



तमिलनाडु के लिए राज्य

स्तरीय समग्र कृषि-मौसम

परामर्श बुलेटिन

**State Composite Agrometeorological Advisory
Bulletin for Tamil Nadu and Puducherry
Bulletin No. 053/2024**

For the period 0830 IST, 02nd July 2024 to
0830 IST, 07th July 2024

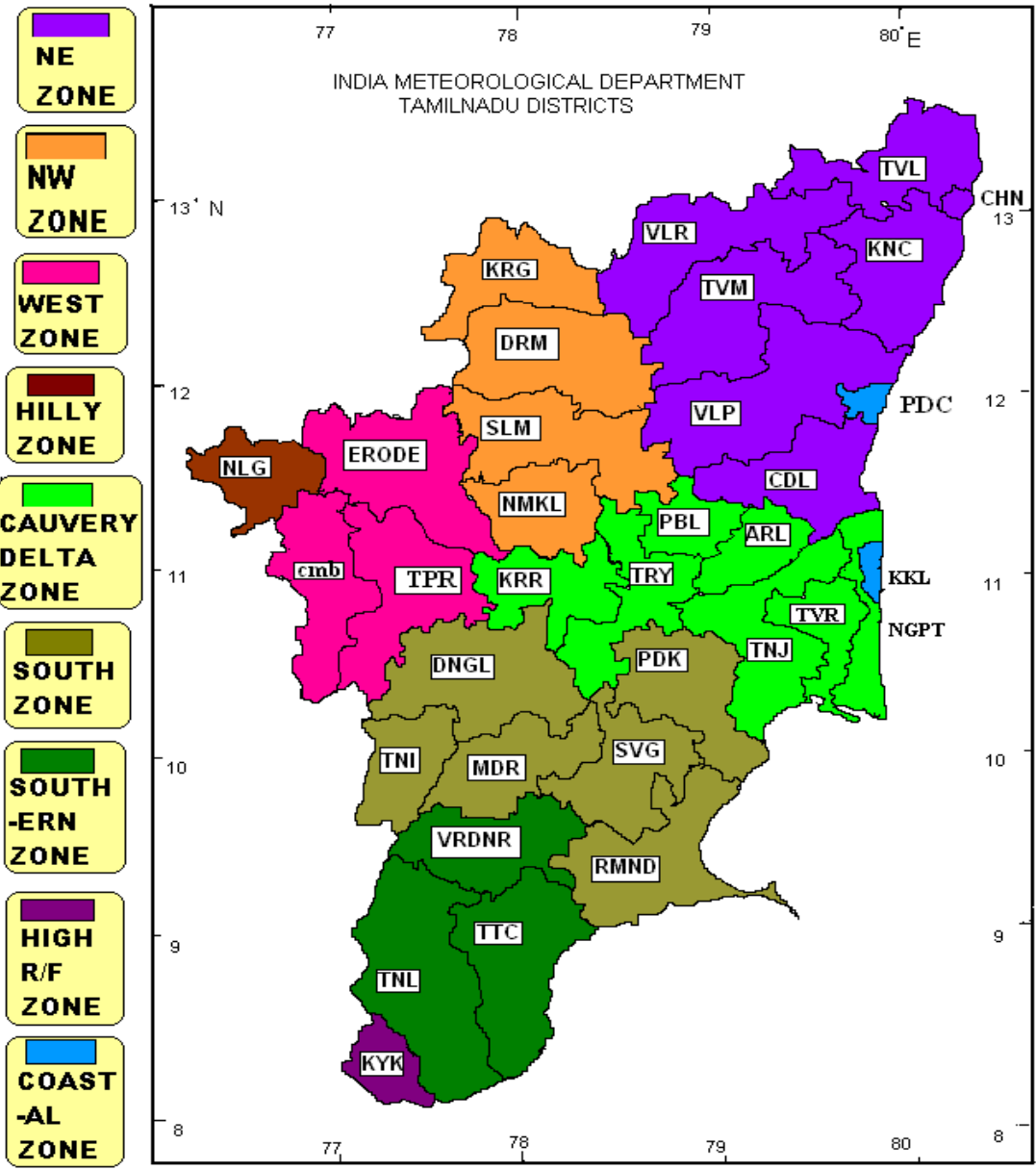
Issued on Tuesday, 02nd July 2024

Issued by

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

Agro climatic zones of the state

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



Past Weather Summary for the period 28.06.24 to 01.07.24 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range 28°C – 40°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 16°C – 21°C during the period.

Minimum temperature of range 23°C - 30°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 12°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)	01.07.24	01.07.24
Isolated (One or Two Places)	28.06.24, 29.06.24 and 30.06.24	--
Dry	--	28.06.24, 29.06.24 and 30.06.24

Chief Amounts of Rainfall (in cms):-

28.06.24 : Avalanche (dist The Nilgiris) 11, Chinnakalar (dist Coimbatore) 8, Upper Bhavani (dist The Nilgiris) 7, Nalumukku (dist Tirunelveli), Valparai PAP (dist Coimbatore), Vint Worth Estate (dist The Nilgiris), Valparai Taluk Office (dist Coimbatore), Valparai PTO (dist Coimbatore), Cincona (dist Coimbatore), Emeralad (dist The Nilgiris), UPASI_Tea_Research_Foundation AWS (dist Coimbatore) 4 each, Oothu (dist Tirunelveli), Sholayar (dist Coimbatore), Barwood (dist The Nilgiris), Periyar (dist Theni) 3 each, Kakkachi (dist Tirunelveli), Taluk Office Pandalur (dist The Nilgiris), Naduvattam (dist The Nilgiris), Wood Braiyar Estate (dist The Nilgiris), Kalial (dist Kanniyakumari), PWD Makkinampatti (dist Coimbatore), Harisan Malayalam Ltd. (dist The Nilgiris), Devala (dist The Nilgiris), Siruvani Adivaram (Water Treatment Plant) (dist Coimbatore) 2 each, Adavinainnarkoil Dam (dist Tenkasi), Pollachi (dist Coimbatore), Balamore (dist Kanniyakumari), Thekkadi (dist Theni), Pechiparai (dist Kanniyakumari), Papanasam (dist Tirunelveli), Manjolai (dist Tirunelveli), Kuzhithurai (dist Kanniyakumari), Lower Kothaiyar ARG (dist Kanyakumari) 1 each.

29.06.24 : Taluk Office Pandalur (dist The Nilgiris) 28, Devala (dist The Nilgiris) 19, Wood Braiyar Estate (dist The Nilgiris) 11, Harisan Malayalam Ltd. (dist The Nilgiris) 10, Vint Worth Estate (dist The Nilgiris) 8, Gudalur Bazar (dist The Nilgiris), Upper Gudalur (dist The Nilgiris) 5 each, Avalanche (dist The

Nilgiris), Upper Bhavani (dist The Nilgiris), Barwood (dist The Nilgiris) 4each,Chinnakalar (dist Coimbatore), Emeralad (dist The Nilgiris), Cincona (dist Coimbatore),Valparai PTO (dist Coimbatore), Siruvani Adivaram (Water Treatment Plant) (dist Coimbatore) 3each,Mullanginavillai (dist Kanniyakumari), Mylaudy (dist Kanniyakumari), Valparai PAP (distCoimbatore), Sholayar (dist Coimbatore), Valparai Taluk Office (dist Coimbatore),UPASI_Tea_Research_Foundation AWS (dist Coimbatore) 2 each,Kalial (dist Kanniyakumari), Thuckalay (dist Kanniyakumari), Mambzhathuraiyaru (distKanniyakumari), Colachel (dist Kanniyakumari), Anaikedanku (dist Kanniyakumari), Nagercoil(dist Kanniyakumari), Periyar (dist Theni), Kurunthancode (dist Kanniyakumari), Balamore (distKanniyakumari), Adayamadai (dist Kanniyakumari), Suralacode (dist Kanniyakumari),Nagercoil AWS (dist Kanniyakumari) 1 each.

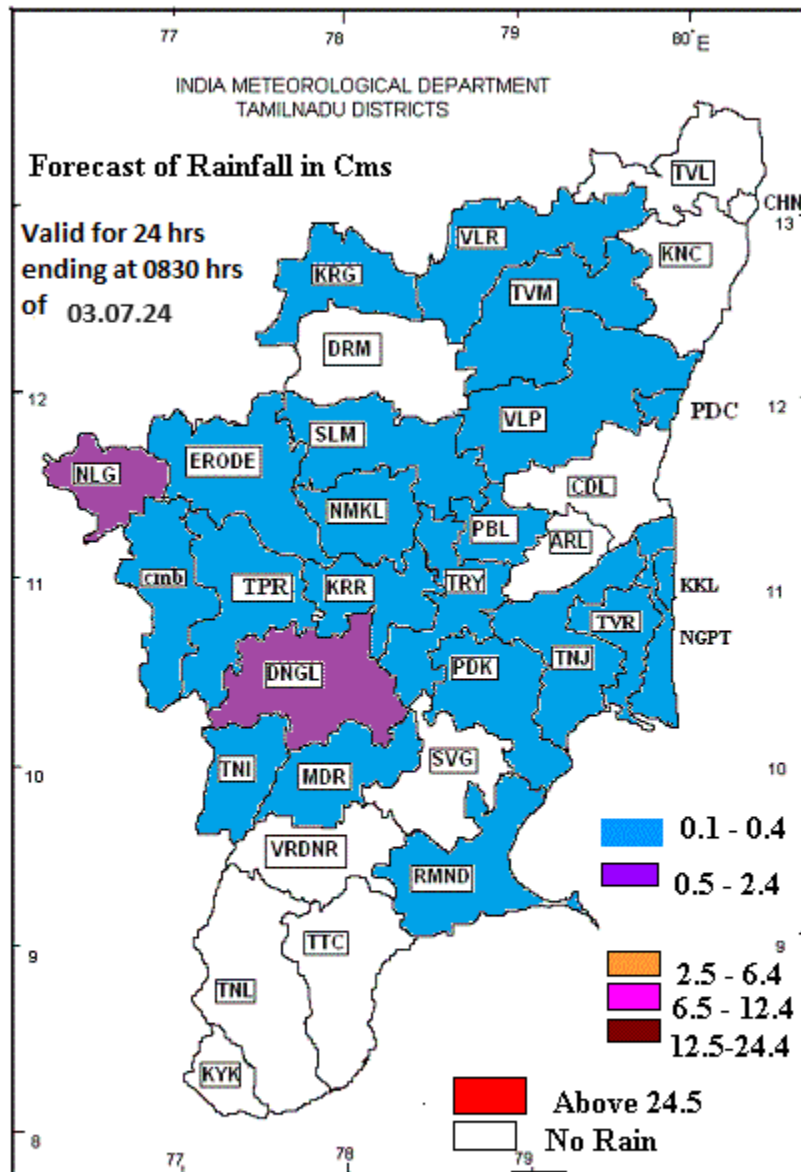
30.06.24 : Taluk Office Pandalur (dist The Nilgiris) 7,Vint Worth Estate (dist The Nilgiris) 5,Devala (dist The Nilgiris), Annavasal (dist Pudukkottai), Wood Braiyar Estate (dist The Nilgiris),Harisan Malayalam Ltd. (dist The Nilgiris), Illupur (dist Pudukkottai) 3 each,Kovilpatti (dist Thiruchirappalli), RSCL-3 Anandhapuram (dist Villupuram), Valparai PTO (distCoimbatore), Edapadi (dist Salem), Karaiyur (dist Pudukkottai), Upper Gudalur (dist The Nilgiris) 2each,Sholayar (dist Coimbatore), Gudalur Bazar (dist The Nilgiris), Cincona (dist Coimbatore), Chinnakalar(dist Coimbatore), RSCL-2 Nemoor (dist Villupuram), Vallam (dist Thanjavur), Avalanche (dist TheNilgiris), Valparai PAP (dist Coimbatore), Colachel (dist Kanniyakumari), Yercaud (dist Salem),UPASI_Tea_Research_Foundation AWS (dist Coimbatore) 1 each.

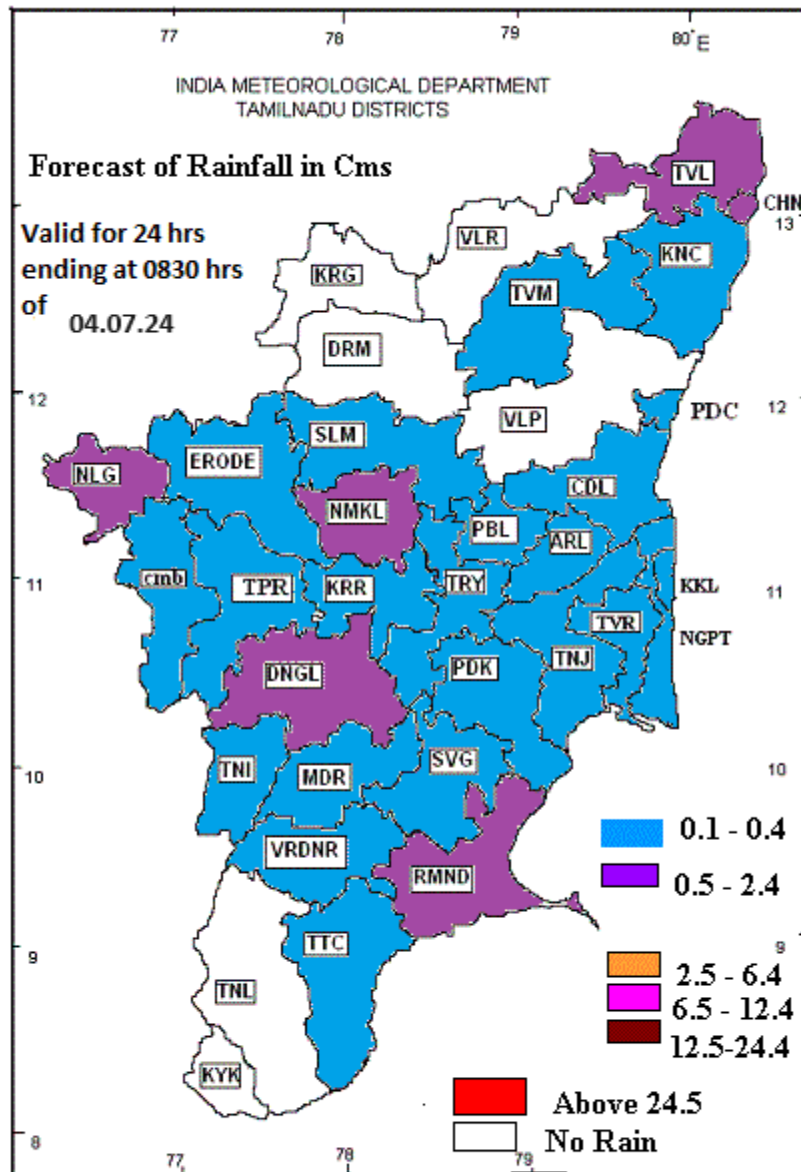
01.07.24 : Wood Braiyar Estate (dist The Nilgiris), Harisan Malayalam Ltd. (dist The Nilgiris), Went Worth Estate, Cherumulli (dist The Nilgiris) 13 each, Taluk Office Pandalur (dist The Nilgiris) 6, Naduvattam (dist The Nilgiris), Cheyyar (dist Tiruvannamalai), Ammapettai (dist Erode), Chinnakalar (dist Coimbatore), Devala (dist The Nilgiris), Gudalur Bazar (dist The Nilgiris) 5 each, Upper Gudalur (dist The Nilgiris), Valparai PAP (dist Coimbatore), Ponnai Dam (dist Vellore), Barwood (dist The Nilgiris), Valparai Taluk Office (dist Coimbatore), Valparai PTO (dist Coimbatore), Manalmedu (dist Mayiladuthurai) 4 each, Karaikal (dist Karaikal), Tiruvaiyaru (dist Thanjavur), Edapadi (dist Salem), Cincona (dist Coimbatore), Kil Kotagiri Estate (dist The Nilgiris), Pallipattu (dist Tiruvallur), Sirkali (dist Mayiladuthurai), Thirumanur (dist Ariyalur), Upasi TRF AWS (dist Coimbatore) 3 each, Ayyampettai (dist Thanjavur), Avudayarkoil (dist Pudukkottai), Tirukattupalli (dist Thanjavur), Kovilpatti (dist Thiruchirappalli), Nagudi (dist Pudukkottai), Viralimalai (dist Pudukkottai), Sholayar (dist Coimbatore), Varattupallam (dist Erode), Katpadi (dist Vellore), Arani (dist Tiruvannamalai), Avalanche (dist The Nilgiris), Mettur (dist Salem), Budalur (dist Thanjavur), Thuvakudi Imti (dist Thiruchirappalli), Vembakkam (dist Tiruvannamalai), Gummidipoondi (dist Tiruvallur), Upper Bhavani (dist The Nilgiris), Devakottai (dist Sivagangai), Senthurai ARG (dist Ariyalur) 2 each, Kilacheruvai (dist Cuddalore), Nambiyur (dist Erode), Ponneri (dist Tiruvallur), Sholingur (dist Ranipet), Valangaiman (dist Thiruvarur), Kancheepuram (dist Kancheepuram), Uthangarai (dist Krishnagiri), Vellore (dist Vellore), Lower Anaicut (dist Thanjavur), Sivagangai PWD TB (dist Sivagangai), Mannargudi (dist Thiruvarur), Elanthakuttai Medu (dist Erode), Bahour (dist Puducherry), SCS Mill Arasoor (dist Villupuram), Ammoor (Walajah Railway) (dist Ranipet), Arakonam (dist Ranipet), Annamalai Nagar (dist Cuddalore), Chidambaram AWS (dist Cuddalore), Periyar (dist Theni), Rasipuram (dist Namakkal), Vepur (dist Cuddalore), Sothuparai (dist Theni), Wallajah (dist Ranipet), Thekkadi (dist Theni), Kodaikanal (dist Dindigul), Glenmorgan (dist The Nilgiris), Annavasal (dist Pudukkottai), Eraiyur

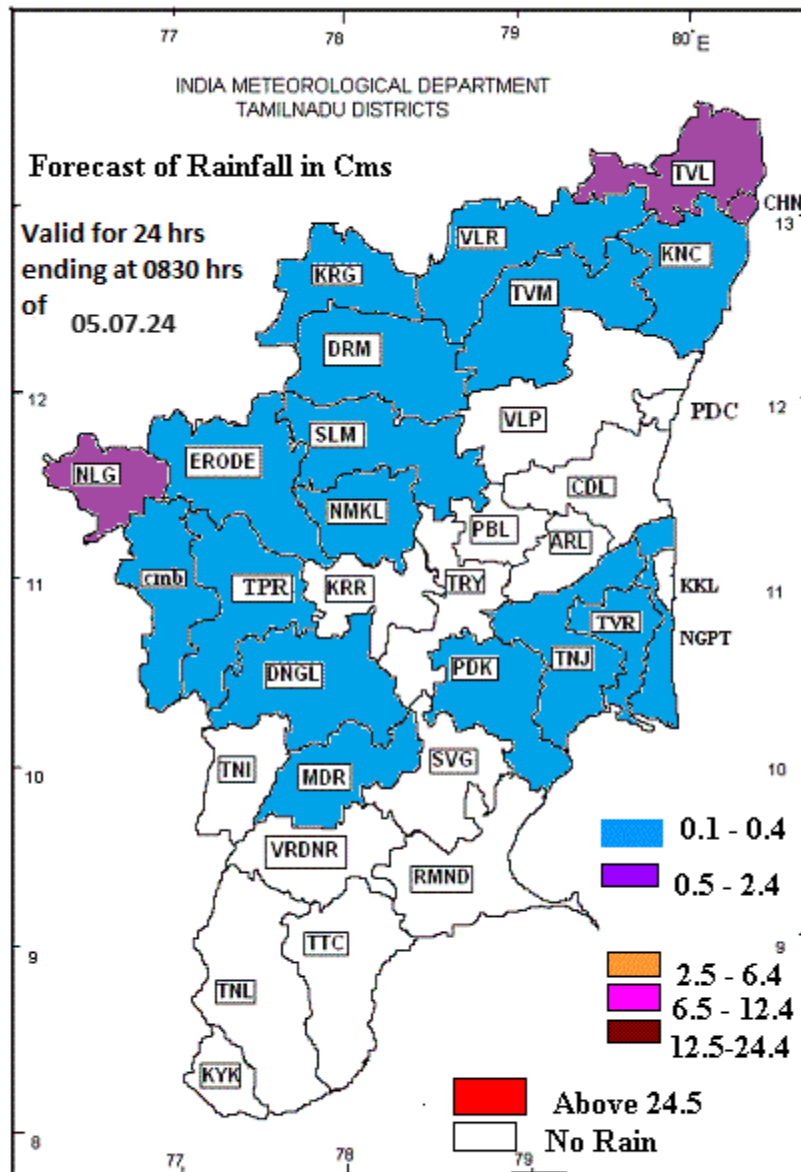
(dist Perambalur), Avadi (dist Tiruvallur), Ayinkudi (dist Pudukkottai), Labbaikudikadu (dist Perambalur), Velankanni (dist Nagapattinam), Jayamkondam ARG (dist Ariyalur) 1 each and Karaikal area 3.

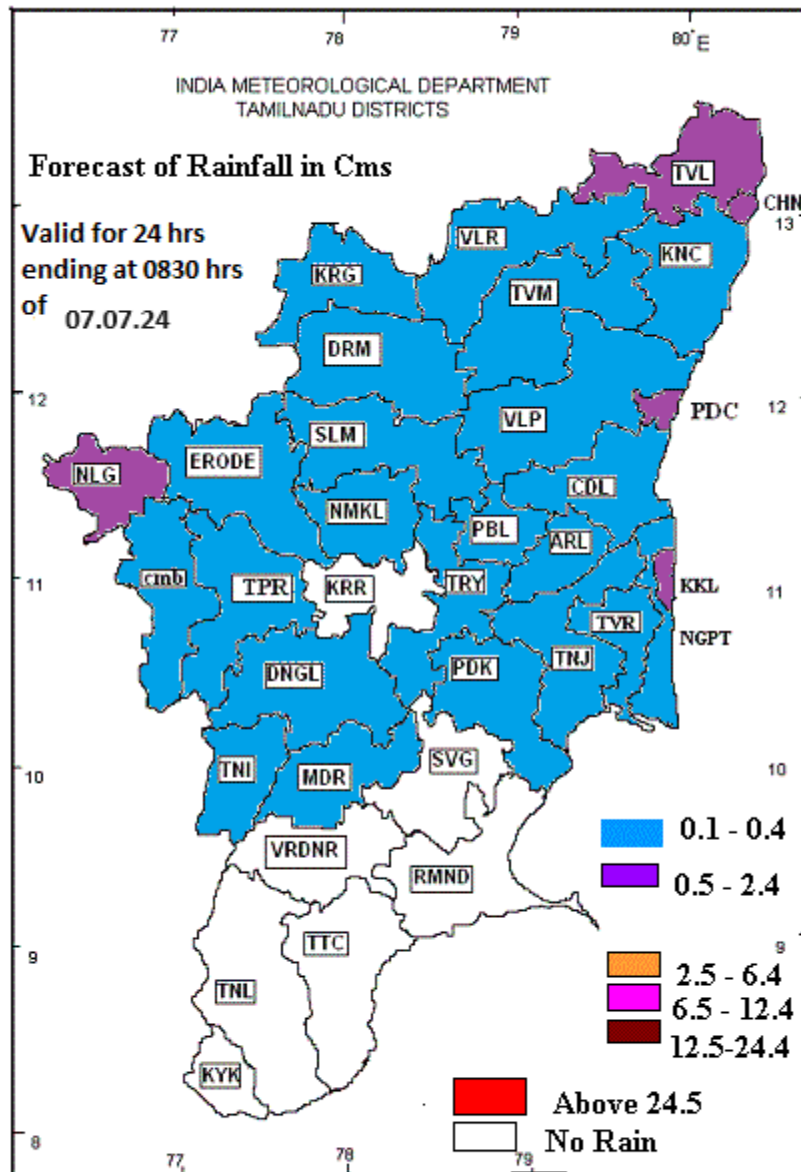
DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 02.07.24

VALID FOR THE NEXT 5 DAYS









District-wise Agromet Advisories

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

SMS Advisory:

(03.07.2024-07.07.2024) Light to moderate rain is likely to occur at one or two places over Tamilnadu.

Livestock Advisory:

1. The farmers are advised to preserve rice straw after harvesting the paddy crop which has to be used as livestock feed.
2. The livestock especially dairy cattle, sheep and goat must not be allowed to stand in slushy and filthy area to prevent foot rot.
3. Egg laying poultry (layers) suffering from lice infestation must be looked into with proper attention. Dipping solution must be rubbed over the affected body parts and feathers using cloth or cotton, during Sunny part of the day
4. Dry fodders and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin.
5. Due to high humidity, Young animals may suffer from pneumonia, get veterinary doctors advice.
6. The weather conditions prevailing now are a conducive environment for mosquitoes & flies. Hence the farmers are advised to spray insecticides around the farm premises.
7. Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

Agricultural advisory

Rice:

Transplanting of rice varieties may be done utilizing the expected rainfall. To provide proper drainage facility to the nursery field.

Prevailing weather condition is favorable for bacterial leaf blight infection in rice crop. White colour streaks appear leaf and it turns brown in colour and dried. To control spray copper hydroxide @ 300 g/ac. Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 40 g/ac or azadirachtin 400 ml/ac (10000 PPM). Due to prevailing weather condition leaf folder 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.

The forecasted weather may cause leaf folder infestation in rice crop. The farmers are advised to monitor the field, if symptoms are observed it's advised to spray

Chlorantraniliprole 18.5% 150 ml/ha.

Coconut:

To control Rugose Spiraling Whitefly in coconut, setup yellow sticky traps (size 5x1.5 feet) @ 8/ac in between the trees.

Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. 2. Encourage buildup of parasitoids (*Encarsia* sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. 3. In severe 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.

Banana:

High wind speed (>10 kmph) is expected on forthcoming days, so prop up 5 month old banana trees.

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 (2.0 ml/l).

Brinjal:

There are possibilities of mealybug infestation in brinjal crops. For management farmers are advised to spray Profenophos 2ml/lit of water.

Coimbatore

Agro Advisory

Crop	Stage	Advisory
General		Drizzling or light rainfall is expected along with heavy wind speeds of 10 – 24 kmph during this week in Western zone districts. Irrigation may be done based on soil moisture. Schedule the chemical sprays during non rainy and low wind speed hours.
Maize	Sowing	Utilizing the rainfall, irrigated maize sowing may be continued with imidacloprid 70 WS seed treatment @ 10g/ Kg of seeds.
Sugarcane	Vegetative	Considering the high wind speed with light rainfall provide propping to the sugarcane by tying opposite row to prevent from lodging.
Cotton	Sowing	With the receipt of anticipated rainfall land preparation and sowing may be initiated for irrigated Cambodia cotton and complete before August 15.
Banana		Considering the high wind speed @ 10-24 kmph, provide propping to the banana of more than five months old to prevent from lodging.
Grapes		June is the best time for pruning in monsoon grape crop. Weak and immature branches should be pruned without damaging in vines.
Gourds	Sowing	With the receipt of anticipated rainfall gourds seeds sowing may be continued with adequate drainage.
Turmeric		Considering the favourable weather apply topdressing to 40 and 60 days old turmeric @ 22 kg urea, 72 kg Potash /acre
Animal Husbandry		Due to high wind speed, feed material of poultries may drift. Hanging of gunny bags along the borders is advised to reduce the wind speed. Provide adequate cool drinking water to all the animals to prevent thirst for water due to high wind speed. Considering high relative humidity, prevent mastitis disease in milch animals by washing the udder with potassium permanganate solution before and after milking.

SMS advisory:

With the receipt of anticipated rainfall gourds seeds sowing may be continued with adequate drainage.

Erode

Agro Advisory

Crop	Stage	Advisory
General		Drizzling or light rainfall is expected along with heavy wind speeds of 10 – 24 kmph during this week in Western zone districts. Irrigation may be done based on soil moisture. Schedule the chemical sprays during non rainy and low wind speed hours.
Maize	Sowing	Utilizing the rainfall, irrigated maize sowing may be continued with imidacloprid 70 WS seed treatment @ 10g/ Kg of seeds.
Cumbu	Harvest	Harvesting of irrigated cumbu during the morning hours is advised.
Sugarcane	Vegetative	Considering the high wind speed with light rainfall provide propping to the sugarcane by tying opposite row to prevent from lodging.
Cotton	Sowing	With the receipt of anticipated rainfall land preparation and sowing may be initiated for irrigated Combodia cotton and complete before August 15.
Banana		Considering the high wind speed @ 10-24 kmph, provide propping to the banana of more than five months old to prevent from lodging.
Gourds	Sowing	With the receipt of anticipated rainfall gourds seeds sowing may be continued with adequate drainage.
Turmeric		Considering the favourable weather apply topdressing to 40 and 60 days old turmeric @ 22 kg urea, 72 kg Potash /acre
Animal Husbandry		Due to high wind speed, feed material of poultries may drift. Hanging of gunny bags along the borders is advised to reduce the wind speed. Provide adequate cool drinking water to all the animals to prevent thirst for water due to high wind speed. Considering high relative humidity, prevent mastitis disease in milch animals by washing the udder with potassium permanganate solution before and after milking.

SMS advisory:

With the receipt of anticipated rainfall gourds seeds sowing may be continued with adequate drainage.

Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		Drizzling or light rainfall is expected along with heavy wind speeds of 10 – 24 kmph during this week in Western zone districts. Irrigation may be done based on soil moisture. Schedule the chemical sprays during non rainy and low wind speed hours.
Maize	Sowing	Utilizing the rainfall, irrigated maize sowing may be continued with imidacloprid 70 WS seed treatment @ 10g/ Kg of seeds.

Cumbu	Harvest	Harvesting of irrigated cumbu during the morning hours is advised.
Sugarcane	Vegetative	Considering the high wind speed with light rainfall provide propping to the sugarcane by tying opposite row to prevent from lodging.
Gourds	Sowing	With the receipt of anticipated rainfall gourds seeds sowing may be continued with adequate drainage.
Animal Husbandry		Due to high wind speed, feed material of poultries may drift. Hanging of gunny bags along the borders is advised to reduce the wind speed. Provide adequate cool drinking water to all the animals to prevent thirst for water due to high wind speed. Considering high relative humidity, prevent mastitis disease in milch animals by washing the udder with potassium permanganate solution before and after milking.

SMS advisory:

With the receipt of anticipated rainfall gourds seeds sowing may be continued with adequate drainage.

Nilgiris

General Advisory:

Light rainfall is expected for next five day, To prevent disease incidence due to continuous rain, spray *Pseudomonas fluorescens* or *Bacillus subtilis* @ 5 g per litre of water. Spray may be given during rain free period.

SMS Advisory:

To manage leaf spot in carrot crop, foliar application of mancozeb @ 2 g/l is recommended. Spray may be given during rain free period.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
GARLIC (Vegetative)	Foliar application of water-soluble micronutrient mixture @ 0.5 g/liter of water during 30, 45 and 60 days after planting may be done to increase the Garlic bulb yield. To manage leaf spot / purple blotch in garlic crop, foliar application of mancozeb @ 2 g/l or copper oxychloride @ 2.5 g/l is recommended. Spray may be given during rain free period.
BEETROOT (Vegetative)	To manage leaf spot in Beetroot crop, foliar spray of mancozeb @ 2 g/l on 45, 60 and 75 days after planting is recommended. Spray may be given during rain free period.

Horticulture (Stage)	Horticulture Specific Advisory
BANANA (Transplanting)	Soil application of FYM @ 10 kg + Neem cake @ 1.25 kg as basal; Vermicompost @ 5 kg after 3 months of planting and Wood ash @ 1.75 kg / plant after 5 months of planting; Triple green manuring with sunhemp (one time) and Cowpea (two times) + biofertilizers viz., Arbuscular mycorrhiza (AM) @ 25g, Azospirillum @ 50 g, Phosphate solubilizing bacteria (PSB) @ 50 g and Trichoderma harzianum @ 50 g/ plant is recommended for organic cultivation of banana. Applying for may be given during rain free period.
BLACK PEPPER (Vegetative)	To manage wilt in pepper, farmers are advised to do the application of Trichoderma viride @ / Pseudomonas or Bacillus 25 gm and Neem cake 500gm is recommended. Apply may be given during rain free period.

Dindigul

SMS Chances of light rain during 3, 4, 5, 6 & 7 July. Maximum temperature would be in the range of 34°C to 37°C and the minimum temperature would be between 24°C - 26°C.
Advisory : Cloudy sky will appear for the next five days. Wind is expected with the speed of 8-12 Kmph from, West direction.

General Advisory:

Extended range Forecast for next week (05th to 11th July 2024):

Rainfall:

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 5th to 11th July 2024.

Maximum Temperature:

Maximum temperatures are likely to be generally normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 5th to 11th July 2024.

Minimum Temperature:

Minimum temperatures are likely to be near normal and are likely to be in the range 20°C to 24°C over the district during next week 05th to 11th July 2024.

]Weather Based Agro-Advisories: (Guava, Coconut & Animal Husbandry)

Guava:

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

To manage this pest, farmers are advised to collect and destroy the damaged plant parts and do regular pruning. Shade regulation facilitates proper penetration of sunlight inside the canopy which reduces the incidence of this pest.

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

Coconut:

The incidence of Black-headed caterpillars is expected in the Coconut crop. Coconut trees of all ages are attacked by this pest. Dried-up patches on the leaflets of the lower leaves, only three or four youngest leaves at the center of the crown remain green.

Galleries of silk and frass are found on the underside of leaflets. In case of severe infestation, the whole plantations present a scorched appearance.

To control, root feeding of Fipronil @ 25ml with 75ml of water per tree is recommended.

Animal Husbandry:

Goat rearing farmers are advised to prevent the goat from Tapeworm, which leads to mortality and weight loss.

Goats have to be de-wormed from July to September, contact the nearby veterinarian and provide deworming medicines to your goats.

Madurai

SMS Chances of light rain during 3, 4, 5, 6 & 7 July. Maximum temperature would be in the range of 34°C to 37°C and the minimum temperature would be between 24°C - 26°C.
Advisory : Cloudy sky will appear for the next five days. Wind is expected with the speed of 8-14 Kmph from, West direction.

General Advisory:

Extended range Forecast for next week (05th to 11th July 2024):

Rainfall:

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 5th to 11th July 2024.

Maximum Temperature:

Maximum temperatures are likely to be generally normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 5th to 11th July 2024.

Minimum Temperature:

Minimum temperatures are likely to be near normal and are likely to be in the range 20°C to 24°C over the district during next week 05th to 11th July 2024.

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

Paddy:

Since Rainfall is expected in the coming days, farmers planning to plant paddy in the month of August can sow green manures such as Sunhemp, Dhaincha, and Wild indigo in their field and fold it (ploughed) at the time of flowering, ie 45 days later to increase the organic content of the soil.

Tomato:

The incense of Septoria Leaf Spot disease is noticed in Tomato. The plant may be attacked at any stage of its growth. The disease is characterized by numerous, small, grey, circular leaf spots having a dark border.

Remove and destroy the affected plant parts.

Spraying Copper-oxychloride @ 350gm per acre in the field may effectively control the disease.

Animal Husbandry:

Goat rearing farmers are advised to prevent the goat from Tapeworm, which leads to mortality and weight loss.

Goats have to be de-wormed from July to September, contact the nearby veterinarian and provide deworming medicines to your goats.

Pudukottai

SMS Chances of light rain during 3, 4, 5, 6 & 7 July. Maximum temperature would be in the range of 35°C to 36°C and the minimum temperature would be between 25°C - 26°C.
Advisory : Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 8-10 Kmph from, South & Southwest directions.

General Advisory:

Extended range Forecast for next week (05th to 11th July 2024):

Rainfall:

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 5th to 11th July 2024.

Maximum Temperature:

Maximum temperatures are likely to be generally normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 5th to 11th July 2024.

Minimum Temperature:

Minimum temperatures are likely to be near normal and are likely to be in the range 20°C to 24°C over the district during next week 05th to 11th July 2024.

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

Banana:

The incidence of Panama Wilt is expected in Banana. The first obvious signs of disease are wilting and a light yellow colouring of the lower leaves. They eventually turn a bright yellow colour with dead leaf margins.

Remove and destroy infested plant parts after harvest. Grow healthy plants with proper fertilization, irrigation & weed control.

To control apply *Pseudomonas fluorescens* @ 2.5kg per ha. along with farmyard manure and apply Neem cake @ 250 Kg Per ha.

Paddy:

Biofertilizers enhance nutrient availability to plants, promote growth, and contribute to soil health.

Azospirillum, in particular, is known to fix nitrogen (up to 80 kg N/ha/season) and improve chlorophyll content and grain protein in paddy. These practices can reduce reliance on chemical fertilizers by up to 50%.

Prepare a solution of *Azospirillum* 1 kg per acre and *Phosphobacteria* or *Azophos* 1 kg per acre in 40 liters of water before planting and soak the roots of the paddy seedlings in the solution for 15 to 30 minutes before planting.

Animal Husbandry:

Goat rearing farmers are advised to prevent the goat from Tapeworm, which leads to mortality and weight loss.

Goats have to be de-wormed from July to September, contact the nearby veterinarian and provide deworming medicines to your goats.

Ramanathapuram

SMS Chances of light rain during 3, 4 & 6 July. Maximum temperature would be in the range of 34°C to 35°C and the minimum temperature would be between 24°C - 25°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 14-22 Kmph from, South & Southwest directions.

General Advisory:

Extended range Forecast for next week (05th to 11th July 2024):

Rainfall:

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 5th to 11th July 2024.

Maximum Temperature:

Maximum temperatures are likely to be generally normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 5th to 11th July 2024.

Minimum Temperature:

Minimum temperatures are likely to be near normal and are likely to be in the range 20°C to 24°C over the district during next week 05th to 11th July 2024.

Weather Based Agro-Advisories: (Paddy, Cotton & Animal Husbandry)**Paddy:**

Farmers planning for Rain-fed Paddy cultivation, are advised to soak the quality seeds with 1% Potassium chloride (KCL) solution for 6 hours, a day before sowing and then dry the seeds in the shade for 16 hours.

Thus the seeds get hardened to get germinated after having enough moisture in the soil. This seed hardening process helps for uniform germination and growth and also for developing vigorous seedlings.

Cotton:

Cotton crops grown in clayey soils are more susceptible to wilt disease. This disease attacks the crop during the young and growing stages.

The leaves at the base of the grown plant will begin to wilt first. If you split the affected stem, you will see dark streaks.

To control this, the drenching of Azoxystrobin @ 10ml per tank with Copper oxychloride @ 35ms per tank is recommended.

Animal Husbandry:

Goat rearing farmers are advised to prevent the goat from Tapeworm, which leads to mortality and weight loss.

Goats have to be de-wormed from July to September, contact the nearby veterinarian and provide deworming medicines to your goats.

Sivagangai

SMS Advisory : Chances of light rain on 3 & 6 July. Maximum temperature would be in the range of 34°C to 36°C and the minimum temperature would be between 24°C - 26°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 8-12 Kmph from, South & Southwest directions.

General Advisory:

Extended range Forecast for next week (05th to 11th July 2024):

Rainfall:

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 5th to 11th July 2024.

Maximum Temperature:

Maximum temperatures are likely to be generally normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 5th to 11th July 2024.

Minimum Temperature:

Minimum temperatures are likely to be near normal and are likely to be in the range 20°C to 24°C over the district during next week 05th to 11th July 2024.

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

Banana:

The root-lesion nematodes and root knot nematodes are noticed in Banana. The nematodes-infested banana tree shows stunting and yellowing of leaves, blackish or reddish lesions on the roots.

Farmers are advised to apply FYM @ 10kg with neem cake 250 gm per tree and intercrop with marigold or sunhemp and in situ ploughing at the time of flowering.

Apply liquid formulation of Pseudomonas fluorescence @ 2 litre per ha. during 2, 4 and 6 months after planting through drip irrigation.

Groundnut:

The incidence of Gram pod borer is expected in Groundnut. The larvae feed on the foliage, prefers flowers and buds, when tender leaf buds are eaten, symmetrical holes or cuttings can be seen upon unfolding of leaflets.

Install pheromone trap @ 5Nos./ha. Releasing of Trichogramma chilonis @ 1 lakh/ha, 40 days after sowing of groundnut can effectively check the pest.

Or spray any one of the following insecticide Indoxacarb 14.5%SC @ 160ml /acre (0.5ml per litre) or Spinosad 45% SC @ 60ml per acre (0.5ml/litre) from flower bud formation at fortnight interval.

Animal Husbandry:

Goat rearing farmers are advised to prevent the goat from Tapeworm, which leads to mortality and weight loss.

Goats have to be de-wormed from July to September, contact the nearby veterinarian and provide deworming medicines to your goats.

Theni

SMS Advisory : Chances of light rain during 3, 4, 6 & 7 July. Maximum temperature would be in the range of 31°C to 33°C and the minimum temperature would be between 20°C - 22°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 10-14 Kmph from, West directions.

General Advisory:

Extended range Forecast for next week (05th to 11th July 2024):

Rainfall:

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 5th to 11th July 2024.

Maximum Temperature:

Maximum temperatures are likely to be generally normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 5th to 11th July 2024.

Minimum Temperature:

Minimum temperatures are likely to be near normal and are likely to be in the range 20°C to 24°C over the district during next week 05th to 11th July 2024.

Weather Based Agro-Advisories: (Paddy, Onion & Animal Husbandry)**Paddy:**

The application of Biofertilizer in Paddy will give good results.

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

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

Onion:

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

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

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

Animal Husbandry:

Goat rearing farmers are advised to prevent the goat from Tapeworm, which leads to mortality and weight loss.

Goats have to be de-wormed from July to September, contact the nearby veterinarian and provide deworming medicines to your goats.

Salem

Weather Advisory Bulletin for livestock, poultry and agro advisory

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	Worm control in sheep and goats Gastro – intestinal nematode infection is very common in sheep and goats during monsoon due to the presence of large number of infective

		larvae in the pasture land. Hence, sheep and goats may be dewormed after being screened their faecal samples for G.I nematodes.
Poultry	General	During the monsoon season, poultry farmers are advised to check the moisture and aflatoxin content of the raw materials for feed before purchasing and store them in a well-ventilated damp proof buildings. In the current climatic conditions poultry farmers are advised to make changes in feed formulations based on the suggestions of veterinarians to protect their birds from diseases caused by infectious organisms. During monsoon seasons, there are chances for rain water to enter into the shed and make the litter wet, which will enable the flies to breed in the chicken manure. Hence, farmers are advised to remove manure from their farms from time to time. If it is not possible, they are advised to spray drugs on the chicken manure or mix it with the chicken feed to control the growth of the larva in the manure.
Agro advisory from Krishi Vigyan Kendra		
Green gram	Flowering stage	Farmers are advised to spray imidacloprid @ 1.5 ml / litre of water to control yellow vein mosaic virus disease in green gram crop. Farmers are advised to foliar spray of TNAU pulse wonder @ 2kg + 200 liter of water during flowering stage of green gram to reduce flower shedding and increase the grain yield up to 20 %.
Turmeric	Sowing season	To control the rhizome rot and increase the yield of turmeric enrich turmeric micronutrient mixture @ 4 kg alongwith 40 kg well decomposed farmyard manure and then apply 20 kg at the time of sowing of turmeric and remaining 20 kg at 90 days after planting of turmeric.
Tapioca	Vegetative stage	Tapioca growers are requested to give foliar spraying with zinc sulphate @ 5 gram / litre + iron sulphate @ 10 gram with lemon juice at 60 and 90 days after planting.
Jasmine	Flowering stage	To increase the flowering in jasmine give foliar spraying with panchakavya @ 3% + Humic acid @ 0.4 % at one month interval. Also give foliar spraying with iron sulphate @ 0.5 % and zinc sulphate @ 0.5 % at one month interval.

Namakkal

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	Worm control in sheep and goats Gastro – intestinal nematode infection is very common in sheep and goats during monsoon due to the presence of large number of infective larvae in the pasture land. Hence, sheep and goats may be dewormed after being screened their faecal samples for G.I nematodes.

Poultry	General	During the monsoon season, poultry farmers are advised to check the moisture and aflatoxin content of the raw materials for feed before purchasing and store them in a well-ventilated damp proof buildings. In the current climatic conditions poultry farmers are advised to make changes in feed formulations based on the suggestions of veterinarians to protect their birds from diseases caused by infectious organisms. During monsoon seasons, there are chances for rain water to enter into the shed and make the litter wet, which will enable the flies to breed in the chicken manure. Hence, farmers are advised to remove manure from their farms from time to time. If it is not possible, they are advised to spray drugs on the chicken manure or mix it with the chicken feed to control the growth of the larva in the manure.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Green gram	Flowering stage	Farmers are advised to spray imidacloprid @ 1.5 ml / litre of water to control yellow vein mosaic virus disease in green gram crop. Farmers are advised to foliar spray of TNAU pulse wonder @ 2kg + 200 liter of water during flowering stage of green gram to reduce flower shedding and increase the grain yield up to 20 %.
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Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	<u>Worm control in sheep and goats</u> Gastro – intestinal nematode infection is very common in sheep and goats during monsoon due to the presence of large number of infective larvae in the pasture land. Hence, sheep and goats may be dewormed after being screened their faecal samples for G.I nematodes.

Poultry	General	During the monsoon season, poultry farmers are advised to check the moisture and aflatoxin content of the raw materials for feed before purchasing and store them in a well-ventilated damp proof buildings. In the current climatic conditions poultry farmers are advised to make changes in feed formulations based on the suggestions of veterinarians to protect their birds from diseases caused by infectious organisms. During monsoon seasons, there are chances for rain water to enter into the shed and make the litter wet, which will enable the flies to breed in the chicken manure. Hence, farmers are advised to remove manure from their farms from time to time. If it is not possible, they are advised to spray drugs on the chicken manure or mix it with the chicken feed to control the growth of the larva in the manure.
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Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	Worm control in sheep and goats Gastro – intestinal nematode infection is very common in sheep and goats during monsoon due to the presence of large number of infective larvae in the pasture land. Hence, sheep and goats may be dewormed after being screened their faecal samples for G.I nematodes.

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Karaikal

Agro Advisory

Crop/livestock	Stage/Particulars	Agro Advisory
Cotton	Flowering picking stage to	To control root rot in cotton, sprinkle Bacillus subtilis @ 2.5 kg/ha and Trichoderma viridi @ 2.5 kg/ha mixed with 250 kg FYM and spread evenly in the cotton field.
		To rectify the micro nutrient deficiency in cotton, spray micro nutrient mixture cotton plus @ 6.25 kg/ha.
		Nipping may be done at 15th node for variety and 20th node for hybrid cotton to induce sympodial branches development.

Brinjal	Bearing stage	To manage Brinjal shoot borer, spray Emamectin Benzoate 4% SG @ 0.4g/l.
Gourds	Bearing stage	Spray ethrel @ 100 ppm (1 ml/10 litres of water) in snake gourd and bitter gourd and @ 250 ppm (2.5 ml/10 litres of water) in ribbed gourd, four times commencing from 15th day after sowing at weekly intervals to increase female flowers.
Coconut	Bearing stage	Root feeding of coconut tonic (200 ml / tree) in 3 months interval to avoid button shedding in coconut.

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

Puducherry

Agro Advisory

Crop/livestock	Stage/Particulars	Agro Advisory
Cotton	Flowering picking stage to	To control root rot in cotton, sprinkle Bacillus subtilis @ 2.5 kg/ha and Trichoderma viridi @ 2.5 kg/ha mixed with 250 kg FYM and spread evenly in the cotton field.
		To rectify the micro nutrient deficiency in cotton, spray micro nutrient mixture cotton plus @ 6.25 kg/ha.
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Coconut	Bearing stage	Root feeding of coconut tonic (200 ml / tree) in 3 months interval to avoid button shedding in coconut.

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

Block Wise Advisories of Nilgiris

Coonoor

General Advisory:

To manage leaf spot in carrot crop, foliar application of mancozeb @ 2 g/l is recommended. Spray may be given during rain free period.

SMS Advisory:

To manage leaf spot in Beetroot crop, foliar spray of mancozeb @ 2 g/l on 45, 60 and 75 days after planting is recommended. Spray may be given during rain free period.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
GARLIC	Foliar application of water-soluble micronutrient mixture @ 0.5 g/liter of water during 30, 45 and 60 days after planting may be done to increase the Garlic bulb yield. To manage leaf spot / purple blotch in garlic crop, foliar application of mancozeb @ 2 g/l or copper oxychloride @ 2.5 g/l is recommended. Spray may be given during rain free period.
BLACK PEPPER	To manage wilt in pepper, farmers are advised to do the application of Trichoderma viride @ / Pseudomonas or Bacillus 25 gm and Neem cake 500gm is recommended. Apply may be given during rain free period.

Gudalur**General Advisory:**

Light rainfall is expected for first, third & fourth day, very light rainfall is expected for second & fifth day, To prevent disease incidence due to continuous rain, spray Pseudomonas fluorescens or Bacillus subtilis @ 5 g per litre of water. Spray may be given during rain free period.

SMS Advisory:

To manage wilt in pepper, farmers are advised to do the application of Trichoderma viride @/ Pseudomonas or Bacillus 25gm & Neem cake 500gm is recommended. Apply may be given during rain free period.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
BANANA	Soil application of FYM @ 10 kg + Neem cake @ 1.25 kg as basal; Vermicompost @ 5 kg after 3 months of planting and Wood ash @ 1.75 kg / plant after 5 months of planting; Triple green manuring with sunhemp (one time) and Cowpea (two times) + biofertilizers viz., Arbuscular mycorrhiza (AM) @ 25g, Azospirillum @ 50 g, Phosphate solubilizing bacteria (PSB) @ 50 g and Trichoderma harzianum @ 50 g/ plant is recommended for organic cultivation of banana. Applying for may be given during rain free period.

Kotagiri

General Advisory:

To manage leaf spot in carrot crop, foliar application of mancozeb @ 2 g/l is recommended. Spray may be given during rain free period.

SMS Advisory:

To manage leaf spot in Beetroot crop, foliar spray of mancozeb @ 2 g/l on 45, 60 and 75 days after planting is recommended. Spray may be given during rain free period.

Horticulture Specific Advisory:

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BLACK PEPPER	To manage wilt in pepper, farmers are advised to do the application of Trichoderma viride @ / Pseudomonas or Bacillus 25 gm and Neem cake 500gm is recommended. Apply may be given during rain free period.

Udhagamandalam

General Advisory:

To manage leaf spot in carrot crop, foliar application of mancozeb @ 2 g/l is recommended. Spray may be given during rain free period.

SMS Advisory:

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Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
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BLACK PEPPER	To manage wilt in pepper, farmers are advised to do the application of Trichoderma viride @ / Pseudomonas or Bacillus 25 gm and Neem cake 500gm is recommended. Apply may be given during rain free period.

