



तमिलनाडु के लिए राज्य स्तरीय समग्र कृषि-मौसम परामर्श बुलेटिन



State Composite Agro-meteorological Advisory Bulletin for Tamil Nadu and Puducherry Bulletin No. 035/2024

For the period 0830 IST, 30th April 2024 to

0830 IST, 05th May 2024

Issued on Tuesday, 30th 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 26.04.24 to 29.04.24 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range **34°C – 42°C** prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range **21°C – 29°C** during the period.

Minimum temperature of range **23°C - 29°C** prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range **13°C - 14°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)	28.04.24 & 29.04.24	--
Dry	26.04.24 & 27.04.24	26.04.24 to 29.04.24

Chief Amounts of Rainfall (in cms):-

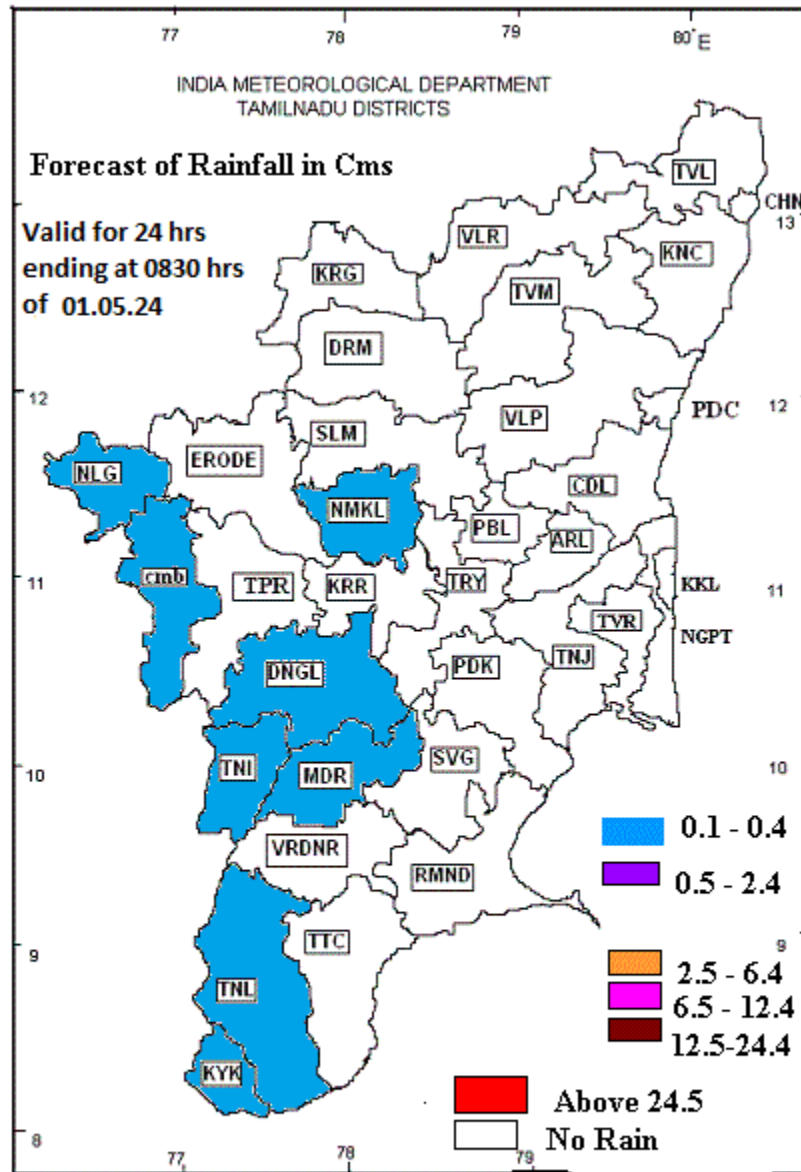
26.04.24 : Nil

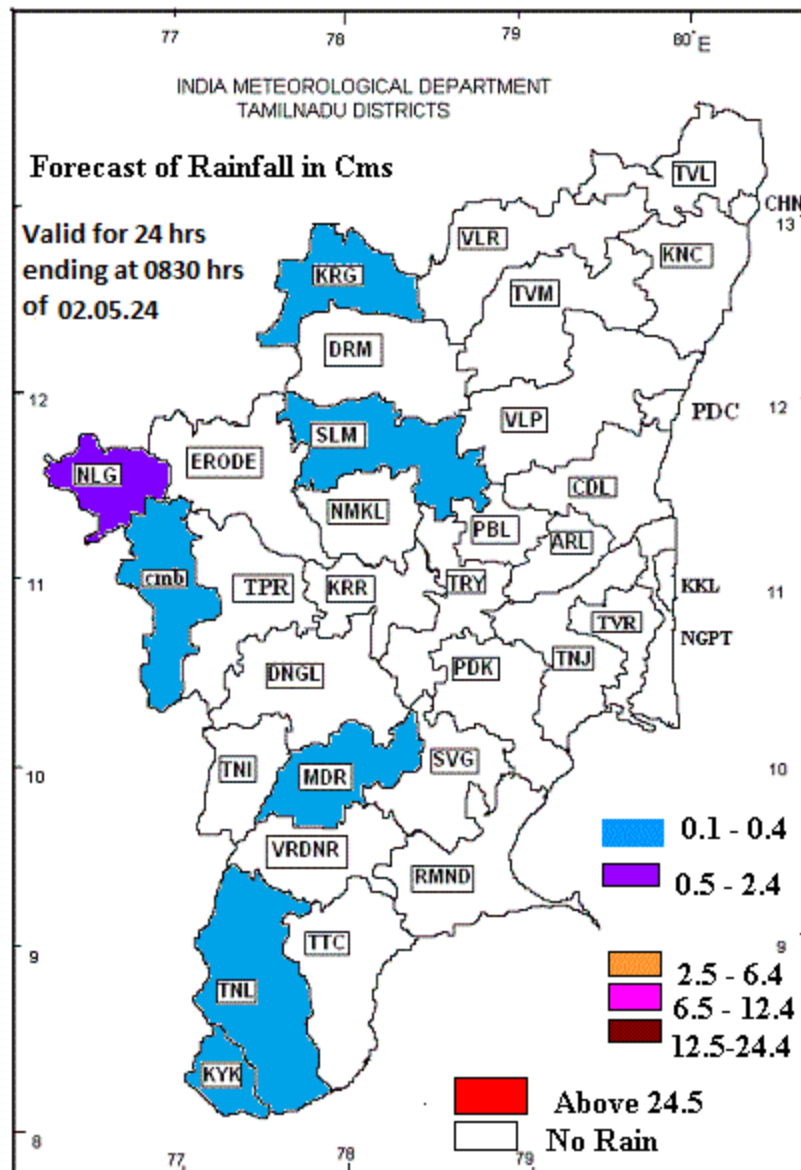
27.04.24 : Nil

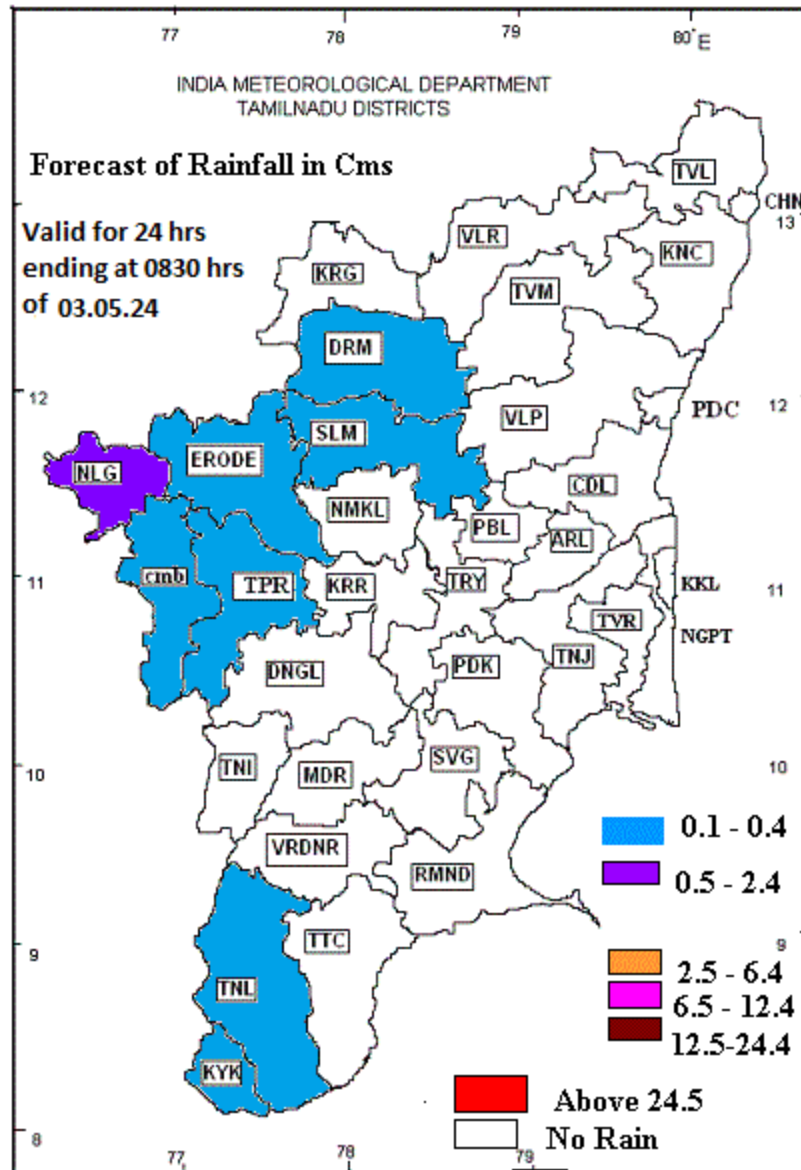
28.04.24 : Nil

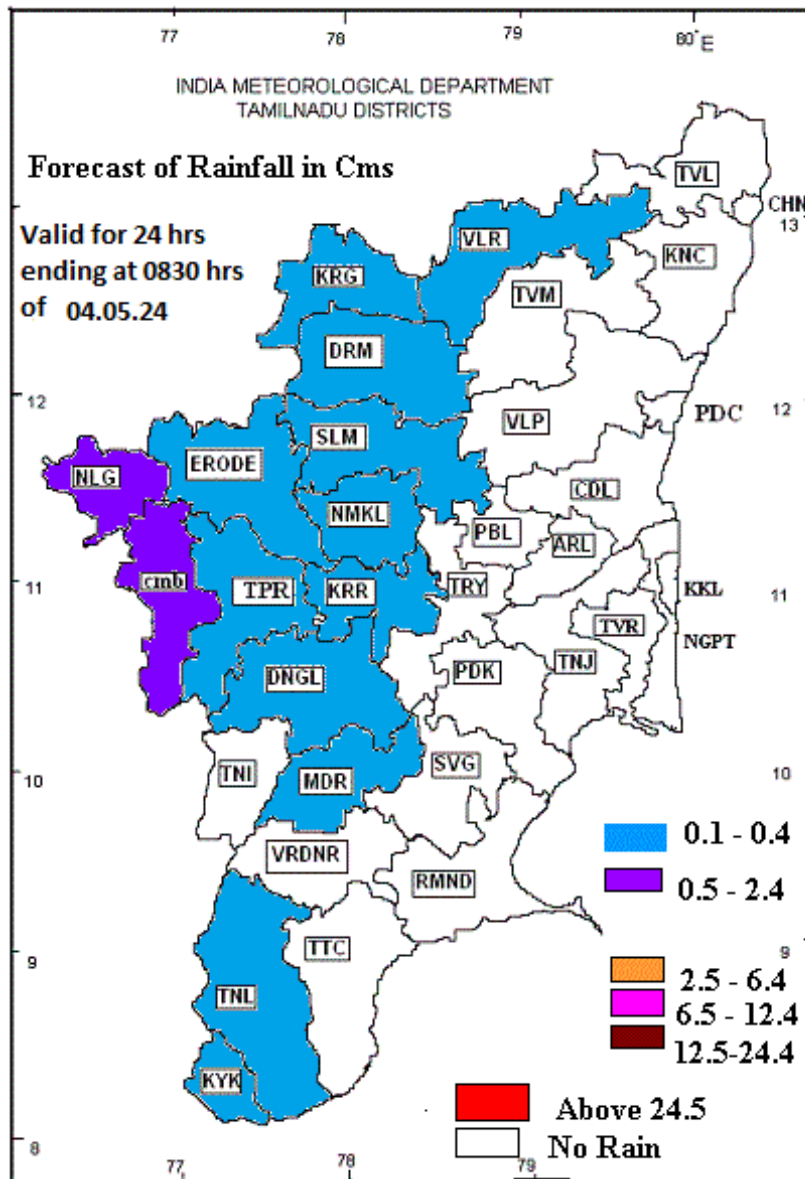
29.04.24 : Nil

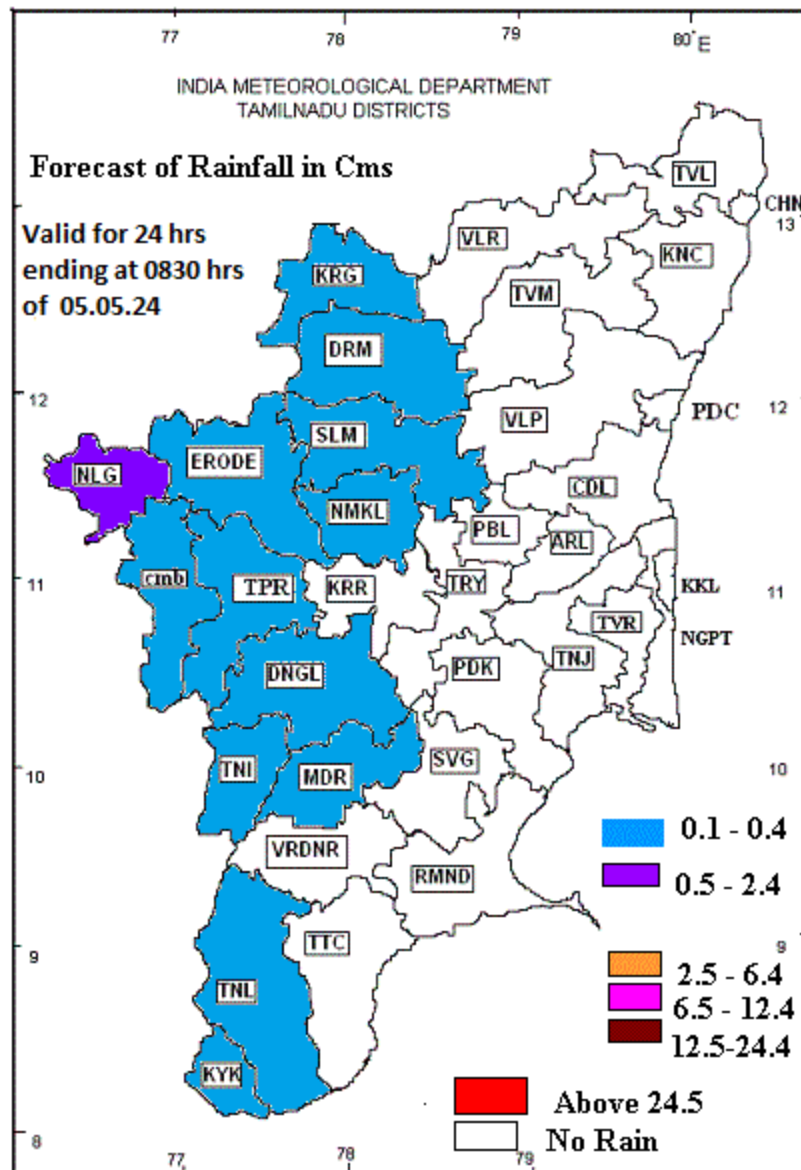
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 30.04.24
VALID FOR THE NEXT 5 DAYS**











District-wise Agromet Advisories

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

SMS Advisory:

(01.05.2024 - 05.05.2024) Maximum temperature is likely to be 3-5°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		<p>Dry days are expected with wind speed of 10-18 km/hr. High temperature (up to 42oC) with dry weather is expected during the afternoon hours (12.00 to 3 PM). Hence, farmers are advised to avoid working during the hours.</p> <p>Irrigation may be done based on soil moisture and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture.</p> <p>Plan for summer ploughing against the slope with soil inverting type ploughs.</p>
Sugarcane	Vegetative	<p>Considering the local circulation due to increased temperature and expected summer rains, provide propping to the sugarcane by tying opposite row to prevent from lodging.</p>
Banana	Fruit Formation	<p>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.</p>
Coconut	Harvest	<p>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.</p>
Animal Husbandry		<p>Increasing temperature and decreasing relative humidity may cause discomfort to the animals. Hence, provide clean water to both animals and poultry.</p> <p>Application of water over the sheds of the cattle and poultry will reduce the heat stress or even hanging of wetted gunny bags will also reduce the temperature to a considerable extent.</p> <p>To avoid the heat stress, feed the animal during early morning or late evening hours.</p>

SMS Advisory

Increasing temperature and decreasing relative humidity may cause discomfort to the animals. Hence, provide clean water to both animals and poultry.

Erode

Agro Advisory

Crop	Stage	Advisory
General		Dry days are expected with wind speed of 10-18 km/hr. High temperature (up to 42oC) 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. Plan for summer ploughing against the slope with soil inverting type ploughs.
Sugarcane	Vegetative	Considering the local circulation due to increased temperature and expected summer rains, provide propping to the sugarcane by tying opposite row to prevent from lodging.
Banana	Fruit Formation	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	Harvest	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. Application of water over the sheds of the cattle and poultry will reduce the heat stress or even hanging of wetted gunny bags will also reduce the temperature to a considerable extent. To avoid the heat stress, feed the animal during early morning or late evening hours.

SMS Advisory

Increasing temperature and decreasing relative humidity may cause discomfort to the animals. Hence, provide clean water to both animals and poultry.

Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		Dry days are expected with wind speed of 10-18 km/hr. High temperature (up to 42oC) 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. Plan for summer ploughing against the slope with soil inverting type ploughs.
Sugarcane	Vegetative	Considering the local circulation due to increased temperature and expected summer rains, provide propping to the sugarcane by tying opposite row to prevent from lodging.
Banana	Fruit Formation	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	Harvest	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. Application of water over the sheds of the cattle and poultry will reduce the heat stress or even hanging of wetted gunny bags will also reduce the temperature to a considerable extent. To avoid the heat stress, feed the animal during early morning or late evening hours.

SMS Advisory

Increasing temperature and decreasing relative humidity may cause discomfort to the animals. Hence, provide clean water to both animals and poultry.

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

Agro Advisory

Crop	Stage	Advisory
General		Since temperature is increasing, apply mulches to conserve soil moisture. Summer ploughing is also beneficial.
Pulses	Sowing	Farmers are advised to go for summer irrigated pulse cultivation during this Chithirapattam (April-May). Suitable varieties in blackgram are ADT 5, VBN 5, VBN 6, VBN 8 and in greengram are VBN 2 and VBN 3.
Coconut		Inward basin may be formed around the coconut trees to catch the water in summer in the root zone.
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

Since temperature is increasing, apply mulches to conserve soil moisture. Summer ploughing is also beneficial.

Dindigul

SMS Advisory Chances of light rain on 4 May. Maximum temperature would be in the range of 40°C to 41°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 6-8 Kmph from, West, Southeast & Southwest 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:

Artificial insemination of goats and cows should be done within 9 am or after 4pm due to the high heat of the day.

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 (01.05.2024 to 05.05.2024). 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: (Maize, Jasmine & Animal Husbandry).

Maize:

The application of micronutrients will rectify the nutrient deficiency in Maize Cultivation.

Farmers who have planted maize recently can apply 5kg of Millet nutrient mixture or 10Kg of ZnSo₄ /acre.

Also, apply Farm Yard Manure along with 2kgs of Azospirillum and 2kgs of Phosphobacteria per acre.

Jasmine:

To increase the flower yield in Jasmine give foliar spraying with zinc sulphate and ferrous sulphate each @ 5 gram / litre of water with 1 month interval.

Animal Husbandry:

Livestock can be treated with summer feed mixed with 40 g of mineral salt, 50 g of dry yeast or 150 g of sodium bicarbonate.

This reduces the heat dissipation that appears in dairy cows and increases the amount of milk and fat and non-fat solids in the milk.

Madurai

SMS Advisory Chances of very light rain during 1, 2, 4 & 5 May. Maximum temperature would be in the range of 40°C to 41°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 8-14 Kmph from, South & 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: Artificial insemination of goats and cows should be done within 9 am or after 4pm due to the high heat of the day.

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 (01.05.2024 to 05.05.2024). 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 8 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: (Sesame, Coconut & Animal Husbandry).

Sesame:

The incidence of Leaf Webber / roller and capsule borer is expected in Sesame Crop. In the early stage of infestation, the larvae feed inside the leaf and infested shoots stop growing.

At flowering, larvae feed inside the flowers, and on capsule formation, larvae bore into the capsule and feed on developing seeds.

To control spray Neem oil @ 40ml + Sticky agent @ 10ml with 10litres of water.

Coconut:

Kind attention to Coconut farmers. Button shedding is noticed in coconut fields.

To control button shedding, farmers are advised to go with the root feeding of Coconut Tonic of TNAU @ 200ml/Tree. This can be continued at 6 monthly intervals.

Animal Husbandry:

Livestock can be treated with summer feed mixed with 40 g of mineral salt, 50 g of dry yeast or 150 g of sodium bicarbonate.

This reduces the heat dissipation that appears in dairy cows and increases the amount of milk and fat and non-fat solids in the milk.

Pudukottai

SMS Advisory Dry weather will prevail for the next 5 days, Maximum temperature would be in the range of 39°C to 40°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 14-20 Kmph from, South 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:

Artificial insemination of goats and cows should be done within 9 am or after 4pm due to the high heat of the day.

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 (01.05.2024 to 05.05.2024). 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 20 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, Black Gram & Animal Husbandry).

Chilly:

Due to the high temperature and high wind humidity damping off is seen in Chilli crop.

To control this, mix 2.5g of copper oxychloride with one liter one liter of water and soak the nursery for 15 days.

Apply Carbofuran 3g 10g per square meter to control the attack of nematodes and sucking insects.

Black Gram:

Due to the high maximum temperature, there is a chance of the incidence of Pod flies in the Farmers who have been cultivating Black Gram can control the pests by spraying imidacloprid at the rate of 0.5 ml per liter of water to control Yellow Mosaic Virus.

Animal Husbandry:

Livestock can be treated with summer feed mixed with 40 g of mineral salt, 50 g of dry yeast or 150 g of sodium bicarbonate.

This reduces the heat dissipation that appears in dairy cows and increases the amount of milk and fat and non-fat solids in the milk.

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 between 27°C - 29°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 20-24 Kmph from, South 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:

Artificial insemination of goats and cows should be done within 9 am or after 4pm due to the high heat of the day.

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 (01.05.2024 to 05.05.2024). 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 20 to 24 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: (Brinjal, Chilly & Animal Husbandry).

Brinjal:

To increase the yield of Brinjal, give foliar spraying with vegetable booster @ 5 gram/litre along with sticking agent in 15-day intervals after 30 days of planting.

Chilly:

Dry weather with high day temperatures is favorable for the incidence of Thrips in Chilli crop. The damage symptoms are infested leaves crinkling and curling upwards, and the flower buds become brittle and drop down.

Early-stage infestation leads to stunted growth and a reduction in flower production and fruit setting.

If symptoms are observed in the field, spray any one of the chemicals. Fipronil 5 SC @ 300 ml/acre or Imidacloprid 17.8 SL @ 60 ml/acre or Spinetoram 11.7 SC @ 200 ml/acre.

Animal Husbandry:

Livestock can be treated with summer feed mixed with 40 g of mineral salt, 50 g of dry yeast or 150 g of sodium bicarbonate.

This reduces the heat dissipation that appears in dairy cows and increases the amount of milk and fat and non-fat solids in the milk.

Sivagangai

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 27°C - 28°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 16-22 Kmph from, South 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:

Artificial insemination of goats and cows should be done within 9 am or after 4pm due to the high heat of the day.

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 (01.05.2024 to 05.05.2024). 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 16 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: (Important Crops: Drumstick, Guava & Animal Husbandry)

Drumstick:

Drumstick cultivating farmers are advised to follow the fertilizer recommendation for the annual Moringa crop.

A fertilizer dose of 45:16:30 grams of NPK per pit may be applied 3 months after sowing.

Apply 45g of Nitrogen per pit after 6 months when the crop is in the bearing stage.

Guava:

The incidence of Fruit flies is expected in Guava. The symptoms of damage appear on fruits. The fruit fly adults and maggots attack the semi-ripened fruits, ovipositor punctures are found on fruits, and maggots destroy the pulp and a bad smell comes out of it.

To control this, set up pheromone traps. Fill a 5-litre bucket with 3 litres of water + 2 dry fish + 50gm Jaggery + 2 well-rotten Bananas + 1kg castor cake + 2 pieces of Pineapple and fix it as 12 Nos per Acre.

Animal Husbandry:

Livestock can be treated with summer feed mixed with 40 g of mineral salt, 50 g of dry yeast or 150 g of sodium bicarbonate.

This reduces the heat dissipation that appears in dairy cows and increases the amount of milk and fat and non-fat solids in the milk.

Theni

SMS Advisory Chances of very light rain on 1 & 5 May. Maximum temperature would be in the range of 36°C to 37°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, Southwest 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:

Artificial insemination of goats and cows should be done within 9 am or after 4pm due to the high heat of the day.

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 (01.05.2024 to 05.05.2024). 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, Chilly & Animal Husbandry)

Sugarcane:

Nutrient deficiency like iron deficiency is noticed in sugarcane crop.

To rectify this iron deficiency, farmers are advised to do a foliar spray of Ferrous Sulphate @ 250 gm dissolved in 100 litres of water or Soil application of 25 kg of Ferrous Sulphate.

Chilly: The incense of Fruit Rot and Die Back disease may attack the Chilli crop. Drying up spreads from the flower stalks to the stem and subsequently causes die-back of the branches, stem and the branches wither. Partially affected plants bear fruits that are few and of low quality.

Effective disease control has been observed through the application of Pseudomonas fluorescence at a rate of 50 to 100 grams per 10 liters of water.

Using the chemical method, after the 40th day of planting, spray with 1¼ Kg of Copper Oxychloride per acre at 20-day intervals.

Animal Husbandry:

Livestock can be treated with summer feed mixed with 40 g of mineral salt, 50 g of dry yeast or 150 g of sodium bicarbonate.

This reduces the heat dissipation that appears in dairy cows and increases the amount of milk and fat and non-fat solids in the milk.

Virudhunagar

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	No rainfall is predicted for next five days. Farmers are request to irrigate the crop.
Rainfed / irrigated crops	Plant protection	Spraying maybe practiced. Usage of bioproducts may be practiced for plant protection to avoid scorching effect.
Summer ploughing	Moisture conservation	Farmers are requested for summer ploughing to hold the rainfall in future.
Paddy	Tillering stage	Farmers are advised to irrigate the crop. Possible to go for water spraying to avoid crop stress.
Pulses (Black gram)	Vegetative stage	
Mango	Fruiting stage	Shade and high humidity due to close planting favor hoppers infestation result to Sooty mould. If sucking pest is available spray Imidachloprid 120 ml/ acre or else spray Starch or Maida solution 5 %.
Coconut	All the stage	Weather favours for rugose whitefly incidence. Spraying starch solution (1%) to dislodge the heavy sooty mould deposition on the leaves of infested plants. Use of yellow sticky traps to trap the adult whiteflies • Encourage build-up of parasitoids (Encarsia sp.) and re-introduce parasitized pupae to emerging zones of whitefly outbreak. In case of severe infestation, spray neem oil 0.5% • No insecticides should be applied to manage the pest.
Banana	All the stage	Soil temperature favours Fusarium wilt. drenching with Copper oxy chloride 2.5g/l to control the infestation.

SMS: Rain: Nil. Irrigate the crop. Coconut - rugose whitefly- Spray starch solution (1%) (or) neem oil 0.5%. Banana- Fusarium wilt. drenching with Copper oxy chloride 2.5g/l

Tirunelveli

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Rainfall is predicted. Farmers are requested to irrigate the crop based on the local weather prevail.
Irrigated crops	Plant protection	Farmers are advised to avoid spraying.
Summer ploughing	Rainfall	Farmers are requested for summer ploughing to utilize the summer rainfall
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.
Mango	Fruiting stage	Shade and high humidity due to close planting favor hoppers infestation result to Sooty mould. If sucking pest is available spray Imidachloprid 120 ml/ acre or else spray Starch or Maida solution 5 %.
Coconut	All the stage	Weather favours for rugose whitefly incidence. Spraying starch solution (1%) to dislodge the heavy sooty mould deposition on the leaves of infested plants. Use of yellow sticky traps to trap the adult whiteflies • Encourage build-up of parasitoids (Encarsia sp.) and re-introduce parasitized pupae to emerging zones of whitefly outbreak. In case of severe infestation, spray neem oil 0.5% • No insecticides should be applied to manage the pest.
Banana	All the stage	Soil temperature favors Fusarium wilt. drenching with Copper oxy chloride 2.5g/l to control the infestation.

SMS: Rain: 01-05.05-3,1,1,2 &1mm. Irrigation based on local weather condition. Coconut - rugose whitefly- Spray starch solution (1%) (or) neem oil 0.5%. Banana- Fusarium wilt. drenching with Copper oxy chloride 2.5g/l.

Thoothukudi

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	No rainfall is predicted for next five days. Farmers are advised to irrigate the crop
Plant protection	Plant protection	Spraying maybe practiced. Usage of bioproducts may be practiced for plant protection to avoid scorching effect.
Summer ploughing	Moisture conservation	Farmers are requested for summer ploughing to hold the rainfall in future.
Paddy	Panicle initiation stage	Irrigate the crop.
Mango	Fruiting stage	Shade and high humidity due to close planting favor hoppers infestation result to Sooty mould. If sucking pest is available spray Imidachloprid 120 ml/ acre or else spray Starch or Maida solution 5 %.
Coconut	All the stage	Weather favours for rugose whitefly incidence. Spraying starch solution (1%) to dislodge the heavy sooty mould deposition on the leaves of infested

		plants. Use of yellow sticky traps to trap the adult whiteflies • Encourage build-up of parasitoids (<i>Encarsia</i> sp.) and re-introduce parasitized pupae to emerging zones of whitefly outbreak. In case of severe infestation, spray neem oil 0.5% • No insecticides should be applied to manage the pest.
Banana	All the stage	Soil temperature favours Fusarium wilt. drenching with Copper oxy chloride 2.5g/l to control the infestation.

SMS: Rain: Nil. Irrigate the crop. Coconut - rugose whitefly- Spray starch solution (1%) (or) neem oil 0.5%. Banana- Fusarium wilt. drenching with Copper oxy chloride 2.5g/l

Tamil Nadu		
Yesterday's trough/wind discontinuity from central Vidarbha to Coastal Karnataka across Marathwada, Interior Karnataka now runs from southeast Madhya Pradesh to south interior Karnataka across Vidarbha, Marathwada and north interior Karnataka extends upto 1.5 km above mean sea level. Yesterday's cyclonic circulation over south Tamil Nadu & neighbourhood at 0.9 km above mean sea level persists.		
Weather forecast	Next five days	Day 1 (01.05.2024) to Day 4 (04.05.2024): Light to moderate rain with thunderstorm and lightning is likely to occur at one or two places over Western Ghats and south Tamilnadu. Dry weather is very likely to prevail over rest Tamilnadu, Puducherry and Karaikal area. Day 5 (05.05.2024): Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area.
Temperature Forecast		It is likely to be 39-43°C at a few pockets over the plains of the North Interior districts, 38-40°C over the plains of the rest Tamilnadu and 36-39°C over coastal Tamilnadu, Puducherry and Karaikal area during the next five days. (01.05.2024 to 05.05.2024).

Salem

Weather Advisory Bulletin for livestock, poultry and agro advisory

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	<p>The prevailing weather conditions are favourable for Newcastle Disease in poultry. The main symptoms are twisting of neck and paralysis of wings and legs, Diarrhoea, Drop in egg production and sudden death. Desi birds should be vaccinated against Newcastle Disease on 7th day with F1 strain (Eye drop), on 28th day with Lasota (Eye drop) and on 56th day with RDVK vaccine. Along with that to reduce the incidence of Newcastle Disease use ethno veterinary medicine as follows</p> <p>Required Ingredients for 10 desi birds</p> <p>Cumin seeds (Seeragam) – 10 grams Black pepper (Milagu) - 5 grams Turmeric powder - 5 grams Small onion - 5 numbers Garlic - 5 cloves Phyllanthus amarus (Keelanelli) – 50 grams</p> <p>Procedure: Grind all the ingredients and make slimy paste into small balls. The balls may be given in divided doses through oral route or mix with feed ingredients and can be given to the affected birds.</p>

Livestock	General	In dairy animals, to improve fat and SNF in milk during summer season 50 - 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.
Agro advisory from Krishi Vigyan Kendra		
Sugarcane	Vegetative stage	Changing of climate condition resulted in occurring (or) emerging of pokkah boeng disease in sugarcane. Infested plants will have stunted growth, yellowing of leaf and shriveling of leaf, etc. To control, this foliar spraying of Imidacloprid @ 7.5 ml / litre of water + Propiconazole @ 2 ml / litre of water + Bacteria mycin @ 1 gram / litre of water at evening time should be carried out.
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.
Coconut	Vegetative stage	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. Sooty mould can be controlled by spraying starch solution and allowing chrysoperla insect feeder @ 400 numbers and Encarsia parasitoid @ 100 / acre. Avoid using chemical pesticides.

Namakkal

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	The prevailing weather conditions are favourable for Newcastle Disease in poultry. The main symptoms are twisting of neck and paralysis of wings and legs, Diarrhoea, Drop in egg production and sudden death. Desi birds should be vaccinated against Newcastle Disease on 7th day with F1 strain (Eye drop), on 28th day with Lasota (Eye drop) and on 56th day with RDVK vaccine. Along with that to reduce the incidence of Newcastle Disease use ethno veterinary medicine as follows Required Ingredients for 10 desi birds Cumin seeds (Seeragam) – 10 grams Black pepper (Milagu) - 5 grams Turmeric powder - 5 grams Small onion - 5 numbers Garlic - 5 cloves Phyllanthus amarus (Keelanelli) – 50 grams Procedure: Grind all the ingredients and make slimy paste into small balls. The balls may be given in divided doses through oral route or mix with feed ingredients and can be given to the affected birds.
Livestock	General	In dairy animals, to improve fat and SNF in milk during summer season 50 - 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.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Sugarcane	Vegetative	Changing of climate condition resulted in occurring (or) emerging of pokkah boeng

	stage	disease in sugarcane. Infested plants will have stunted growth, yellowing of leaf and shriveling of leaf, etc. To control, this foliar spraying of Imidacloprid @ 7.5 ml / litre of water + Propiconazole @ 2 ml / litre of water + Bacteria mycin @ 1 gram / litre of water at evening time should be carried out.
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.
Coconut	Vegetative stage	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. Sooty mould can be controlled by spraying starch solution and allowing chrysoperla insect feeder @ 400 numbers and Encarsia parasitoid @ 100 / acre. Avoid using chemical pesticides.

Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	The prevailing weather conditions are favourable for Newcastle Disease in poultry. The main symptoms are twisting of neck and paralysis of wings and legs, Diarrhoea, Drop in egg production and sudden death. Desi birds should be vaccinated against Newcastle Disease on 7th day with F1 strain (Eye drop), on 28th day with Lasota (Eye drop) and on 56th day with RDVK vaccine. Along with that to reduce the incidence of Newcastle Disease use ethno veterinary medicine as follows Required Ingredients for 10 desi birds Cumin seeds (Seeragam) – 10 grams Black pepper (Milagu) - 5 grams Turmeric powder - 5 grams Small onion - 5 numbers Garlic - 5 cloves Phyllanthus amarus (Keelanelli) – 50 grams Procedure: Grind all the ingredients and make slimy paste into small balls. The balls may be given in divided doses through oral route or mix with feed ingredients and can be given to the affected birds.
Livestock	General	In dairy animals, to improve fat and SNF in milk during summer season 50 - 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.
Agro advisory from Krishi Vigyan Kendra		
Sugarcane	Vegetative stage	Changing of climate condition resulted in occurring (or) emerging of pokkah boeng disease in sugarcane. Infested plants will have stunted growth, yellowing of leaf and shriveling of leaf, etc. To control, this foliar spraying of Imidacloprid @ 7.5 ml / litre of water + Propiconazole @ 2 ml / litre of water + Bacteria mycin @ 1 gram / litre of water at evening time should be carried out.
Tapioca	Vegetative	Due to change in climate mealy bug incidence has been reported in Tapioca crop. To

	stage	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.
Coconut	Vegetative stage	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. Sooty mould can be controlled by spraying starch solution and allowing chrysoperla insect feeder @ 400 numbers and Encarsia parasitoid @ 100 / acre. Avoid using chemical pesticides.

Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	The prevailing weather conditions are favourable for Newcastle Disease in poultry. The main symptoms are twisting of neck and paralysis of wings and legs, Diarrhoea, Drop in egg production and sudden death. Desi birds should be vaccinated against Newcastle Disease on 7th day with F1 strain (Eye drop), on 28th day with Lasota (Eye drop) and on 56th day with RDVK vaccine. Along with that to reduce the incidence of Newcastle Disease use ethno veterinary medicine as follows Required Ingredients for 10 desi birds Cumin seeds (Seeragam) – 10 grams Black pepper (Milagu) - 5 grams Turmeric powder - 5 grams Small onion - 5 numbers Garlic - 5 cloves Phyllanthus amarus (Keelanelli) – 50 grams Procedure: Grind all the ingredients and make slimy paste into small balls. The balls may be given in divided doses through oral route or mix with feed ingredients and can be given to the affected birds.
Livestock	General	In dairy animals, to improve fat and SNF in milk during summer season 50 - 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.
Agro advisory from Krishi Vigyan Kendra		
Sugarcane	Vegetative stage	Changing of climate condition resulted in occurring (or) emerging of pokkah boeng disease in sugarcane. Infested plants will have stunted growth, yellowing of leaf and shriveling of leaf, etc. To control, this foliar spraying of Imidacloprid @ 7.5 ml / litre of water + Propiconazole @ 2 ml / litre of water + Bacteria mycin @ 1 gram / litre of water at evening time should be carried out.
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.
Coconut	Vegetative stage	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

		<p>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>
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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.

		<p>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.</p> <p>Apply cartaphydrochloride 50% SP @ 2g/l or flubendiamide 20 WG @ 0.25 g/l or thiamethoxam 25 WG @ 0.2 g/l.</p>
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. 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.</p>

