



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

## **DISTRICT LEVEL**

# **Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 031/2022**

For the period 0830 IST, 19<sup>th</sup> April 2022 to  
0830 IST, 24<sup>th</sup> April 2022

**Issued on Tuesday, 19<sup>th</sup> April 2022**

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, Thiruvarur, Karur, Perambalur, Ariyalur and Tiruchirapalli.	Adudurai
5	Southern zone	Virudhunagar, Tirunelveli and Thoothugudi	Kovilpatti
6	South Zone	Pudukkottai, Madurai, Dindigul, Theni, Ramanathapuram and Sivagangai	Kannivadi
7	High rainfall zone	Kanyakumari	Pechiparai
8	Hilly zone	Nilgiris	Ooty
9	Coastal Zone	Karaikal and Pondicherry	Karaikal



## Past Weather Summary for the period 15.04.22 to 18.04.22 for the State of Tamilnadu & Puducherry

### Temperature:

Maximum Temperature of range **32°C – 40°C** prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range **19°C – 23°C** during the period.

Minimum temperature of range **20°C - 29°C** prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range **10°C - 13°C** during the same period.

### Spatial distribution of Rainfall

Spatial distribution of Rainfall	Date	Area
Widespread (Most places)	--	--
Fairly widespread (Many places)	--	--
Scattered (Few Places)	17.04.22 & 18.04.22	Tamil Nadu
Isolated (One or Two Places)	15.04.22 & 16.04.22	Tamil Nadu
Dry	15.04.22, 16.04.22, 17.04.22 & 18.04.22	Puducherry

### Chief Amounts of Rainfall (in cms):-

**15.04.22** : Yercaud (dist Salem) 12, Upper Bhavani (dist Nilgiris) 7, Tiruppur (dist Tiruppur), Omalur (dist Salem) 6 each, Thirumoorthi Dam (dist Tiruppur), Burliar (dist Nilgiris), Ketti (dist Nilgiris), Alakarai Estate (dist Nilgiris), Pandalur (dist Nilgiris), Kumarapalayam (dist Namakkal) 5 each, Alangayam (dist Tirupattur), Coonoor PTO (dist Nilgiris), Naduvattam (dist Nilgiris) 4 each, Devala (dist Nilgiris), Danishpet (dist Salem), Odanchatram (dist Dindigul), Bhavani (dist Erode), Thammampatty (dist Salem), Dharmapuri PTO (dist Dharmapuri), Kangeyam (dist Tiruppur), Sholayar (dist Coimbatore), Uthukuli (dist Tiruppur), Gudalur Bazar (dist Nilgiris), Krishnagiri (dist Krishnagiri), Ambur (dist Tirupattur), Kothagiri (dist Nilgiris) 3 each, Annur (dist Coimbatore) , Vadapudupattu (dist Tirupattur) , Pennagaram (dist Dharmapuri) , Avalanche (dist Nilgiris) , Avinasi (dist Tiruppur) , Salem (dist Salem) , Coonoor (dist Nilgiris) , Hosur (dist Krishnagiri) , Perundurai (dist Erode) , Puduchatram (dist Namakkal) , Manimutharu (dist Tirunelveli) 2 each, Erode (dist Erode), Vaniyambadi (dist Tirupattur) , Bhavanisagar (dist Erode), Thekkadi (dist Theni) , Nedungal (dist Krishnagiri) , Marandahalli (dist Dharmapuri) , Gobichettipalayam (dist Erode), Barur (dist Krishnagiri) , Uthagamandalam (dist Nilgiris) , Dharamapuri (dist Dharmapuri), Denkanikottai (dist Krishnagiri) , Emeralad (dist Nilgiris) , Pollachi (dist Coimbatore) , Dindigul (dist Dindigul) , Hogenekal (dist Dharmapuri) , Shoolagiri (dist Krishnagiri) , Mohanur (dist Namakkal) 1 each.

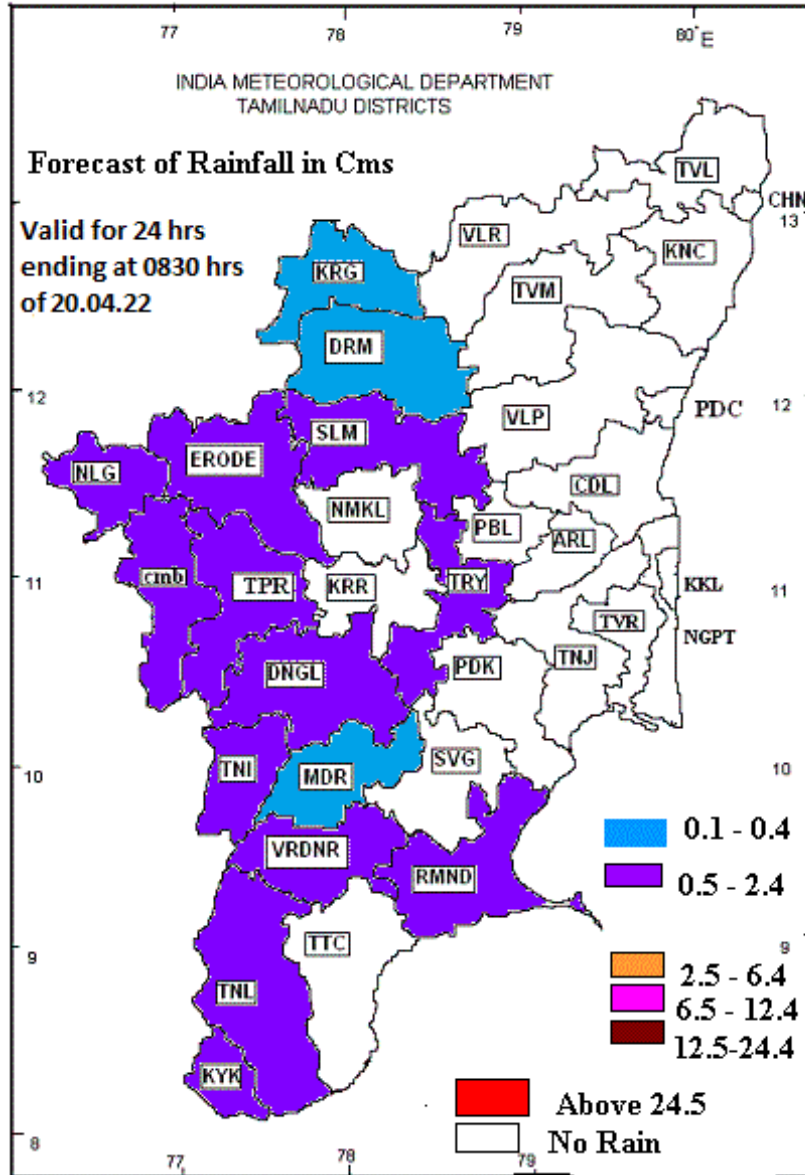
**16.04.22** : Uttamapalayam (dist Theni) - 7, Uthukuli (dist Tiruppur), Palavidithi (dist Karur) - 5 Each, Tiruppur PWD IB (dist Tiruppur), Kodanad (dist Nilgiris), Kariyakovil Dam (dist Salem) - 4 Each, Bodinayakanur (dist Theni), Glenmorgan (dist Nilgiris), Rajapalayam (dist Virudhunagar) - 3 Each, Mangalapuram (dist Namakkal), Aliyar (dist Coimbatore), Mettupalayam (dist Coimbatore), Naduvattam (dist Nilgiris), Kinnakorai (dist Nilgiris) - 2 Each, Tiruppur (dist Tiruppur), Bhavanisagar (dist Erode), Perundurai (dist Erode), K Bridge (dist Nilgiris), Coonoor PTO (dist Nilgiris), Geddai (dist Nilgiris), K.Paramathi (dist Karur) Yethapur (dist Salem), - 1 Each.

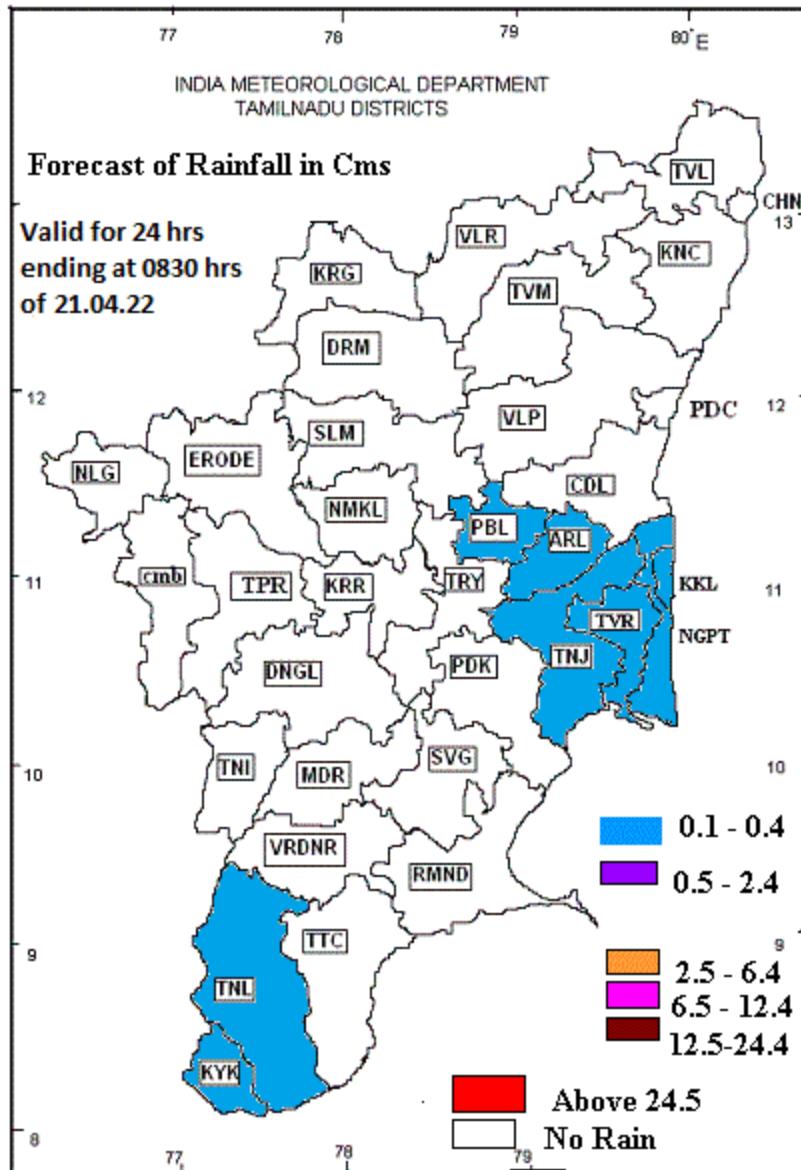
**17.04.22** : Manamelkudi (dist Pudukottai) 10, Peravurani (dist Thanjavur), Penucondapuram (dist Krishnagiri), Kattumannarkoil (dist Cuddalore) 6 each, Madukkur (dist Thanjavur) 5, Pattukottai (dist Thanjavur) 4, Sirkali (dist Mayiladuthurai), Neyveli AWS (dist Cuddalore), Periyakulam (dist Theni), Orthanad (dist Thanjavur), Pennagaram (dist Dharmapuri) 3 each, Pelandurai (dist Cuddalore), Kumbakonam (dist Thanjavur), Manalmedu (dist Mayiladuthurai), Jayamkondam (dist Ariyalur), Salem (dist Salem), Andipatti (dist Theni), Thanjai Papanasam (dist Thanjavur), Ayyampettai (dist Thanjavur), Nannilam (dist Tiruvarur), Puduchatram (dist Namakkal), Thammampatty (dist Salem), Vedaranyam (dist Nagapattinam), Ariyalur (dist Ariyalur), Vadipatti (dist Madurai), Palacode (dist Dharmapuri), Vaniyambadi (dist Tirupattur), Chengam (dist Tiruvannamalai), Kallakurichi (dist Kallakurichi), Omalur (dist Salem), Sethiathope (dist Cuddalore) 2 each, Manjalaru (dist Thanjavur), Kothagiri (dist Nilgiris), Uthagamandalam (dist Nilgiris), Harur (dist Dharmapuri), Mettupatti (dist Madurai), Pappireddipatti (dist Dharmapuri), Yercaud (dist Salem), Nagapattinam (dist Nagapattinam), Sendurai (dist Ariyalur), Kollidam (dist Mayiladuthurai), Mannargudi (dist Tiruvarur), Polur (dist Tiruvannamalai), Valangaiman (dist Tiruvarur), Rasipuram (dist Namakkal), Adirampatnam (dist Thanjavur), Tiruvarur (dist Tiruvarur), Tiruvannamalai (dist Tiruvannamalai), Danishpet (dist Salem), Ulundurpet (dist Kallakurichi), Thali (dist Krishnagiri), Keelpennathur (dist Tiruvannamalai), Srimushnam (dist Cuddalore), Barur (dist Krishnagiri), Denkanikottai (dist Krishnagiri), Thirumanur (dist Ariyalur), Perunchani Dam (dist Kanyakumari), Thanjavur PTO (dist Thanjavur), Colachel (dist Kanyakumari), Upper Bhavani (dist Nilgiris), Sendamangalam (dist Namakkal), Nedungal (dist Krishnagiri), Anjatti (dist Krishnagiri), Kodavasal (dist Tiruvarur), Thalaigayyer (dist Nagapattinam) 1 each.

**18.04.22** : Thiyagadurgam (dist Kallakurichi), Sulangurichi (dist Kallakurichi) 7 each, Puduchatram (dist Namakkal), Rameswaram (dist Ramanathapuram), Bhavani (dist Erode), Kalayanallur (dist Kallakurichi) 6 each, Kamudhi (dist Ramanathapuram), Ettayapuram (dist Toothukudi), Edapadi (dist Salem), Kallikudi (dist Madurai), Mandapam (dist Ramanathapuram), Yercaud (dist Salem), Mangalapuram (dist Namakkal), Virugavoor (dist Kallakurichi),Vengur (dist Kallakurichi) 5 each, Vedasandur (dist Dindigul), Kallakurichi (dist Kallakurichi), Rshivandhiyam (dist Kallakurichi), Keelpadi (dist Kallakurichi), Melur (dist Madurai), Palacode (dist Dharmapuri), Thaniyamangalam (dist Madurai), Kodanad (dist Nilgiris), Moorapalayam (dist Kallakurichi), Madampoondi (dist Kallakurichi), Manalurpet (dist Kallakurichi), Mugaiyur (dist Villupuram) 4 each, Musiri (dist Trichy), Mettur (dist Salem), Sankarapuram (dist Kallakurichi), Jayamkondam (dist Ariyalur), Attur (dist Salem), Tirupathur PTO (dist Tirupattur), Kumarapalayam (dist Namakkal), Tirukoilur (dist Kallakurichi), Chinnakalar (dist Coimbatore), Pulipatti (dist Madurai), Pelandurai (dist Cuddalore), Paramakudi (dist Ramanathapuram), Pamban (dist Ramanathapuram), Marungapuri (dist Trichy), Erode (dist Erode), Manamadurai (dist Sivaganga), Gobichettipalayam (dist Erode), Virudachalam (dist Cuddalore), Sendamangalam (dist Namakkal), Kulithalai (dist Karur) 3 each, Coimbatore AWS (dist Coimbatore), Dharmapuri PTO (dist Dharmapuri), Vathalai Anaicut (dist Trichy), Ayikudi (dist Tenkasi), Tiruchengode (dist Namakkal), Marandahalli (dist Dharmapuri), Amaravathy Dam (dist Tiruppur), Maniyachi (dist Toothukudi), Sendurai (dist Ariyalur),

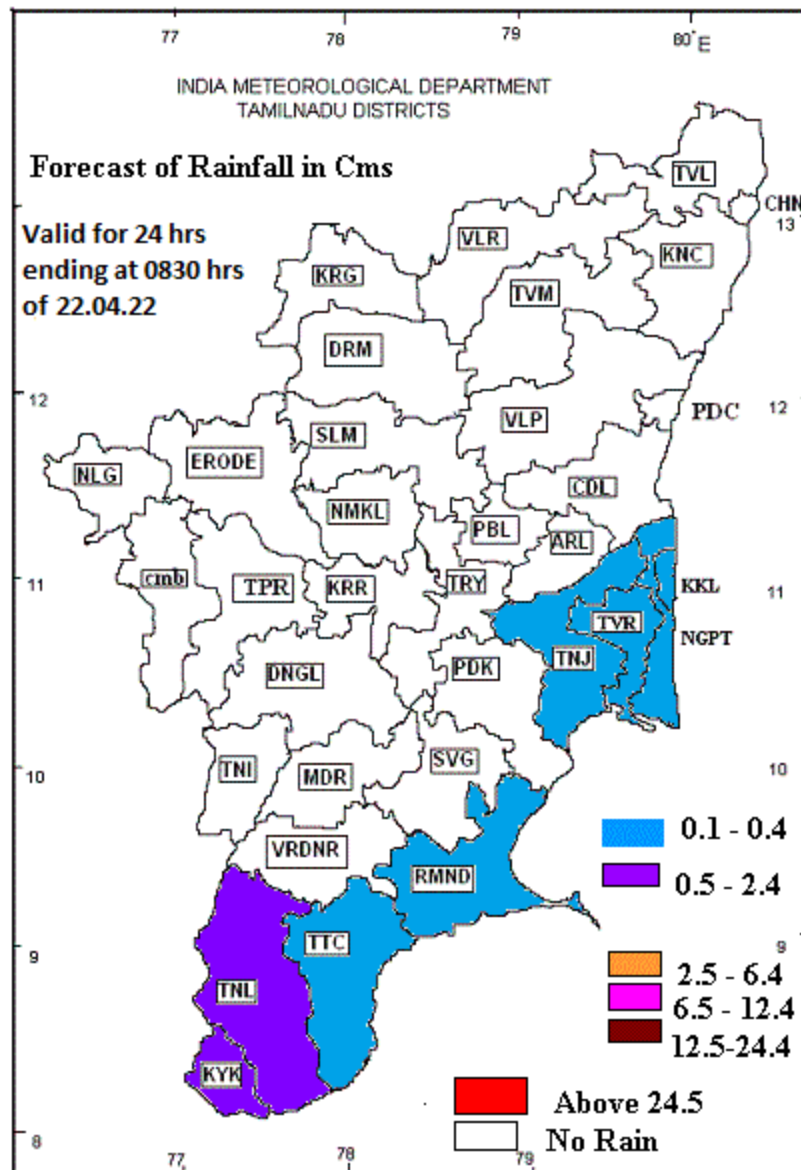
Pollachi (dist Coimbatore), Pennagaram (dist Dharmapuri), Perundurai (dist Erode), Rasipuram (dist Namakkal), Samayapuram (dist Trichy), Madurai South (dist Madurai), Barur (dist Krishnagiri), Tallakulam (dist Madurai), Avinasi (dist Tiruppur), Alangayam (dist Tirupattur), Kangeyam (dist Tiruppur), Kothagiri (dist Nilgiris), Thammampatty (dist Salem), Salem (dist Salem), Srimushnam (dist Cuddalore), Palani (dist Dindigul), Rayakottah (dist Krishnagiri), Aravakurichi (dist Karur), Peelamedu AP (dist Coimbatore), Omalur (dist Salem), Viraganur Dam (dist Madurai), Lower Anaicut (Thanjavur) 2 each, Karur (dist Karur), Melalathur (dist Vellore), Sulur (dist Coimbatore), Ulundurpet (dist Kallakurichi), Usilampatti (dist Madurai), Madurai Airport (dist Madurai), Kovilankulam (dist Virudhunagar), Nedungal (dist Krishnagiri), Perunchani Dam (dist Kanyakumari), Kayathar (dist Toothukudi), Thenkasi (dist Tenkasi), Vembakottai (dist Virudhunagar), Mudukulatur (dist Ramanathapuram), Aruppukottai (dist Virudhunagar), Chittampatti (dist Madurai), Keelpennathur (dist Tiruvannamalai), Hogenekal (dist Dharmapuri), Penucondapuram (dist Krishnagiri), Veeraganoor (dist Salem), Agaram Seegoor (dist Perambalur), Pandavaiyar Head (dist Tiruvarur), Ponnamaravathi (dist Pudukkottai), Tozhudur (dist Cuddalore), Krishnagiri (dist Krishnagiri), Vepur (dist Cuddalore), Palayamkottai (dist Tirunelveli), Dharmapuri (dist Dharmapuri), Kamatchipuram (dist Dindigul), Kayathar ARG (dist Toothukudi), Pilavakkal (dist Virudhunagar), Tirupattur (dist Tirupattur), Gudalur Bazar (dist Nilgiris), Kadavur (dist Karur), Rajapalayam (dist Virudhunagar), Sattur (dist Virudhunagar), Puthan Dam (dist Kanyakumari) 1 each.

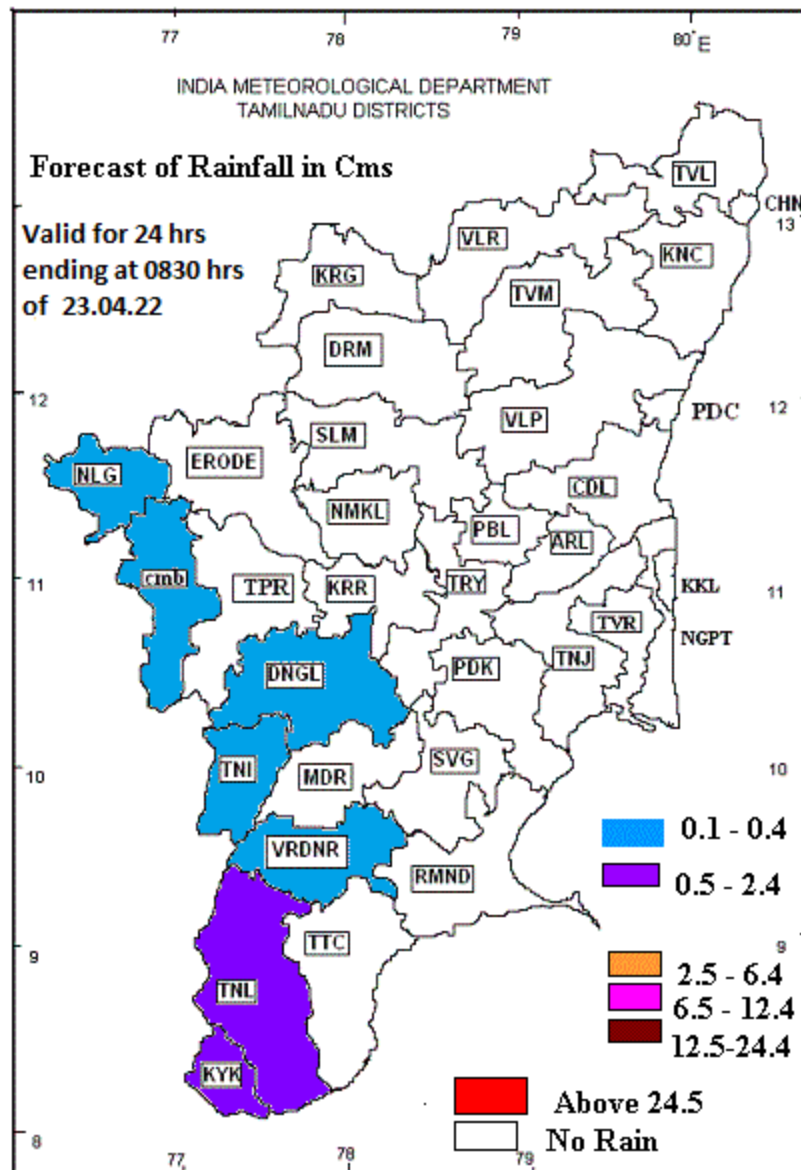
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 19.04.22  
VALID FOR THE NEXT 5 DAYS**

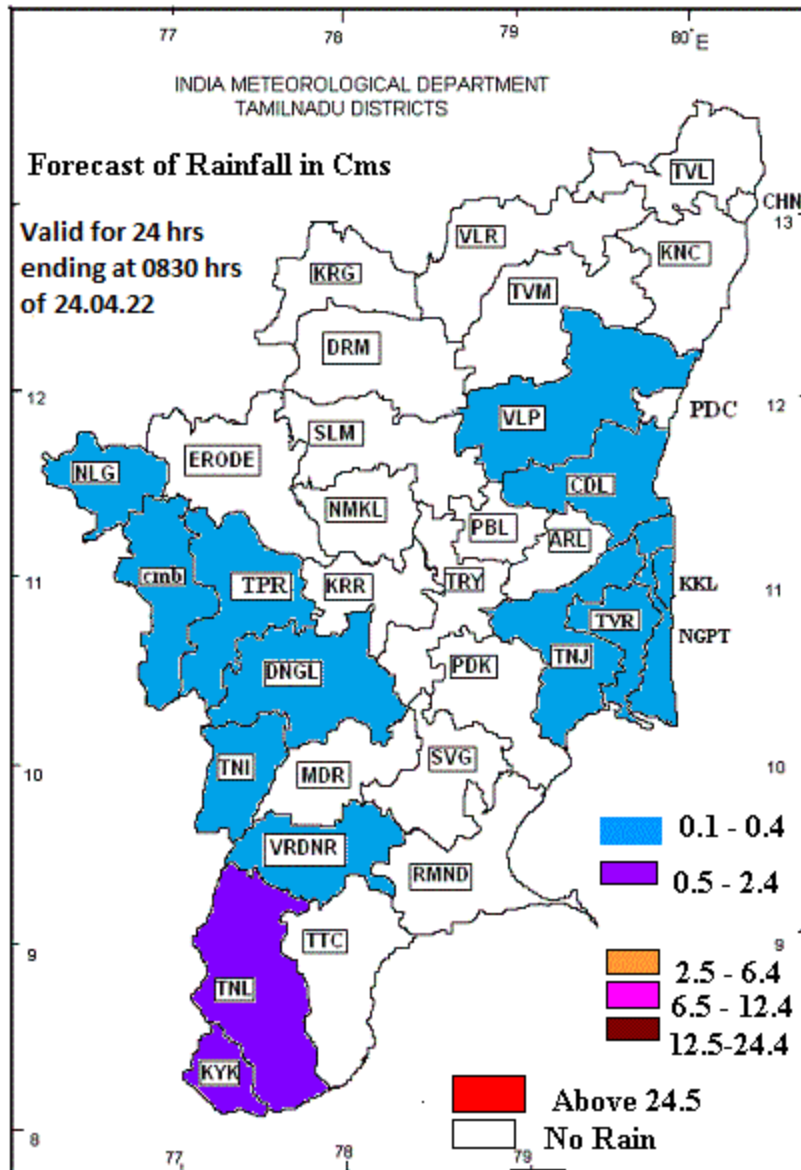












## Districtwise Agromet Advisories

### Chennai

SMS Advisory: Any bruises or wound noticed must be given first aid with fly repellent or neem oil with necessary veterinary care. Livestock Advisory 1. The farmers should avoid allowing the animals to graze in hot parts of the day. 2. Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor. 3. Dry fodder's and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin. 4. Increasing the frequency of feeding from three to four times per day to high yielding crossbreed, dairy cattle would nominally increase milk production and at the same time will reduce the heat stress. 5. When the air temperature is above 35 degrees Celsius the dairy cattle tend to drink more water thereby decreasing the Dry Matter Intake (DMI). Hence to overcome this succulent protein rich green fodder mixed with green fodder may be provided to livestock. 6. White pigs meant for fattening purpose which are fed with high fat containing swill feed would suffer heat load during digestion, during summer season. Hence to prevent this fat containing swill feed should be fed during late evening hours. 7. Rabbitaries with asbestos/metal roofs will experience more heat during summer, hence covering the roof with coconut leaves or gunny bags and splashing water over them will reduce the inner micro climate of rabbit shed. 8. Provision of cool wholesome drinking water to poultry during summer is essential.

### Kancheepuram

From the extended range forecast of IMD, below normal rainfall, moderately above normal maximum temperature and minimum temperature expected for the period of 24.04.2022 to 30.04.2022 over Tamil Nadu and Pondicherry region. Farmers are advised to irrigate their crop fields depends on the soil moisture availability. Farmers are advised to take up summer ploughing in paddy fields after the harvest of crops.

Crop(Varieties)	Crop Specific Advisory
BLACK GRAM	There are possibilities of leaf virus transmitting Leaf Crinkle disease infestation in Black gram crop. For management farmers may spray notch leaf extract @ 10% or methyl demeton 25 EC @ 500 ml/ha.
OKRA/ LADYFINGER	There are possibilities of fruit borer infestation in bhendi crop. For management farmers are advised to spray Emamectin benzoate 5 % SG @ 4 gram/10 liter of water.
Horticulture(Va rieties)	Horticulture Specific Advisory
BRINJAL	There are possibilities of mite in Brinjal crop. For management farmers are advised to spray wettable sulphur 50 WP 2g/lit or dicofol 18.5 EC 2.5 ml/lit.
BOTTLE GOURD	Forecasted weather may cause fruit fly infestation in cucurbit crops. For management farmers may apply carbary @ 0.15%.
Live Stock(Varieties)	Live Stock Specific Advisory

COW	Farmers are advised not to allow animals for grazing during hot part of the day. Farmers are advised to provide clean potable water adlibidum to animals to combat dehydration in animals during summer season.
GOAT	Farmers are advised to provide concentrate feed after grazing to goats to maintain the body weight. Farmers are advised to provide mineral block to sheep and goat shed to improve growth rate in animals.
Fisheries(Varieties)	Fisheries Specific Advisory
INLAND	Farmers may follow the fish pond feeding at 7.00-8.00 AM in morning and 4.00-5.00 PM in evening. Fish farmers are advised to observe the water Colour and odour of water, if any dark green colour and unwanted odour is observed follow 10-20% water exchange to remove the debris.
COMMON FISH	Farmers are advised to maintain the fish/prawn water transparency of 30-45 cm regularly and also advised to use inorganic or organic manure to maintain the natural productivity.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Provide B-Complex liquid supplementation through drinking water to poultry birds to combat heat stress. Farmers are advised to reduce the number of birds in a unit area of poultry shed to overcome the heat stress.

### Villupuram

SMS Advisory: Any bruises or wound noticed must be given first aid with fly re necessary veterinary care.

Livestock Advisory: 1. The farmers should avoid allowing the animals to graze in hot parts of the day. 2. Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor. 3. Dry fodder's and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin 4. Increasing the frequency of feeding from three to four times per day to high yielding crossbreed, dairy cattle would nominally increase milk production and at the same time will reduce the heat stress. 5. When the air temperature is above 35 degrees Celsius the dairy cattle tend to drink more water thereby decreasing the Dry Matter Intake (DMI). Hence to overcome this succulent protein rich green fodder mixed with green fodder may be provided to livestock. 6. White pigs meant for fattening purpose which are fed with high fat containing swill feed would suffer heat load during digestion, during summer season. Hence to prevent this fat containing swill feed should be fed during late evening hours. 7. Rabbitaries with asbestos/metal roofs will experience more heat during summer, hence covering the roof with coconut leaves or gunny bags and splashing water over them will reduce the inner micro climate of rabbit shed. 8. Provision of cool wholesome drinking water to poultry during summer is essential.

Agricultural advisory Rice: Alage in paddy field reduces the growth of crops. To control apply, 2 kg of coppersulphate mix with sand. 2. Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray chlorantraniliprole 18.5% 150ml/ha or flubendiamide 39.35 SC 50 g/ha during morning or evening hours. Sugarcane: Due to prevailing weather condition changes of sugarcane early shoot borer infection. To control spray chlorantraniliprole 18.5 SC (0.5 ml/l) or fipronil 5 % SC (2 ml/l). Cashew: To control tea mosquito bug first spraying with thiamethoxam 25% WG (100 g/ha) at flushing stage, second spraying with

chlorpyrifos 2.0 ml/lit at flowering and third spraying with profenophos 1.0 ml/lit at fruit set stage  
Banana: Normally summer rain accompanied with squally wind. Therefore stacking may be given to be five months old and above banana crops.

### Thiruvannamalai

SMS Advisory: Any bruises or wound noticed must be given first aid with fly repellent or neem oil with necessary veterinary care. Livestock Advisory: 1. The farmers should avoid allowing the animals to graze in hot parts of the day. 2. Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor. 3. Dry fodder's and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin 4. Increasing the frequency of feeding from three to four times per day to high yielding crossbreed, dairy cattle would nominally increase milk production and at the same time will reduce the heat stress. 5. When the air temperature is above 35 degrees Celsius the dairy cattle tend to drink more water thereby decreasing the Dry Matter Intake (DMI). Hence to overcome this succulent protein rich green fodder mixed with green fodder may be provided to livestock. 6. White pigs meant for fattening purpose which are fed with high fat containing swill feed would suffer heat load during digestion, during summer season. Hence to prevent this fat containing swill feed should be fed during late evening hours. 7. Rabbitaries with asbestos/metal roofs will experience more heat during summer, hence covering the roof with coconut leaves or gunny bags and splashing water over them will reduce the inner micro climate of rabbit shed. 8. Provision of cool wholesome drinking water to poultry during summer is essential. Agricultural advisory Rice Rice ear head bug in rice symptom of sucking the sap from individual grains, which are in milky stage. Individual grains become chaffy. To Control ear head bug in rice, spray thiamethoxam 1gm/ litre of water and Notchi leaf extract 10 %. Chilli Prevailing weather condition is favorable for thrips incidence in chilli. The symptom of damage is infected leaves develop crinkles and curl upwards. Hence farmers are requested to monitor the field and spray fipronil 1.5ml/litre. Banana To control panama wilt in banana, soil drenching with copper oxy chloride 2 g/litre. Coconut To control Rugose Spiraling Whitefly in coconut, spray neem oil@10ml or azadiractin 1%@5ml/litre or Installation of yellow sticky traps ( 5ft. X 1.5 ft.) smeared with castor oil @ 5ml ac. To control rhinoceros beetle in coconut, apply neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown Papaya To control aphids in papaya , spray Imdachloprid @ 0.5 ml / litre.

### Thiruvallur

From extended range forecast Normal rainfall and Moderately above normal maximum temperature & minimum temperature expected for the period of 24.04.2022 to 30.04.2022 over Tamil Nadu. Based on soil moisture provide irrigation to the crop.

Crop(Varieties)	Crop Specific Advisory
RICE	Rice- Reproductive to Ripening Phase - 1. Stem bore (White ear)- Spray Azadirachtin 0.03% 400 ml 200 litres of water (Or) Flubendiamide 20% WG 50g/Acre.or Chlorantraniliprole 18.5 SC 60 ml per acre in 200 litres of water; 2. Leaf folder- Spray Acephate 75 % SP 400 ml (Or) Spray Azadirachtin 0.03% 400ml per acre in 200 litres of water; 3.False smut- Spray for Propiconazole 25 EC @ 200 ml/ha (or) Copper hydroxide 77 WP @ 500g /acre at boot leaf and 50% flowering stages; 4.Ear head bug- Spray Neem seed kernel extract 5% (or) spray Malathion 50EC 200 ml/acre.

BLACK GRAM	Black gram- Spotted pod borer- Spray Thiodicarb 75% WP 250g per acre in 200 litres of water .
SUGARCANE	Sugarcane-Early shoot borer- Spray Thiamethoxam 75% w/w SG @ 64 g (or) Spray Chlorantraniliprole 18.5 % SC @ 150 ml per acre in 200 litre of water.
Horticulture(Varieties)	Horticulture Specific Advisory
CHILLI	Chilli- 1. Thrips- Spray imidacloprid 17.8% SL 3 ml/ 10 litre of water (OR) Spray fipronil 5% SC 1.5 ml/ 1 liter of water; 2.Yellow muranai mite- Spray Buprofezin 25 SC 8.0 ml /10 lit (or) Spray Emamectin benzoate 5 SG 4 g /10 lit.
BRINJAL	Brinjal- Fruit borer- Spray Neem Seed Kernel Extract 5 % (or) Spray Dimethoate 30 % EC 7.0 ml/10 l. and Encourage the activity of larval parasitoids: Pristomerus testaceus, Cremastus flavoorbitalis.
COCONUT	Coconut- Rugose Spiralling Whitefly- 1.Release of Encarsia guadeloupae @ 100 parasitoids /ac (10 leafbits/ac); 2. Installation of yellow sticky traps (5 ft. x 1.5 ft.) smeared with castor oil @ 5/ ac; 3.Release of Chrysoperla zastrowi sillemi eggs @ 500/ac in young palm; 4. Spray Neem Oil 5ml/l and Sooty mould spray 5% maida.
MANGO	Mango- Anthracnose- Spray copper oxychloride 50% WG @ 2.4 g/l.
GUAVA	Guava- Fruit fly- 1. Set up methyl eugenol 0.1% solution mixed with malathion 50 EC @ 1 ml/lit @ 4/acre; 2. Neem oil 3 %.

### Vellore

As per the IMD extended range forecast (ERF), Tamil Nadu and Puducherry may be receive normal rainfall and above normal temperature for the period of 24.04.2022 to 30.04.2022. Prevailing weather condition is favourable for sucking pest incidence for all crops. Farmers are advised to monitor their field and take necessary plant protection measures based on symptoms of damage. Dry weather may be expected on next five days. So farmers are request to irrigate the field based on soil moisture.

Crop(Varieties)	Crop Specific Advisory
RICE	Rice ear head bug in rice symptom of sucking the sap from individual grains, which are in milky stage. Individual grains become chaffy. To Control ear head bug in rice, spray thiamethoxam 1gm/ litre of water and Notchi leaf extract 10 %.
Horticulture(Varieties)	Horticulture Specific Advisory
CHILLI	Prevailing weather condition is favorable for thrips incidence in chilli. The symptom of damage is infected leaves develop crinckles and curl upwards. Hence farmers are requested to monitor the field and spray fipronil 1.5ml/litre.
Horticulture(Varieties)	Horticulture Specific Advisory
BANANA	To control panama wilt in banana, soil drenching with copper oxy chloride 2 g/litre.

COCONUT	To control Rugose Spiraling Whitefly in coconut, spray neem oil@10ml or azadiractin 1%@5ml/litre or Installation of yellow sticky traps ( 5ft. X 1.5 ft.) smeared with castor oil @ 5ml ac.
PAPAYA	To control aphids in papaya , spray Imidachloprid @ 0.5 ml / litre.
Live Stock(Varieties )	Live Stock Specific Advisory
COW	Keep cow and buffalos in shaded area and give clean & cool drinking water at all the time. Bath the cow and buffaloes at morning and evening. Don't allow for grazing during hot summer time. When heat stroke occur the animal respirate rapidly and more frothy salivation happen give Electro best powder or ORS powder 20 gram in 20 litre of water for drink. Vaccinate the cow and buffalo with foot and mouth disease vaccine.
GOAT	Don't allow sheep and goat for grazing during hot summer. Keep animal in shaded area and give fresh and clean drinking water at all time. Give FMD Vaccination. Give powder Electrobest 5 gm in 5 liter of drinking water to each sheep/goat at noontime.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Give clean and cold drinking water at all time. Give LASOTA Vaccine as Eye drops for chicks below 1month of age and give vaccine RDVK for adult birds. Curd, butter milk, green leaves, green fodder can be given at noon time. Give more space and more ventilation to avoid heat stress. Give Polc or Electro best @ dose of 1gm in one litre of drinking water during day time.

### Cuddalore

From extended range forecast normal rainfall, moderately above normal maximum temperature and minimum temperature expected for the period of 24.04.2022 to 30.04.2022 over Tamil Nadu. Due to above normal maximum and minimum temperature farmers are advised to avoid farming activities during noon time.

Crop(Varieties)	Crop Specific Advisory
RICE	1. Alage in paddy field reduces the growth of crops. To control apply, 2.0 kg of copper sulphate mix with sand. 2. Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray chlorantraniliprole 18.5% 150 ml/ha or flubendiamide 39.35 SC 50 g/ha during morning or evening hours.
SUGARCANE	Due to prevailing weather condition changes of sugarcane early shoot borer infection. To control spray chlorantraniliprole 18.5 SC (0.5 ml/l) or fipronil 5 % SC (2 ml/l).
COCONUT	1. Installation of yellow sticky traps (25 Nos./ ha) on the palm trunk to trap the adult whiteflies. 2. Encourage buildup of parasitoids (Encarsia sp.) and reintroduce parasitized pupae at emerging zones of whitefly outbreak. 3. In sever case, spray



	neem oil 20 ml/l of water or spray Azadirachtin 2.0 ml/l of water with 1.0 ml of sticking agent.
Live Stock(Varieties)	Live Stock Specific Advisory
GOAT	Farmers are advised to apply Butox solution (2.0 ml in 1 litre water) externally to remove ecto-parasites in sheep and goats

### Coimbatore

#### Agro Advisory

Crop	Stage	Advisory
General		Light rainfall with lightning and thunder is expected in western zone districts. Postpone irrigation to all crops based on soil moisture and apply crop residue mulch to reduce water loss through evaporation. Summer ploughing against the slope is advised to conserve the anticipated rain.
Cumbu	Sowing	Since rain is anticipated, continue the Cumbu sowing with adequate drainage.
Groundnut		Prevailing weather is favorable for the tikka leaf spot incidence in Groundnut. Spray Carbendazim @ 500 gram or Mancozeb @1000 gram per ha.
Sugarcane		Because of rainfall and cloudy weather iron deficiency has been noticed in early season planted sugarcane. Spray 1% ferrous sulphate with 1% Urea at 15 days interval till deficiency symptoms clear.
Banana		Normally summer rain accompanied with squally wind. Therefore stacking may be given to be five months and above banana crop.
Turmeric	Land preparation	Considering the prevailing weather ploughing may be done for planting turmeric and apply FYM @ 12.5 tons per hectare.
Coconut		Basin of Coconut may be harrowed with spade and khurpi or hand hoe to conserve rain water received from anticipated rainfall.
Animal		Summer rain may be accompanied with thunders and lightening, hence animals may not be allowed for open grazing during the rain hours. Farmers are requested to cut off the power connection to the cattle and poultry sheds during thunderstorm and lightening. Further requested to safeguard the fodder and food materials from the rain. In some places Thullumari disease is observed in sheep and goats hence farmers are requested to allow the sheep and goats only during sunshine hours further they are requested to vaccinate in nearby veterinary hospital.

#### SMS advisory

Summer rain will accompany with squally wind. Therefore stacking may be given to be five months and above banana crop.

## Erode

### Agro Advisory

Crop	Stage	Advisory
General		Light rainfall with lightning and thunder is expected in western zone districts. Postpone irrigation to all crops based on soil moisture and apply crop residue mulch to reduce water loss through evaporation. Summer ploughing against the slope is advised to conserve the anticipated rain.
Cumbu	Sowing	Since rain is anticipated, continue the Cumbu sowing with adequate drainage.
Groundnut		Prevailing weather is favorable for the tikka leaf spot incidence in Groundnut. Spray Carbendazim @ 500 gram or Mancozeb @1000 gram per ha.
Cotton	Sowing	This is the best time for sowing irrigated cotton. Delinted seed may be sown after the seed treatment with Trichoderma viridie, followed by Azophos biofertilizer.
Sugarcane		Because of rainfall and cloudy weather iron deficiency has been noticed in early season planted sugarcane. Spray 1% ferrous sulphate with 1% Urea at 15 days interval till deficiency symptoms clear.
Banana		Normally summer rain accompanied with squally wind. Therefore stacking may be given to be five months and above banana crop.
Turmeric	Land preparation	Considering the prevailing weather ploughing may be done for planting turmeric and apply FYM @ 12.5 tons per hectare.
Coconut		Basin of Coconut may be harrowed with spade and khurpi or hand hoe to conserve rain water received from anticipated rainfall.
Animal		Summer rain may be accompanied with thunders and lightening, hence animals may not be allowed for open grazing during the rain hours. Farmers are requested to cut off the power connection to the cattle and poultry sheds during thunderstorm and lightening. Further requested to safeguard the fodder and food materials from the rain. In some places Thullumari disease is observed in sheep and goats hence farmers are requested to allow the sheep and goats only during sunshine hours further they are requested to vaccinate in nearby veterinary hospital.

### SMS advisory

Summer rain will accompany with squally wind. Therefore stacking may be given to be five months and above banana crop.

## Tiruppur

### Agro advisory

Crop	Stage	Advisory
General		Light rainfall with lightning and thunder is expected in western zone districts.

		Postpone irrigation to all crops based on soil moisture and apply crop residue mulch to reduce water loss through evaporation. Summer ploughing against the slope is advised to conserve the anticipated rain.
Groundnut		Prevailing weather is favorable for the tikka leaf spot incidence in Groundnut. Spray Carbendazim @ 500 gram or Mancozeb @1000 gram per ha.
Cotton	Sowing	This is the best time for sowing irrigated cotton. Delinted seed may be sown after the seed treatment with Trichoderma viridie, followed by Azophos biofertilizer.
Sugarcane		Because of rainfall and cloudy weather iron deficiency has been noticed in early season planted sugarcane. Spray 1% ferrous sulphate with 1% Urea at 15 days interval till deficiency symptoms clear.
Banana		Normally summer rain accompanied with squally wind. Therefore stacking may be given to be five months and above banana crop.
Coconut		Basin of Coconut may be harrowed with spade and khurpi or hand hoe to conserve rain water received from anticipated rainfall.
Animal		Summer rain may be accompanied with thunders and lightening, hence animals may not be allowed for open grazing during the rain hours. Farmers are requested to cut off the power connection to the cattle and poultry sheds during thunderstorm and lightening. Further requested to safeguard the fodder and food materials from the rain. In some places Thullumari disease is observed in sheep and goats hence farmers are requested to allow the sheep and goats only during sunshine hours further they are requested to vaccinate in nearby veterinary hospital.

#### SMS advisory

Summer rain will accompany with squally wind. Therefore stacking may be given to be five months and above banana crop.

### Nilgiris

#### Agro Advisory

Crop	Stage	Advisory
General		Next five days rainfall expected at isolated places. Avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Harvest the matured crop immediately and store the harvested products at safe places.
Potato		While planting potato for this season, use disease resistant varieties like Kufri Giridhari and Kufri Swarna.
Carrot		To control nematode in carrot crop, apply Paecilomyces lilacinus @ 10 kg / ha at the time of sowing along with well decomposed farm yard manure.
Cabbage		In cabbage crop, to avoid root knot nematode infestation, follow the seed treatment with 10 grams of Paecilomyces, 10 grams of Trichoderma and 10 grams of Pseudomonas per kg of seed.

Cattle		Due to rainfall, allow the animals to graze outside, do not standing near the trees or electric poles. Provide adequate dry feed/fodder and drinking water.
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SMS advisory

Next five days rainfall expected at isolated places. Avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Harvest the matured crop immediately and store the harvested products at safe places.

**Ariyalur, Karur, Nagapattinam, Perambalur, Thanjavur and Thiruvarur**

Agro Advisory

Crop	Stage	Advisory
Vegetable		Since light rainfall forecasted for the coming days, postponed the irrigation and pesticide application to the vegetable crops.
Pulses		Harvest the matured blackgram and greengram plants and sundry the harvested pulses and store at below 9% moisture.
		For ensuing summer irrigated sowing, ADT 5 blackgram variety is suitable
Green manure		Rising of green manure crops like daincha, sunnhemp and kolinji can be done by utilizing the forecasted rainfall.
Livestock	Cattle and Goat	Calves above 3 months and sheep and goat above 2 months should be vaccinated against Foot and Mouth disease

SMS advisory

Since light rainfall forecasted for the coming days, postponed the irrigation and pesticide application to the vegetable crops.

**Dindigul**

Heavy Rainfall Warning: Heavy rain is likely to occur at isolated places over the district on 20 April 2022. Farmers are advised to avoid irrigation, intercultural operations and application of plant protection measures to the standing crops, and provide adequate drainage facilities in the fields to avoid water stagnation due to heavy rainfall. Thunderstorm with lightning is likely to occur at isolated places over the Tamilnadu on 20 2022. Farmers are advised to take precautionary measures while grazing/herding the sheep, goat, cow on agriculture land for manuring purpose. Do not allow the animals to graze outside, standing near the trees or electric poles. Provide safe shelter for your livestock. Chances of Moderate rain on 20 Apr & light rain on 24 Apr. Max temp-36°C-37°C & Min temp -24°C-25°C. Partly cloudy sky for next 5 days. Wind speed 6 kmph from SW & SE directions.

Horticulture(Varieties)	Horticulture Specific Advisory
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COCONUT	Application of Bio-fertilizer for Coconut is an important practice, utilizing the moisture due to recent rainfall, farmers are advised to mix and apply 50gm of Azospirillum, 50gm of Phosphobacteria and 50gm of VAM with sufficient quantity of compost or FYM per palm. Apply this mix near the feeding roots of palm. Starting from planting time, do this process once in every six months. Don't mix bio inputs with any chemical fertilizers and pesticides.
TOMATO	Due to the prevailing weather condition the incense of Pinworm in tomatoes. The symptoms are mining of leaves, stems and pinholes on fruits. To manage this collect and destroy the pinworm affected plants & fruits and to control keep pheromone traps @ 6 nos./acre. Spray Flubendiamide 20% WG @ 25 ml or Azadirachtin (1% or 5%) @ 1 litre/acre.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Prevailing weather is favourable for skin infection and disease transmission in livestock. So, contact the nearby veterinarian and take his advice. Animals should not be allowed to walk long distances while grazing. A high amount of green fodder and concentrated feed should be provided to livestock. Increase the feeding frequency of the livestock.

#### Madurai

**THUNDERSTORM WARNING:** Thunderstorm with lightning is likely to occur at isolated places over the Tamilnadu on 20 April 2022. Farmers are advised to take precautionary measures while grazing/herding the sheep, goat, cow on agriculture land for manuring purpose. Do not allow the animals to graze outside, standing near the trees or electric poles. Provide safe shelter for your livestock. Chances of light rain on 20 Apr. Max temp-39°C-40°C & Min temp -26°C-27°C. Partly cloudy sky for next 5 days. Wind speed 6 kmph from SW & SE directions.

Crop(Varieties)	Crop Specific Advisory
SUGARCANE	Prevailing weather condition is suitable for fertilizer application in Sugarcane. Apply 225 kg of nitrogen and 112 ½ kg of K <sub>2</sub> O/ha in three equal splits at 30, 60 and 90 days. Mix 12 pockets (2400g/ha) of Azospirillum with 25 kg of FYM and apply near the clumps after the 30th day of planting. Repeat the same on 60th & 90th day with another 12 pockets (2400 gm).
SESAME (GINGELLY/TIL)	Due to the prevailing weather condition, 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.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Prevailing weather is favourable for skin infection and disease transmission in livestock. So, contact the nearby veterinarian and take his advice. Animals should not be allowed to walk long distances while grazing. A high amount of green fodder and concentrated feed should be provided to livestock. Increase the feeding frequency of the livestock.

## Pudukottai

Extended Range Forecast For Tamil Nadu 24 .04.2022 to 30.04.2022. During the Week from 24 th to 30 th April Rainfall Normal . Maximum temperature and minimum temperature Moderately Above Normal is likely to occur over Tamilnadu. Since dry weather is expected in next five days, irrigate the sesame, sugarcane and rice fallow cotton crops.

Crop(Varieties)	Crop Specific Advisory
BLACK GRAM	Since dry weather is expected in next five days,Harvest the matured blackgram , greengram and Groundnut plant.
BLACK GRAM	Foliar spray of TNAU Pulse Wonder @ 2 kg/acre in 200 litres of water at flower initiation stage decreases flower shedding, increases yield and moisture stress tolerance. in summer black gram
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Due to the prevailing weather condition, mulching technology can be practiced in Coconut grove to reduce the water evaporation, Apply coconut husks with convex surface facing upwards (100 Nos.) or dried coconut leaves (15 Nos) or coir pith up to a height of 10 cm in the basin of 1.8m radius around the palms as mulch for soil moisture conservation particularly during summer season.
TOMATO	Due to the prevailing weather condition the Early leaf blight disease is predominant in tomato growing areas. For the management of this disease, remove and destroy the infected crop debris. For effective disease control, spray the crop with Chlorothalonil @ 2g/litre or Copper hydroxide 2g/litre at fortnight intervals.
LEMON	To increase the fruit set in lemon, spraying Amino acid @ 10gm per 10 litres of water should be done during the flowering stage. For fruit retention, spray NAA @ 30 ppm after fruit set (marble size).
Live Stock(Varieties)	Live Stock Specific Advisory
GOAT	Farmers are advised to deworm their goats for Round / Tap Worms for the month of April/June. The deworming should be done in the morning and the goat should be on an empty stomach.
COW	The greens in pasture returned due to recent summer showers. As these greens may remain for 7 to 10 days, farmers are advised to make use of it for their milch animals and other livestock.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Native poultry reared under integrated method incase infested with lice, must be given medicated bath. A sponge dipped in one ml of butox mixed in one litre of water could be rubbed all over the body on a bright sunny day. Care must be exercised to avoid eyes ear lobe and mouth.
Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory

(Varieties)	
GENERAL ADVICE	Mulching is advised to overcome the ill effect of high temperature in flower gardens. Further farmers are requested to monitor the incidence of thrips attack and if required spray Neem Seed Kernel Extract @ 5%.

### Ramanathapuram

From extended range forecast, normal rainfall expected for the period of April 24 to April 30 over Tamil Nadu. In dairy cattle along with concentrate feed 50gm of sodium bicarbonate helps to reduce acidosis and increase milk yield.

Crop(Varieties)	Crop Specific Advisory
COTTON	Due to the prevailing weather condition incidence of mealy bug is expected in cotton. The damage symptoms are heavy clustering of mealy bugs usually seen under surface of leaves as a thick mat with waxy secretion and excrete copious amount of honey dew on which the fungus sooty mould grow Affected plants appear sick and black, resulting reduced fruiting capacity. If symptoms are observed in cotton field apply neem oil 2% or fish oil rosin soap 25g/liter of water or Profenophos 800ml/ac.
COTTON	Due to the prevailing weather condition incidence of mealy bug is expected in cotton. The damage symptoms are heavy clustering of mealy bugs usually seen under surface of leaves as a thick mat with waxy secretion and excrete copious amount of honey dew on which the fungus sooty mould grow Affected plants appear sick and black, resulting reduced fruiting capacity. If symptoms are observed in cotton field apply neem oil 2% or fish oil rosin soap 25g/liter of water or Profenophos 800ml/ac.

### Sivagangai

THUNDERSTORM WARNING: Thunderstorm with lightning is likely to occur at one or two places over the Tamilnadu on 20 April 2022. Farmers are advised to take precautionary measures while grazing/herding the sheep, goat, cow on agriculture land for manuring purpose. Do not allow the animals to graze outside, standing near the trees or electric poles. Provide safe shelter for your livestock. For the next five days, Max temp-39°C-40°C & Min temp -27°C-29°C. Generally cloudy sky for next 5 days. Wind speed 6 kmph from SE & S directions.

Crop(Varieties)	Crop Specific Advisory
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.
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Due to current weather conditions, the incidence of Coconut Skipper is expected in Coconut. The symptoms are, that half of the leaflets are cut and rolled into a case. And the rolled leaflets are dried. To control spray Azadiractin @ 40ml + sticky agent @ 10ml with 10 litres of water. After 7 days of spray and after harvesting the coconuts, root feed with Carbosulfan @10ml with 75ml of water per tree.

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Prevailing weather is favourable for skin infection and disease transmission in livestock. So, contact the nearby veterinarian and take his advice. Animals should not be allowed to walk long distances while grazing. A high amount of green fodder and concentrated feed should be provided to livestock. Increase the feeding frequency of the livestock.

### Theni

Heavy Rainfall Warning: Heavy rain is likely to occur at isolated places over the district on 20 April 2022. Farmers are advised to avoid irrigation, intercultural operations and application of plant protection measures to the standing crops, and provide adequate drainage facilities in the fields to avoid water stagnation due to heavy rainfall. THUNDERSTORM WARNING: Thunderstorm with lightning is likely to occur at isolated places over the Tamilnadu on 20 2022. Farmers are advised to take precautionary measures while grazing/herding the sheep, goat, cow on agriculture land for manuring purpose. Do not allow the animals to graze outside, standing near the trees or electric poles. Provide safe shelter for your livestock. Chances of Moderate rain on 20 Apr & light rain on 23, 24 Apr. Max temp-35°C-36°C & Min temp -23°C-24°C. Partly cloudy sky for next 5 days. Wind speed 6 kmph from SW & SE directions.

Horticulture(Varieties)	Horticulture Specific Advisory
SNAKE GOURD	Due to current weather, the incense of semi looper is expected in Snake gourd. The symptom of damage appears on leaves, the caterpillar cuts the edges of the leaf lamina, folds it over the leaf and feeds from within the leaf roll. To control spray Neem oil @ 100 ml per 10 litres of water.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Prevailing weather is favourable for skin infection and disease transmission in livestock. So, contact the nearby veterinarian and take his advice. Animals should not be allowed to walk long distances while grazing. A high amount of green fodder and concentrated feed should be provided to livestock. Increase the feeding frequency of the livestock.
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
LAND PREPARATION	In the current scenario, summer plough is very important for both the rain-fed as well as irrigated land. Appearances of cracks will be avoided in the field. Thus the rainwater during the summer season will also get settled and harvested under the ground. Furthermore, the larvae and fungi present in the soil are brought to the top of the soil and destroyed by sunlight and birds.



## Virudhunagar

### Agromet Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Irrigated crops	Water management	Light rainfall is predicted for day 1 (20.04.2022-8:30hrs), day 4 (23.04.2022-8:30hrs) and day 5 (24.04.2022-8:30hrs). Based on the local weather and crop need, irrigation may be planned.
Agricultural/ Horticultural crops	Rainfall	As light rainfall is expected. Harvested agricultural and horticultural produce may be stored under protective shelter.
	Spraying/ Fertilizer	Based on the local weather, spraying of chemicals and fertilizer application may be done.
Livestock	Rainfall & Thunder	Light rainfall is expected, avoid leakage roof and livestock feed to be kept under protective area. If thunder occurrence is noticed avoid grazing.
Human		Stay indoors and avoid travel if possible, during heavy rainfall and thunderstorm.
Dry land		Farmers are requested to practice the summer ploughing based on the receipt of rainfall.
Chilli	Flowering and fruiting stage	Prevailing weather is conducive for Fruit Rot and Die Back diseases. The first spraying should be given just before flowering and the second at the time of fruit formation. Third spraying may be given a fortnight after second spraying. Chemicals like wettable sulphur 0.2%, copper oxychloride 0.25% and Zineb 0.15% not only reduced the disease incidence but also increased the yield of fruits.

SMS: Rain:20,23&24.04-10,4&4 mm. Irrigation, spraying may be avoided for next two days. Harvested agricultural and horticultural produce may be stored under protective shelter.

Tamil Nadu		
Next five days	Weather warning	<p>Thunderstorm with light to moderate rain is likely to occur at a few places over south Tamilnadu and north interior Tamilnadu. Heavy rain is likely to occur at isolated places over south Tamilnadu and Western Ghat (Nilgiris, Coimbatore, Tiruppur, Dindigul, Theni, Virudhunagar and Thenkasi) districts on Day 1(20.04.22).</p> <p>Light to moderate rain is likely to occur at isolated places over south coastal Tamilnadu (Ramanathapuram, Tirunelveli, Thoothukudi and Kanyakumari), Delta (Thanjavur, Tiruvarur, Nagapattinam and Mayiladuthurai) and adjoining districts and Karaikal area on Day 2(21.04.22).</p> <p>Light to moderate rain is likely to occur at isolated places coastal Tamilnadu and adjoining districts, Puducherry and Karaikal area on Day 3(22.04.22).</p> <p>Light to moderate rain is likely to occur at isolated places over coastal Tamilnadu, Western Ghat and adjoining districts, Puducherry and Karaikal area on Day 4(23.04.22).</p>

		Light to moderate rain is likely to occur at isolated places over Kanyakumari, Tirunelveli, Western Ghat and adjoining districts, Delta (Thanjavur, Tiruvarur, Nagapattinam and Mayiladuthurai) and adjoining districts and Karaikal area on Day 5(24.04.22).
	Heavy rainfall warning:	<u>Day 1(20.04.2022):</u> Heavy rain is likely to occur at isolated places over south Tamilnadu and western ghat districts of Tamilnadu.
	Thunderstorm warning:	<u>Day 1(20.04.2022):</u> Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu, Puducherry & Karaikal area.

### Tirunelveli

#### Agro Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Irrigated crops	Water management	Light to moderate rainfall is predicted for next five days. Postpone the irrigation. Based on the local weather and crop need, irrigation may be planned.
Agricultural/ Horticultural crops	Rainfall	Light rainfall is expected for next five days. Harvested agricultural and horticultural produce may be stored under protective shelter.
	Spraying/ Fertilizer	Based on the local weather, spraying of chemicals and fertilizer application may be done.
Livestock	Rainfall & Thunder	Light rainfall is expected, avoid leakage roof and livestock feed to be kept under protective area. If thunder occurrence is noticed avoid grazing.
Human		Stay indoors and avoid travel if possible during heavy rainfall and thunderstorm.
Dry land		Farmers are requested to practice the summer ploughing based on the suitable soil moisture prevailing for ploughing.
Chilli	Flowering and fruiting stage	Prevailing weather is conducive for Fruit Rot and Die Back diseases. The first spraying should be given just before flowering and the second at the time of fruit formation. Third spraying may be given a fortnight after second spraying. Chemicals like wettable sulphur 0.2%, copper oxychloride 0.25% and Zineb 0.15% not only reduced the disease incidence but also increased the yield of fruits. Prevailing weather is aphid is noticed. To control spray Imidacloprid 17.8 % SL@ 3.5 ml/10 lit.
Coconut	All stages	Rugose Spiralling whitefly is noticed in the prevailed weather condition. Application of water, maida solution as spray in order to increase the population of Encarsia parasitic. Also keep yellow stick trap.

SMS: Rain:20-24.04-15,3,5,6&8mm. Irrigation, Spraying may be avoided. Harvested agricultural and horticultural produce may be stored under protective shelter.

Tamil Nadu		
Next five days	Weather warning	Thunderstorm with light to moderate rain is likely to occur at a few places over south Tamilnadu and north interior Tamilnadu. Heavy rain is likely to occur at isolated places over

		<p>south Tamilnadu and Western Ghat (Nilgiris, Coimbatore, Tiruppur, Dindigul, Theni, Virudhunagar and Thenkasi) districts on Day 1(20.04.22).</p> <p>Light to moderate rain is likely to occur at isolated places over south coastal Tamilnadu (Ramanathapuram, Tirunelveli, Thoothukudi and Kanyakumari), Delta (Thanjavur, Tiruvarur, Nagapattinam and Mayiladuthurai) and adjoining districts and Karaikal area on Day 2(21.04.22).</p> <p>Light to moderate rain is likely to occur at isolated places coastal Tamilnadu and adjoining districts, Puducherry and Karaikal area on Day 3(22.04.22).</p> <p>Light to moderate rain is likely to occur at isolated places over coastal Tamilnadu, Western Ghat and adjoining districts, Puducherry and Karaikal area on Day 4(23.04.22).</p> <p>Light to moderate rain is likely to occur at isolated places over Kanyakumari, Tirunelveli, Western Ghat and adjoining districts, Delta (Thanjavur, Tiruvarur, Nagapattinam and Mayiladuthurai) and adjoining districts and Karaikal area on Day 5(24.04.22).</p>
	Heavy rainfall warning:	<u>Day 1(20.04.2022):</u> Heavy rain is likely to occur at isolated places over south Tamilnadu and western ghat districts of Tamilnadu.
	Thunderstorm warning:	<u>Day 1(20.04.2022):</u> Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu, Puducherry & Karaikal area.

### Thoothukudi

#### Agromet Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Irrigated crops	Water management	Based on the local weather irrigation may be planned.
Agricultural/ Horticultural crops	Rainfall	Though light rainfall is predicted, unexpected rain may receive. So, harvested agricultural and horticultural produce may be stored under protective shelter.
	Spraying/ Fertilizer	Based on the local weather, spraying of chemicals and fertilizer application may be done.
Livestock	Rainfall & Thunder	Though light rainfall is predicted, unexpected rain may receive. Avoid leakage roof and livestock feed to be kept under protective area. If thunder occurrence is noticed avoid grazing.
Human		Stay indoors and avoid travel if possible during heavy rainfall and thunderstorm.
Dry land		Farmers are requested to practice the summer ploughing based on the suitable soil moisture prevailing for ploughing.
Chilli	Flowering and	Prevailing weather is conducive for Fruit Rot and Die Back diseases. The

	fruiting stage	first spraying should be given just before flowering and the second at the time of fruit formation. Third spraying may be given a fortnight after second spraying. Chemicals like wettable sulphur 0.2%, copper oxychloride 0.25% and Zineb 0.15% not only reduced the disease incidence but also increased the yield of fruits. Prevailing weather is aphid is noticed. To control spray Imidacloprid 17.8 % SL@ 3.5 ml/10 lit.
Coconut	All stages	Rugose Spiralling whitefly is noticed in the prevailed weather condition. Application of water, maida solution as spray in order to increase the population of Encarsia parasitic. Also keep yellow stick trap.
Banana	All stages	Under prevailing weather condition Wilt disease noticed. Soil drenching of Carbendazim 0.1 per cent solution around the pseudostem at bimonthly intervals starting from five months after planting

SMS: Rain: 22.04-4mm. Based on the local weather Irrigation and Spraying may be given. Harvested agricultural and horticultural produce may be stored under protective shelter.

Tamil Nadu		
Next five days	Weather warning	Thunderstorm with light to moderate rain is likely to occur at a few places over south Tamilnadu and north interior Tamilnadu. Heavy rain is likely to occur at isolated places over south Tamilnadu and Western Ghat (Nilgiris, Coimbatore, Tiruppur, Dindigul, Theni, Virudhunagar and Thenkasi) districts on Day 1(20.04.22). Light to moderate rain is likely to occur at isolated places over south coastal Tamilnadu (Ramanathapuram, Tirunelveli, Thoothukudi and Kanyakumari), Delta (Thanjavur, Tiruvarur, Nagapattinam and Mayiladuthurai) and adjoining districts and Karaikal area on Day 2(21.04.22). Light to moderate rain is likely to occur at isolated places coastal Tamilnadu and adjoining districts, Puducherry and Karaikal area on Day 3(22.04.22). Light to moderate rain is likely to occur at isolated places over coastal Tamilnadu, Western Ghat and adjoining districts, Puducherry and Karaikal area on Day 4(23.04.22). Light to moderate rain is likely to occur at isolated places over Kanyakumari, Tirunelveli, Western Ghat and adjoining districts, Delta (Thanjavur, Tiruvarur, Nagapattinam and Mayiladuthurai) and adjoining districts and Karaikal area on Day 5(24.04.22).
	Heavy rainfall warning:	<u>Day 1(20.04.2022)</u> : Heavy rain is likely to occur at isolated places over south Tamilnadu and western ghat districts of Tamilnadu.
	Thunderstorm warning:	<u>Day 1(20.04.2022)</u> : Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu, Puducherry & Karaikal area.

## Kanyakumari

### AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
	There are possibilities of rainfall during the fourth coming five days. Maximum temperature will range from 34 – 35°C and minimum temperature will range from 26 - 27°C. Cloudy condition may prevail. The relative humidity will be 65 to 80 %. Wind speed may be 8 km / hr in West direction.		
1.	Banana	Planting stage	Nematode Management: Trim the roots and decayed portion of the corm and paring and pralinage with 40g carbofuran 3G granules per sucker to control the nematode infestation.
2.	Pepper	All stages	Pepper rooted cuttings can be planted if there is sufficient soil moisture.
3.	Coconut	Juvenile period, pre-bearing and bearing	If the damage due to mite is noticed, root feeding may be done with Azadiractin 50% formulation 7.5 ml in 7.5 ml water.
4.	Papaya	Harvest stage	To prevent post-harvest disease of rhizopus rot spray mancozeb @ 2g/liter of water before harvest.
5.	Pepper	All stages.	Basins of all the established pepper vines may be applied with VAM and vermicompost and then mulched with dried leaves and irrigated copiously immediately (twice – one March and again in April) to increase the yield of pepper.

#### SMS Advisory

Basin preparation for pepper, clove, nutmeg and cinnamon may be taken for better rain water harvest.

## Salem

### Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Salem:		
Jasmine	Vegetative	Due to prevailing weather alternaria leaf spot incidence may occur in jasmine. To control, spray foliar application of mancozeb @ 2.5 g/l at monthly interval.
Vegetable crops	Vegetative	Application of micro nutrients to vegetable crops may give good results. Farmers are advised to apply micronutrients to the vegetable crops through fertigation or foliar spray during the flowering to fruiting stage.
Paddy	Vegetative	Due to prevailing weather condition leaf folder infestation identified in paddy crop. To manage the leaf folder Release Trichogramma chilonis @5 cc (1,00,000/ha) thrice at 37, 44 and 51 days.

Livestock	Sheep and Goat	Farmers are advised to apply Butox solution (2 ml in 1 litre water) externally to remove ecto - parasites in sheep and goats.
Sorghum	Vegetative	Shoot flies are damaging the sorghum crop mostly it affects the yield. The maggot bores inside the stem and cuts the growing point. Central shoots dried and produce "dead heart" symptom. The infested plant produces side tillers. Take up early sowing of sorghum immediately after the receipt of South West or North East Monsoon to minimise the shoot fly incidence. To control Shoot flies in sorghum, Apply Quinalphos 25EC 1500 ml /ha. Plough soon after harvest, remove and destroy the stubbles
Cotton	Vegetative	Due to prevailing weather the leaf blight incidence may occur in cotton. To control leaf blight in cotton, Spray mancozeb 2 kg/ha immediately after the symptom appearance and 2-3 times once in 15 days.
Banana	Vegetative	Due to prevailing weather condition favourable for leaf spot infection in banana crop. To control spray carbendazim 1g/l or propiconazole 1ml/l or mancozeb 2.5 g/l with sticking agent @ 1 ml / lit at 10-15 days interval.
Livestock	General	Considering the temperature, artificial insemination to animals can be done in morning before 11am after cooling the animals by bathing.
Livestock	General	Flea bite in livestock leads to allerg reaction all over body. treatment for this apply mixer of betel vine leaves ,salt, pepper paste below the tonque.

### Namakkal

#### Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	Worm Parasites and their control in Small ruminants and Calves Due to summer rains in different regions, the micro environment for survival of infective stage of strogyle nematodes and grassmite intermediate host for tapeworms would be very congenial and hence susceptible, particularly young animals likely to get infected. The affected stocks will have the symptoms of anorexia, stunted growth, diarrhoea, anaemia and submandicular oedema in haematophagus nematode infection, while in severe cases mortality may occur, resulting in economic losses to the farming community. To prevent this economic losses associated with worm burden, faecal samples may be screened and infected animals may be dewormed. Avoid taking the animals for grazing in the early morning.

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. Though recent rains brought down the temperatures, they are likely to go up again and cause hardship to the layers. 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.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Brinjal	Vegetative stage	Due to change in climate shoot and fruit borer incidence was noticed in brinjal. To control of this insect – pest, topping of infested plants should be done. Setting up of pheromone trap 5 numbers / acre for monitoring of male adults. If the damage is beyond the economic threshold level, foliar spraying of Neem Seed Kernel Extract 5 % or spinoderan @ 1 ml / litre of water should be done for effective control of this pest.
Jasmine	Flowering stage	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 should be done.
Mango	Fruiting stage	To reduce the fruit drop and increase the yield in mango give foliar spraying with mango special @ 5 gram / litre of water along with shampoo and lemon juice should be carried out.

### Dharmapuri

#### Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Dharmapuri :		
Crops	General	Plough the land immediately after harvesting the crop which helps to manage weed growths, save summer rainfall.
Gourds	Vegetative	To control fruit fly in gourds, fixing of pheromone trap@ 5no/acre can attract and control fruit fly.
Chilli	Vegetative	In chilli of thrips problem, spraying of Dimethoate 30EC @1.0 ml/lit is advised.
Tapioca	Vegetative	Management practices to be followed on white mealy bug affected plant in tapioca: Infected shoots should be removed. Collect infected dry plants and discard or burn away from the field.

		In early stage of infection, any one of the following insecticide can be spray: Azadirachtin 0.15 % @ 50 ml/ litre of water Fish oil resin soap @ 2.0 ml/ litre of water Any one of the following insecticide can be sprayed on rotation basis as and required Thiamethoxam 25 WG @ 0.5 gram /litre of water Flonicamid 50 WG @ 0.3 gram/ litre of water Spirotetramat 150 OD @ 1.25 ml / litter of water
Livestock	Cattle	Supplementation of 25-30 gram of mineral mixture to cattle provides essential minerals required for reproduction, and there by reduces the incidence of infertility summer stress.

### Krishnagiri

#### Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	Worm Parasites and their control in Small ruminants and Calves Due to summer rains in different regions, the micro environment for survival of infective stage of strogyle nematodes and grassmite intermediate host for tapeworms would be very congenial and hence susceptible, particularly young animals likely to get infected. The affected stocks will have the symptoms of anorexia, stunted growth, diarrhoea, anaemia and submandicular oedema in haematophagus nematode infection, while in severe cases mortality may occur, resulting in economic losses to the farming community. To prevent this economic losses associated with worm burden, faecal samples may be screened and infected animals may be dewormed. Avoid taking the animals for grazing in the early morning.
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. Though recent rains brought down the temperatures, they are likely to go up again and cause hardship to the layers. 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.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Brinjal	Vegetative stage	Due to change in climate shoot and fruit borer incidence was noticed in brinjal. To control of this insect – pest, topping of infested plants should be



		done. Setting up of pheromone trap 5 numbers / acre for monitoring of male adults. If the damage is beyond the economic threshold level, foliar spraying of Neem Seed Kernel Extract 5 % or spinoderan @ 1 ml / litre of water should be done for effective control of this pest.
Jasmine	Flowering stage	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 should be done.
Mango	Fruiting stage	To reduce the fruit drop and increase the yield in mango give foliar spraying with mango special @ 5 gram / litre of water along with shampoo and lemon juice should be carried out.

### Karaikal

#### Weather based Agro-Advisories.

Crop/livestock	Stage/Particulars	Agro Advisory
Cotton	Vegetative stage	To control sucking pest in cotton spray Imidacloprid 17.8 SL @ 100 ml/ha (or) Azadirachtin 0.03% (300 ppm) 2500 ml/ha.
		To control mealy bug in cotton spray neem oil 2 % or NSKE 5 % or Buprofezin 25 SC @ 2 ml/ litre.
		To manage weeds in cotton, hand weeding on 45 DAS or apply post emergence herbicide pyrithiobac sodium @ 62.5g a.i./ha + quizalofop ethyl @ 50 g a.i./ha at 45 DAS.

SMS: Light to moderate rain is expected for next few days. Hence, farmers may postpone irrigation.

### Puducherry

#### Weather based Agro-Advisories.

Crop	Stage/Particulars	Agro Advisory
Rice	Tillering stage	To manage rice stem borer, release parasitoid Trichogramma japonicum @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 Trichogramma chilonis 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.

SMS: Light to moderate rain is expected for next few days. Hence, farmers may postpone irrigation.

**BLOCK LEVEL FORECAST**

**NILGIRIS DISTRICT**

**Coonoor, Gudalur, Kotagiri and Ooty Blocks**

Agro Advisory

Crop	Stage	Advisory
General		Next five days rainfall expected at isolated places. Avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Harvest the matured crop immediately and store the harvested products at safe places.
Potato		While planting potato for this season, use disease resistant varieties like Kufri Giridhari and Kufri Swarna.
Carrot		To control nematode in carrot crop, apply Paecilomyces lilacinus @ 10 kg / ha at the time of sowing along with well decomposed farm yard manure.
Cabbage		In cabbage crop, to avoid root knot nematode infestation, follow the seed treatment with 10 grams of Paecilomyces, 10 grams of Trichoderma and 10 grams of Pseudomonas per kg of seed.
Cattle		Due to rainfall, allow the animals to graze outside, do not standing near the trees or electric poles. Provide adequate dry feed/fodder and drinking water.

SMS advisory

Next five days rainfall expected at isolated places. Avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Harvest the matured crop immediately and store the harvested products at safe places.

