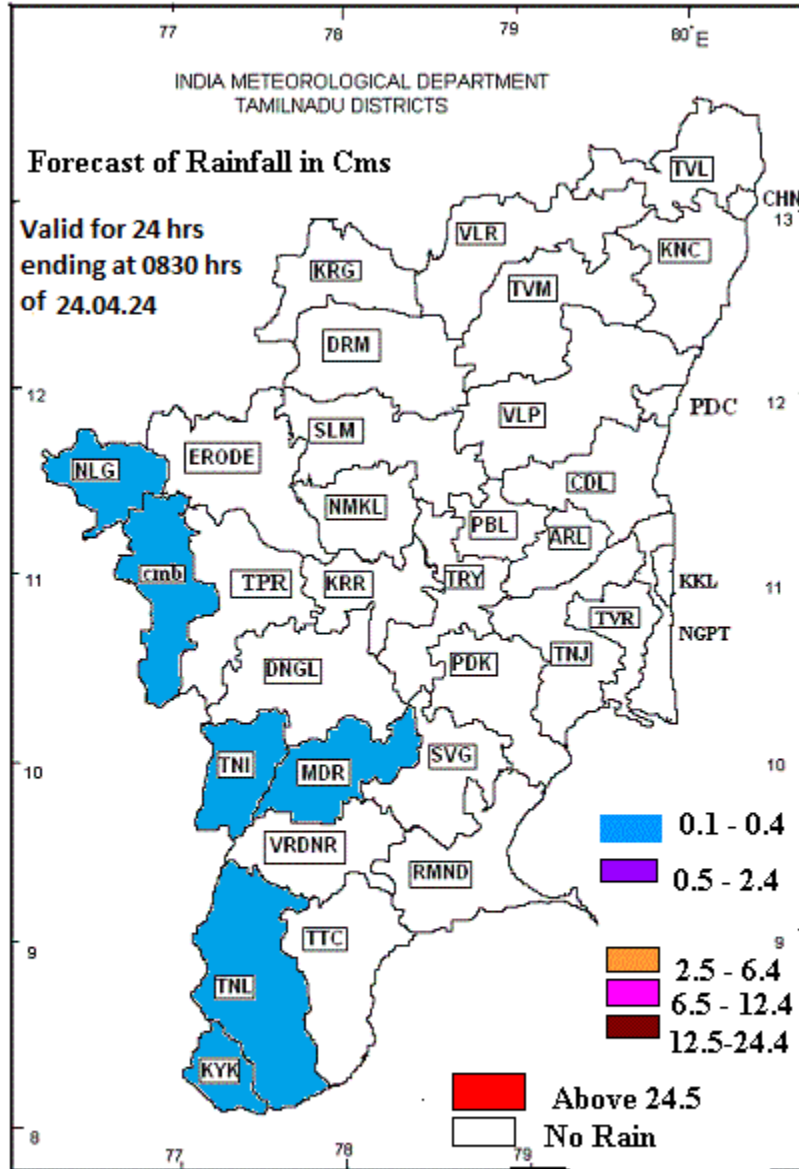
19.04.24 : Nil

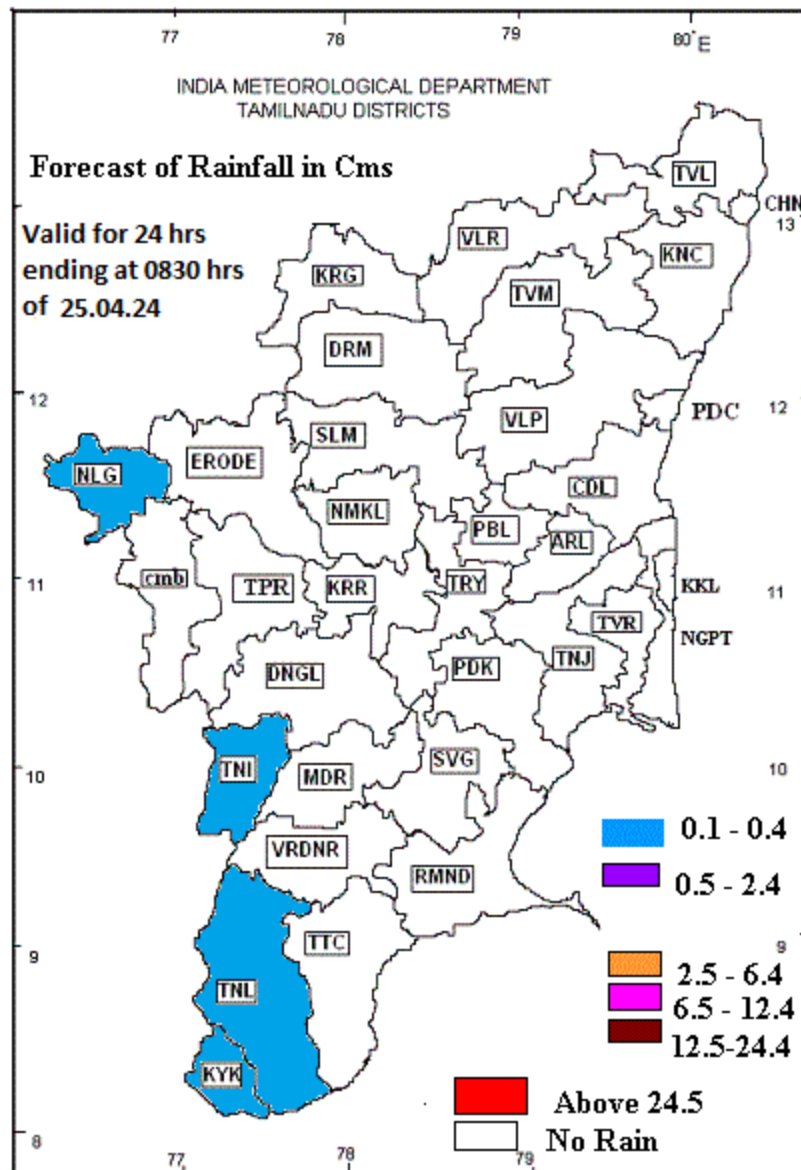
20.04.24 : Suralacode (dist Kanyakumari) 2.

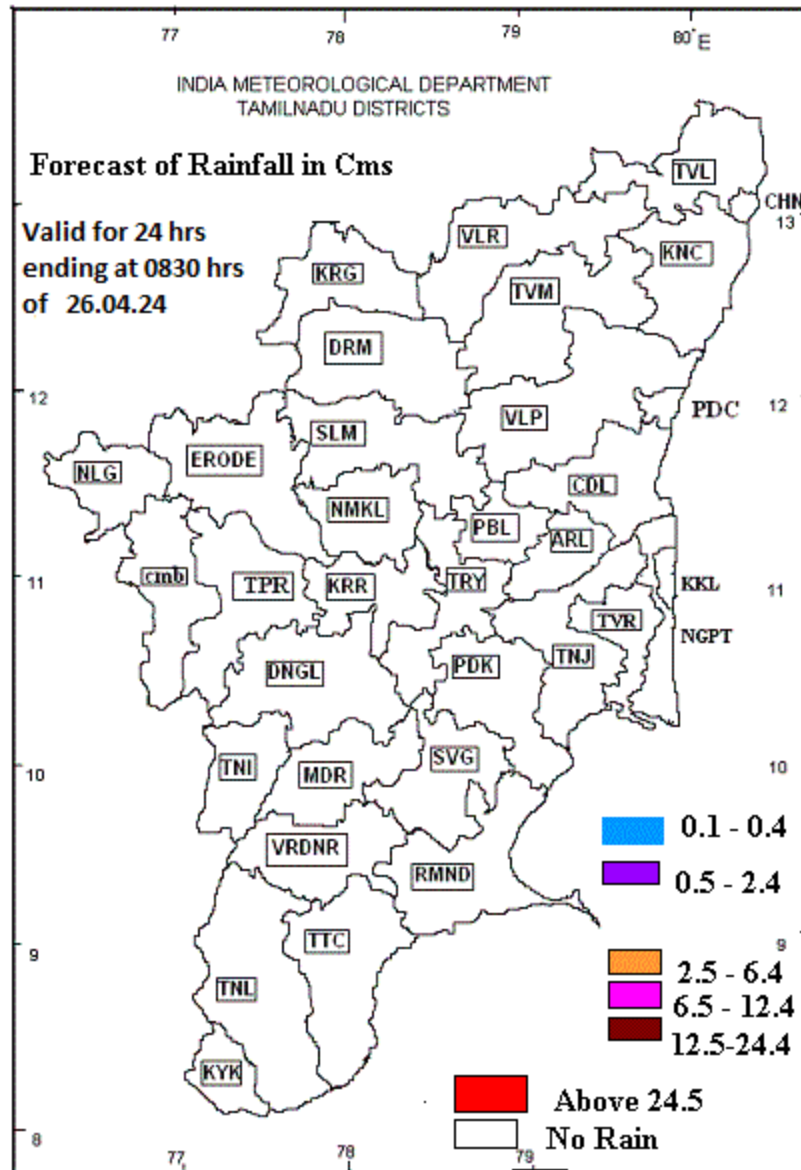
21.04.24 : Suralacode (dist Kanniyakumari) 3, Thalavadi (dist Erode) 2, Sholayar (dist Coimbatore) 1.

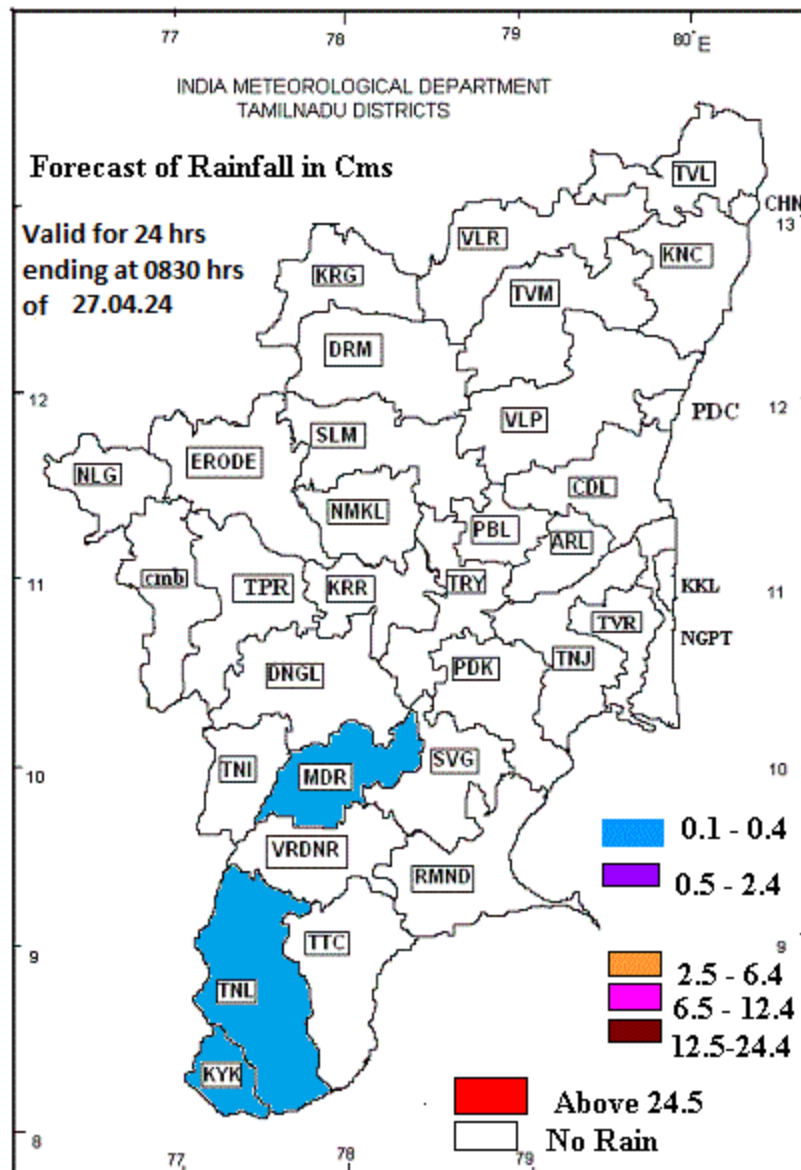
22.04.24:Thirparappu (dist Kanniyakumari) 4, Thalavadi (dist Erode), Pechiparai (dist Kanniyakumari) 2 each, Sholayar (dist Coimbatore), Mambzhathuraiyaru (dist Kanniyakumari), Mukkadal Dam (dist Kanniyakumari), Anaikedanku (dist Kanniyakumari), Bhoothapandy (dist Kanniyakumari), Balamore (dist Kanniyakumari) 1 each.

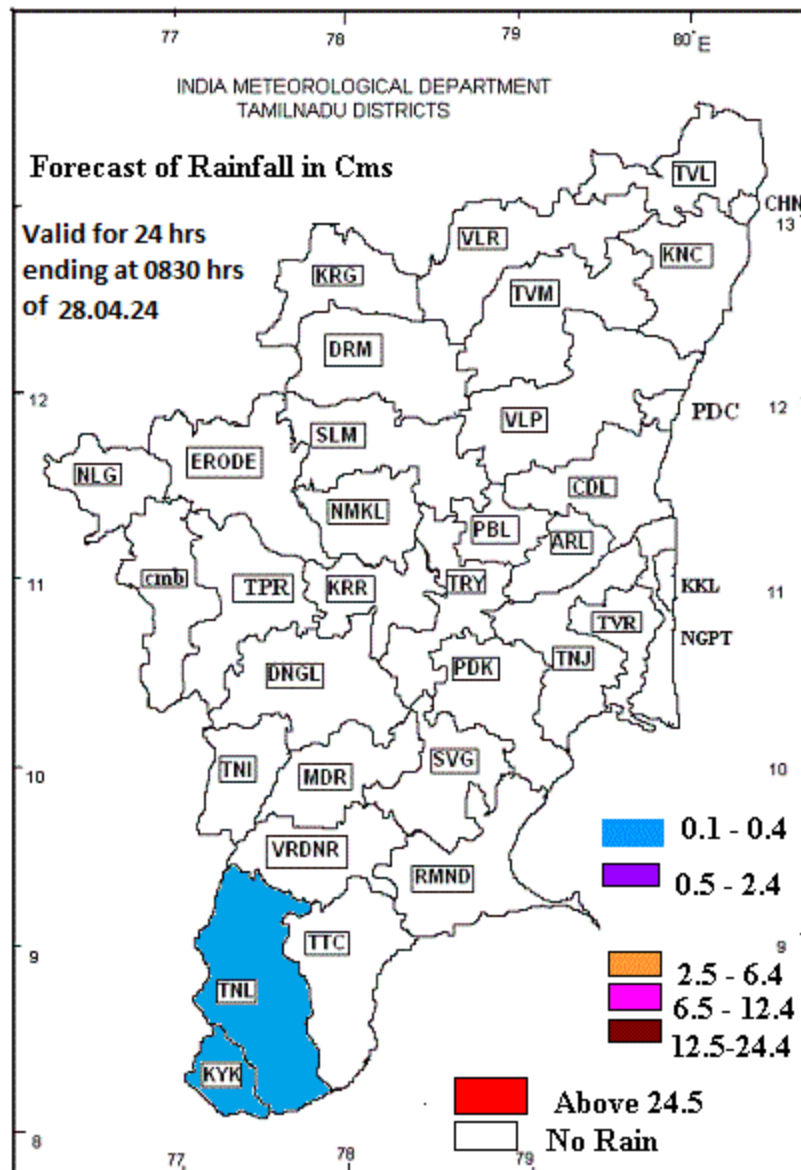
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 23.04.24
VALID FOR THE NEXT 5 DAYS**











District-wise Agromet Advisories

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

SMS Advisory:

(24.04.2024 - 28.04.2024) Maximum temperature is likely to be 2-4°C above normal at a few places over 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		Dry days are expected with wind speed of 08-12 km/hr. High temperature with dry weather is expected during the afternoon hours (12.00 to 3 PM). Hence, farmers are advised to avoid working during the hours. Irrigation may be done based on soil moisture and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture.
Cumbu / sorghum		This is the best time for sowing Cumbu and sorghum instead of maize.
Sesamum	Milking stage	Prevailing high temperature and low RH may favours the sucking pest ekkadian in the milky capsules of summer irrigated sesame sown during February month. To control the pest dust 5% malathion in the evening hours.
Sugarcane	Vegetative	Prevailing dry weather is favourable for the early shoot borer attack in sugarcane hence farmers are requested to do irrigation frequently and do mulching.
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

High temperature with dry weather is expected during the afternoon hours (12.00 to 3 PM). Hence, farmers are advised to avoid working or going out during the hours.

Erode

Agro Advisory

Crop	Stage	Advisory
General		Dry days are expected with wind speed of 08-12 km/hr. High temperature with dry weather is expected during the afternoon hours (12.00 to 3 PM). Hence, farmers are advised to avoid working during the hours. Irrigation may be done based on soil moisture and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture.
Cumbu / sorghum		This is the best time for sowing Cumbu and sorghum instead of maize.
Sesamum	Milking stage	Prevailing high temperature and low RH may favours the sucking pest ekkadian in the milky capsules of summer irrigated sesame sown during February month. To control the pest dust 5% malathion in the evening hours.

Sugarcane	Vegetative	Prevailing dry weather is favourable for the early shoot borer attack in sugarcane hence farmers are requested to do irrigation frequently and do mulching.
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 preferophos @2ml or Acephate @ 2gm/ liter of water.
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

High temperature with dry weather is expected during the afternoon hours (12.00 to 3 PM). Hence, farmers are advised to avoid working or going out during the hours.

Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		Dry days are expected with wind speed of 08-12 km/hr. High temperature with dry weather is expected during the afternoon hours (12.00 to 3 PM). Hence, farmers are advised to avoid working during the hours. Irrigation may be done based on soil moisture and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture.
Sugarcane	Vegetative	Prevailing dry weather is favourable for the early shoot borer attack in sugarcane hence farmers are requested to do irrigation frequently and do mulching.
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 preferophos @2ml or Acephate @ 2gm/ liter of water.
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

High temperature with dry weather is expected during the afternoon hours (12.00 to 3 PM). Hence, farmers are advised to avoid working or going out during the hours.

Nilgiris

Seeds can be treated with *Trichoderma viride* @ 4g/kg or *Bacillus subtilis* @ 10g/kg to manage seed and soil borne pathogens. Further, soil testing has to be done before any cropping programme.

To manage aphids and jassids in bitter gourd, foliar application of imidacloprid 70 WG 1.0g/10lit. is recommended.

Horticulture (Stage)	Horticulture Specific Advisory
CARROT (Vegetative)	For the management of nematode in carrot, soil application of neem cake @ 1 ton/ha at planting. Biofumigation of mustard plants followed by application of neem cake @ 250kg/ha along with <i>Purpureocillium lilacinum</i> @ 5kg/ha is recommended.
POTATO (Vegetative)	To manage early blight in potato, foliar application of hexaconazole 2% SC @ 0.06% or mancozeb @ 2 g/l or chlorothalonil @ 2 g/l at 45, 60 and 75 days after planting is recommended.
TEA (Vegetative)	To manage mites in tea crop, foliar application of Azadirachtin 1.0% EC (neem based) 2.0 ml/lit or propargite 57 % EC 2.0 ml/lit is recommended.
BEETROOT (Vegetative)	To manage leaf spot in Beetroot crop, foliar spray of mancozeb @ 2 g/l on 45, 60 and 75 days after planting is recommended.

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 Dry weather will prevail for the next 5 days, Maximum temperature would be in the range of 41°C to 42°C and the minimum temperature would be between 25°C - 27°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 8-10 Kmph from, Southeast direction.

General Advisory:

Owing to high maximum temperature and moderate wind, more moisture loss is expected and hence, more irrigation should be given to the standing crops.

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 (24.04.2024 to 28.04.2024). 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: (Tomato, Pumpkin & Animal Husbandry).

Tomato:

Due to the prevailing hot weather conditions, the incidence of bollworms were noticed in tomato crops, to control this Install Pheromone Traps @ 12 Nos. per hectare.

Collect and destroy the affected fruits and worms,

During the flowering stage, based on the ETL release Trichogramma Egg parasitoids at 50000 nos. per hectare.

For the bollworm spray NPV virus mixture.

Pumpkin:

The incidence of Pumpkin Fruit flies is noticed in Pumpkin crop.

Plough the field to expose the pupae.

Install cucurbit fruit fly trap @ 4/ acre.

Collect the damaged fruits and destroy them.

The fly population is low in hot day conditions and it peaks in the rainy season. Hence adjust the sowing time accordingly.

Use polythene bags fish meal trap with 5gm of wet fish meal + 1 ml Dichlorvos in cotton. Totally 50 traps are required for a hectare, fish meal + Dichlorvos soaked cotton should be replaced once in 20 and 7 days respectively.

Neem oil @ 3.0 % as foliar spray can also be given based on the need.

Animal Husbandry:

During the summer season, snails, germs and larvae found in the dry pond water can cause health damage to the cattle, so farmers are advised, not to allow their cattle to drink water from dry/dirty water ponds.

Madurai

SMS Advisory Chances of very light rain on 24 & 27 Apr. Maximum temperature would be in the range of 40°C to 41°C and the minimum temperature would be between 25°C - 27°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 8-10 Kmph from, Southeast direction.

General Advisory:

Owing to high maximum temperature and moderate wind, more moisture loss is expected and hence, more irrigation should be given to the standing crops.

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 (24.04.2024 to 28.04.2024). 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: (Jasmine, Sugarcane & Animal Husbandry).

Jasmine:

The occurrence of wilt is noticed in Jasmine. The symptoms start out looking like vein clearing on the younger leaves and drooping of older lower leaves, followed by stunning, yellowing of the lower leaves, defoliation, marginal necrosis and plant death.

To control spray *Trichoderma Viride* @ 40gm with 10 litres of water, before spraying remove the sprayer nozzle and pour the solution into the root portion.

Sugarcane:

Nutrient deficiency like iron deficiency is noticed in sugarcane crop, to rectify this iron deficiency, farmers are advised to foliar spray Ferrous Sulphate @ 250 gm dissolved in 100 litres of water or Soil application of 25 kg of Ferrous Sulphate.

Animal Husbandry:

During the summer season, snails, germs and larvae found in the dry pond water can cause health damage to the cattle, so farmers are advised, not to allow their cattle to drink water from dry/dirty water ponds.

Pudukottai

SMS Advisory Dry weather will prevail for the next 5 days, Maximum temperature would be in the range of 40°C to 41°C and the minimum temperature would be between 26°C - 27°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 12-14 Kmph from, Southeast direction.

General Advisory:

Owing to high maximum temperature and moderate wind, more moisture loss is expected and hence, more irrigation should be given to the standing crops.

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 (19.04.2024 to 23.04.2024). 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 14 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: (Sugarcane, Banana & 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.

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.

Animal Husbandry:

During the summer season, snails, germs and larvae found in the dry pond water can cause health damage to the cattle, so farmers are advised, not to allow their cattle to drink water from dry/dirty water ponds.

Ramanathapuram

SMS Advisory Dry weather will prevail for the next 5 days, Maximum temperature would be in the range of 37°C to 38°C and the minimum temperature would be 27°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 12-16 Kmph from, Southeast & South directions.

General Advisory:

Owing to high maximum temperature and moderate wind, more moisture loss is expected and hence, more irrigation should be given to the standing crops.

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 (24.04.2024 to 28.04.2024). 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 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, Cotton & Animal Husbandry).

Chilly:

The infestation of Green peach aphids in Chilly. The symptoms are, that plants turn pale with a sticky appearance, and leaves get curled and crinkled, due to honeydew excretion the sooty mould development occurs and also it leads to stunted growth of the plant.

To control this, spray Imidacloprid 17.8 % SL @ 3½ ml per 10 litres of water.

Cotton:

Nutrition disorders may be found in Cotton. In the case of Zinc deficient soils, apply ZnSO₄ @ 50kg/ha as basal or ZnSO₄ 0.5% spray thrice at 45, 60 and 75 DAS.

When reddening occurs in leaves apply 5% MgSO₄, Urea (1%) and ZnSO₄ (0.10%) as a foliar spray on the 50th and 80th day to correct this malady.

In Mg deficient areas apply MgSO₄ @ 20 kg/ha basally. Need-based foliar spray of 2% MgSO₄ + 1% Urea during the boll formation stage.

Animal Husbandry:

During the summer season, snails, germs and larvae found in the dry pond water can cause health damage to the cattle, so farmers are advised, not to allow their cattle to drink water from dry/dirty water ponds.

Sivagangai

SMS Advisory Dry weather will prevail for the next 5 days, Maximum temperature would be in the range of 41°C to 42°C and the minimum temperature would be between 25°C - 27°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 10-12 Kmph from, Southeast direction.

General Advisory:

Owing to high maximum temperature and moderate wind, more moisture loss is expected and hence, more irrigation should be given to the standing crops.

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 (24.04.2024 to 28.04.2024). 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 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: (Important Crops: Bitter gourd, Banana & Animal Husbandry)

Bitter gourd: Due to the prevailing weather, condition the incidence of mites is noticed in Bitter gourd. The symptoms are the curling of leaves and the stunted growth of creepers.

To control spray Fermented curd @ 300 ml + Pseudomonas @ 40gm + Coconut water @ 250ml with 10litres of water.

During severe infestation or after 12 days, spray Propargite @ 30ml + sticky agent @ 10ml with 10 litres of water.

Banana:

This is a suitable time for planting bananas. Poovan, Rasthali, Monthan, Karpooravalli and Neipoovan varieties can be planted from February to April months.

The incidence of nematode in these varieties may occur, as a preventive measure, before planting, pre-treat the suckers with press mud application and pare and dip the corm in a solution of 5gm pseudomonas fluorescence, 5gm Trichoderma viride, and 5gm Bacillus, shade dry and plant.

Animal Husbandry:

During the summer season, snails, germs and larvae found in the dry pond water can cause health damage to the cattle, so farmers are advised, not to allow their cattle to drink water from dry/dirty water ponds.

Theni

SMS Advisory Chances of very light rain on 24 & 25 Apr. Maximum temperature would be in the range of 34°C to 35°C and the minimum temperature would be between 24°C - 25°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 6-8 Kmph from, East & Southeast directions.

General Advisory:

Owing to high maximum temperature and moderate wind, more moisture loss is expected and hence, more irrigation should be given to the standing crops.

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 (24.04.2024 to 28.04.2024). 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: (Sugarcane, Guava & Animal Husbandry)

Sugarcane:

Nutrients and growth regulators are now essential for sugarcane crops. Spray the TNAU sugarcane Booster at 45, 60 and 75 days after planting. Spray this booster at 1kg, 1.5kg and 2kg respectively with 200 litres of water and add the required quantity of sticking agent.

Guava:

The incense of Tea mosquito bug was noticed in Guava. The pest incidence was noticed on young leaves and fruits of Guava.

To manage this pest, farmers are advised to collect and destroy the damaged plant parts and do regular pruning.

Shade regulation facilitates proper penetration of sunlight inside the canopy which reduces the incidence of this pest.

Spray Neem oil @ 50ml and Pungam Oil @ 10ml with 10litres of water.

Animal Husbandry:

During the summer season, snails, germs and larvae found in the dry pond water can cause health damage to the cattle, so farmers are advised, not to allow their cattle to drink water from dry/dirty water ponds.

Salem

Weather Advisory Bulletin for livestock, poultry and agro advisory

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	Poultry farmers are advised to strictly adhere to summer management practices. Feed intake is particularly found to have gone below (90 – 95 gram / day / hen) leading to reduced egg production and reduced egg size. Hence, strictly follow the summer management for feeding. The farmers are advised to add amino acids more importantly methionine and lysine, use oils to increase energy content of feed, electrolytes and vitamin C. Further, sodium bicarbonate salt should be added @ 1.5 – 2.0 kg / tonne of feed to avoid egg breakages. The feeding timing should be only twice in a day ie morning (5 am – 10 am) and evening (5 pm – 9 pm) to avoid heat stroke mortality among the layers. Plentiful of cool water should be assured all the day through.
Livestock	General	Feeding management for livestock during summer Due to very high and prolonged day temperatures, farmers are advised to feed their cattle and small ruminants with sufficient quantities of concentrates and green fodder for the maintenance of body weight and milk production. Due to unavailability / scarcity of greens in grazing land during summer, one should ensure feeding their animals at least a small quantity of green fodder. Locally available low-cost but quality feed ingredients may be procured to produce concentrate feed in their home. A 10 kg of concentrate feed can be prepared by mixing 4 kg of cereals (maize, cumbu, jowar, ragi), 3 kg de-oiled cakes (Groundnut, soya), 2.75 kg rice bran, 200 g mineral mixture, 50 gram sodium bicarbonate after grinding in a nearby commercial flour grinder, to be stored for 3-4 weeks period. Dry or green tree leaves can be used when green fodder is not available. In such cases, addition of mineral mixture and yeast should be ensured to correct digestive disorders.
Agro advisory from Krishi Vigyan Kendra		
Tapioca	Vegetative stage	Tapioca growing farmers are requested to apply 35 kg urea + 80 kg potash per within 3 to 5 months after planting, and then do irrigation immediately after the application of fertilizers. If chlorotic symptoms appears, give foliar spraying with tapioca booster @ 5 gram / litre along with sticking agent within one month interval for 3 times.
Agricultural crops	General	In district, nitrogen and potassium nutrient status was recorded low in more than 50 per cent of the farmers field. Hence, farmers are advised to apply azospirillum and potash solubilizing bacteria each @ 1 kg per acre during planting time for agricultural crops.
Horticultural	General	For horticultural crops apply 5 to 8 kg of arka microbial consortia along with 500 kg

crops		farm yard manure or compost / acre during planting time.
Crops	General	Farmers are requested to give foliar spraying with Methylobacterium @ 200 ml / acre (or) 0.5 % potassium chloride solution with 15 – 20 days interval to increase the area under irrigation with wide gap between irrigations and available water.
Jasmine	Flowering stage	To improve the soil quality as well as to conserve the soil moisture around the root zone of jasmine mulch the soil with crop residues.

Namakkal

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	Poultry farmers are advised to strictly adhere to summer management practices. Feed intake is particularly found to have gone below (90 – 95 gram / day / hen) leading to reduced egg production and reduced egg size. Hence, strictly follow the summer management for feeding. The farmers are advised to add amino acids more importantly methionine and lysine, use oils to increase energy content of feed, electrolytes and vitamin C. Further, sodium bicarbonate salt should be added @ 1.5 – 2.0 kg / tonne of feed to avoid egg breakages. The feeding timing should be only twice in a day ie morning (5 am – 10 am) and evening (5 pm – 9 pm) to avoid heat stroke mortality among the layers. Plentiful of cool water should be assured all the day through.
Livestock	General	Feeding management for livestock during summer Due to very high and prolonged day temperatures, farmers are advised to feed their cattle and small ruminants with sufficient quantities of concentrates and green fodder for the maintenance of body weight and milk production. Due to unavailability / scarcity of greens in grazing land during summer, one should ensure feeding their animals at least a small quantity of green fodder. Locally available low-cost but quality feed ingredients may be procured to produce concentrate feed in their home. A 10 kg of concentrate feed can be prepared by mixing 4 kg of cereals (maize, cumbu, jowar, ragi), 3 kg de-oiled cakes (Groundnut, soya), 2.75 kg rice bran, 200 g mineral mixture, 50 gram sodium bicarbonate after grinding in a nearby commercial flour grinder, to be stored for 3-4 weeks period. Dry or green tree leaves can be used when green fodder is not available. In such cases, addition of mineral mixture and yeast should be ensured to correct digestive disorders.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Tapioca	Vegetative stage	Tapioca growing farmers are requested to apply 35 kg urea + 80 kg potash per within 3 to 5 months after planting, and then do irrigation immediately after the application of fertilizers. If chlorotic symptoms appears, give foliar spraying with tapioca booster @ 5 gram / litre along with sticking agent within one month interval for 3 times.
Agricultural crops	General	For Namakkal district, nitrogen and potassium nutrient status was recorded low in more than 50 per cent of the farmers field. Hence, farmers are advised to apply azospirillum and potash solubilizing bacteria each @ 1 kg per acre during planting time for agricultural crops.

Horticultural crops	General	For horticultural crops apply 5 to 8 kg of arka microbial consortia along with 500 kg farm yard manure or compost / acre during planting time.
Crops	General	Farmers are requested to give foliar spraying with Methylobacterium @ 200 ml / acre (or) 0.5 % potassium chloride solution with 15 – 20 days interval to increase the area under irrigation with wide gap between irrigations and available water.
Jasmine	Flowering stage	To improve the soil quality as well as to conserve the soil moisture around the root zone of jasmine mulch the soil with crop residues.

Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	Poultry farmers are advised to strictly adhere to summer management practices. Feed intake is particularly found to have gone below (90 – 95 gram / day / hen) leading to reduced egg production and reduced egg size. Hence, strictly follow the summer management for feeding. The farmers are advised to add amino acids more importantly methionine and lysine, use oils to increase energy content of feed, electrolytes and vitamin C. Further, sodium bicarbonate salt should be added @ 1.5 – 2.0 kg / tonne of feed to avoid egg breakages. The feeding timing should be only twice in a day i.e. morning (5 am – 10 am) and evening (5 pm – 9 pm) to avoid heat stroke mortality among the layers. Plentiful of cool water should be assured all the day through.
Livestock	General	Feeding management for livestock during summer Due to very high and prolonged day temperatures, farmers are advised to feed their cattle and small ruminants with sufficient quantities of concentrates and green fodder for the maintenance of body weight and milk production. Due to unavailability / scarcity of greens in grazing land during summer, one should ensure feeding their animals at least a small quantity of green fodder. Locally available low-cost but quality feed ingredients may be procured to produce concentrate feed in their home. A 10 kg of concentrate feed can be prepared by mixing 4 kg of cereals (maize, cumbu, jowar, ragi), 3 kg de-oiled cakes (Groundnut, soya), 2.75 kg rice bran, 200 g mineral mixture, 50 gram sodium bicarbonate after grinding in a nearby commercial flour grinder, to be stored for 3-4 weeks period. Dry or green tree leaves can be used when green fodder is not available. In such cases, addition of mineral mixture and yeast should be ensured to correct digestive disorders.
Agro advisory from Krishi Vigyan Kendra		
Tapioca	Vegetative stage	Tapioca growing farmers are requested to apply 35 kg urea + 80 kg potash per within 3 to 5 months after planting, and then do irrigation immediately after the application of fertilizers. If chlorotic symptoms appears, give foliar spraying with tapioca booster @ 5 gram / litre along with sticking agent within one month interval for 3 times.
Agricultural crops	General	In district, nitrogen and potassium nutrient status was recorded low in more than 50 per cent of the farmers field. Hence, farmers are advised to apply azospirillum and potash solubilizing bacteria each @ 1 kg per acre during planting time for

		agricultural crops.
Horticultural crops	General	For horticultural crops apply 5 to 8 kg of arka microbial consortia along with 500 kg farm yard manure or compost / acre during planting time.
Crops	General	Farmers are requested to give foliar spraying with Methylobacterium @ 200 ml / acre (or) 0.5 % potassium chloride solution with 15 – 20 days interval to increase the area under irrigation with wide gap between irrigations and available water.
Jasmine	Flowering stage	To improve the soil quality as well as to conserve the soil moisture around the root zone of jasmine mulch the soil with crop residues.

Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	Poultry farmers are advised to strictly adhere to summer management practices. Feed intake is particularly found to have gone below (90 – 95 gram / day / hen) leading to reduced egg production and reduced egg size. Hence, strictly follow the summer management for feeding. The farmers are advised to add amino acids more importantly methionine and lysine, use oils to increase energy content of feed, electrolytes and vitamin C. Further, sodium bicarbonate salt should be added @ 1.5 – 2.0 kg / tonne of feed to avoid egg breakages. The feeding timing should be only twice in a day ie morning (5 am – 10 am) and evening (5 pm – 9 pm) to avoid heat stroke mortality among the layers. Plentiful of cool water should be assured all the day through.
Livestock	General	Feeding management for livestock during summer Due to very high and prolonged day temperatures, farmers are advised to feed their cattle and small ruminants with sufficient quantities of concentrates and green fodder for the maintenance of body weight and milk production. Due to unavailability / scarcity of greens in grazing land during summer, one should ensure feeding their animals at least a small quantity of green fodder. Locally available low-cost but quality feed ingredients may be procured to produce concentrate feed in their home. A 10 kg of concentrate feed can be prepared by mixing 4 kg of cereals (maize, cumbu, jowar, ragi), 3 kg de-oiled cakes (Groundnut, soya), 2.75 kg rice bran, 200 g mineral mixture, 50 gram sodium bicarbonate after grinding in a nearby commercial flour grinder, to be stored for 3-4 weeks period. Dry or green tree leaves can be used when green fodder is not available. In such cases, addition of mineral mixture and yeast should be ensured to correct digestive disorders.
Agro advisory from Krishi Vigyan Kendra		
Tapioca	Vegetative stage	Tapioca growing farmers are requested to apply 35 kg urea + 80 kg potash per within 3 to 5 months after planting, and then do irrigation immediately after the application of fertilizers. If chlorotic symptoms appears, give foliar spraying with tapioca booster @ 5 gram / litre along with sticking agent within one month interval for 3 times.
Agricultural crops	General	In district, nitrogen and potassium nutrient status was recorded low in more than 50 per cent of the farmers field. Hence, farmers are advised to apply azospirillum

		and potash solubilizing bacteria each @ 1 kg per acre during planting time for agricultural crops.
Horticultural crops	General	For horticultural crops apply 5 to 8 kg of arka microbial consortia along with 500 kg farm yard manure or compost / acre during planting time.
Crops	General	Farmers are requested to give foliar spraying with Methylobacterium @ 200 ml / acre (or) 0.5 % potassium chloride solution with 15 – 20 days interval to increase the area under irrigation with wide gap between irrigations and available water.
Jasmine	Flowering stage	To improve the soil quality as well as to conserve the soil moisture around the root zone of jasmine mulch the soil with crop residues.

Karaikal

Agro Advisory

Crop/livestock	Stage/Particulars	Agro Advisory
Cotton	Vegetative growth	To control sucking pest in cotton spray Imidacloprid 17.8 SL @ 100 ml/ha (or) Azadirachtin 0.03% (300 ppm) 2500 ml/ha.
		Nipping may be done at 15th node for variety and 20th node for hybrid cotton to induce sympodial branches development.
Livestock	Heat stress	<p>Heat stress is likely to occur in cattle due to prevailing hot weather. Therefore, following steps can be followed to protect livestock from summer heat.</p> <p>Cattle can be protected from heat by spreading straw, dry grass, palm fronds, coconut leaves or coir waste on the surface of cattle sheds and sprinkling water over it.</p> <p>Cattle can be sent for grazing between 06 am to 10 am and 04 pm to 06 pm.</p> <p>Roofs should be erected over the drinking troughs for livestock to provide cold drinking water to the livestock.</p> <p>Cattle should be bathed twice daily.</p> <p>If cattle show signs of heat stress such as excessive drinking of water, rapid breathing, excessive salivation, loss of appetite, shivering and falling down, then the affected animals should be treated at the nearest veterinary hospital.</p>

SMS: During next five days the sky will be partly cloudy and dry.

Puducherry

Agro Advisory

Crop	Stage/ Particulars	Agro Advisory
Rice	Tillering stage	To manage rice stem borer, release parasitoid <i>Trichogramma japonicum</i> @1,00,000/ha at active tillering stage (37, 44 and 51 DAP) or Azadirachtin 0.03% @ 4 ml/l or cartaphydrochloride 50% SP @ 2g/l or flubendiamide 20 WG @ 0.25 g/l or thiamethoxam 25 WG @ 0.2 g/l.
		To manage rice leaf folder release <i>Trichogramma chilonis</i> 5cc (1,00,000/ha) at 37, 44, 51 day after planting. Avoid excess application of nitrogen fertilizers. Setup light trap to attract adult moths. Setup T- shaped bird perches for predatory birds to control these pests. Apply cartaphydrochloride 50% SP @ 2g/l or flubendiamide 20 WG @ 0.25 g/l or thiamethoxam 25 WG @ 0.2 g/l.
Livestock	Heat stress	Heat stress is likely to occur in cattle due to prevailing hot weather. Therefore, following steps can be followed to protect livestock from summer heat. Cattle can be protected from heat by spreading straw, dry grass, palm fronds, coconut leaves or coir waste on the surface of cattle sheds and sprinkling water over it. Cattle can be sent for grazing between 06 am to 10 am and 04 pm to 06 pm. Roofs should be erected over the drinking troughs for livestock to provide cold drinking water to the livestock. Cattle should be bathed twice daily. If cattle show signs of heat stress such as excessive drinking of water, rapid breathing, excessive salivation, loss of appetite, shivering and falling down, then the affected animals should be treated at the nearest veterinary hospital.

