



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

## **DISTRICT LEVEL**

# **Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 053/2023**

For the period 0830 IST, 04<sup>th</sup> July 2023 to

0830 IST, 09<sup>th</sup> July 2023

**Issued on Tuesday, 04<sup>th</sup> July 2023**

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 30.06.23 to 03.07.23 for the State of Tamilnadu & Puducherry

### Temperature:

Maximum Temperature of range **30°C – 40°C** prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range **17°C – 21°C** during the period.

Minimum temperature of range **21°C - 29°C** prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range **11°C - 12°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)	30.06.23, 02.07.23 & 03.07.23	Puducherry
Isolated (One or Two Places)	30.06.23, 01.07.23, 02.07.23 & 03.07.23	Tamil Nadu
Dry	01.07.23	Puducherry

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

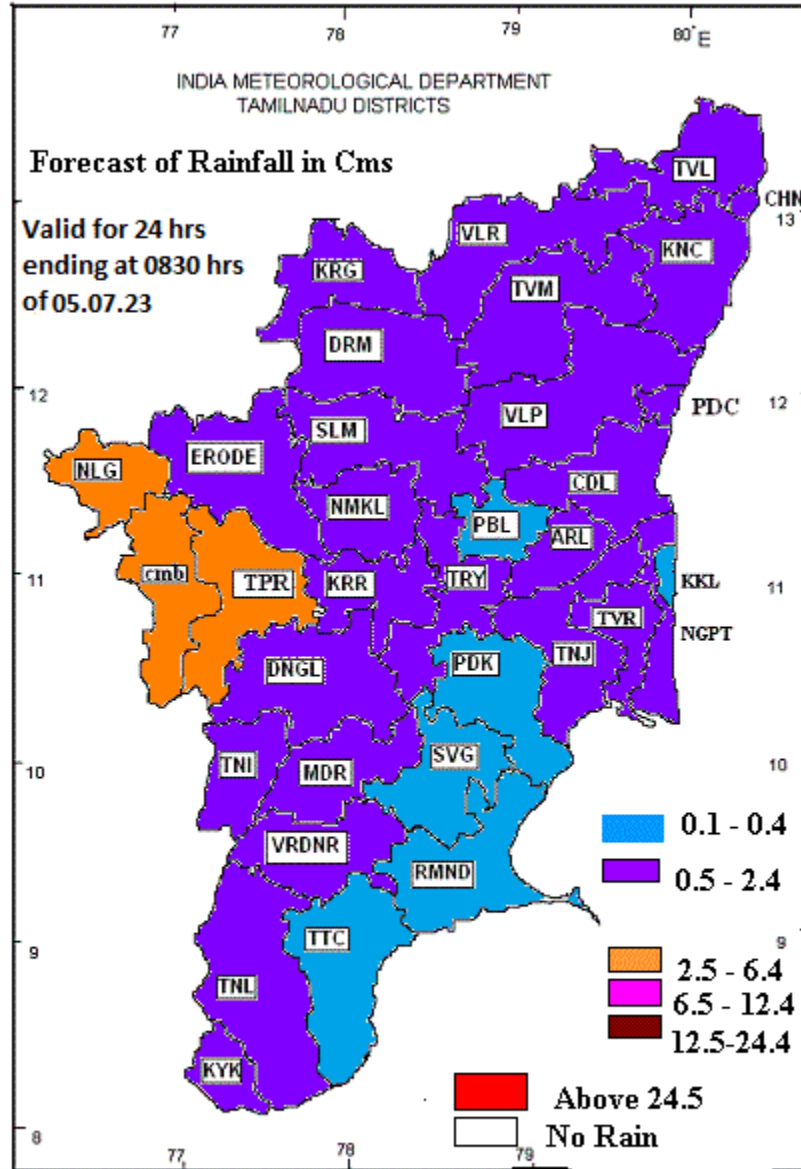
**30.06.23** : : IAF Tambaram (dist Chengalpattu) 6, Satyabama Uty ARG (dist Chengalpattu), Manamelkudi (dist Pudukkottai), Pattukottai (dist Thanjavur), Tiruvadana (dist Ramanathapuram), Taluk Office Pandalur (dist Nilgiris) 5 each, Ayinkudi (dist Pudukkottai), Sriperumbudur (dist Kancheepuram), Nagudi (dist Pudukkottai), Echanviduthi (dist Thanjavur), Arantangi (dist Pudukkottai), R.s.mangalam (dist Ramanathapuram), West Tambaram ARG (dist Chengalpattu) 3 each, Arakonam (dist Ranipet), Virudachalam (dist Cuddalore), Theerthandathanam (dist Ramanathapuram), Vattanam (dist Ramanathapuram), Kollidam (dist Mayiladuthurai), Upper Bhavani (dist Nilgiris), Basl Manalurpet (dist Kallakurichi), Thiruthuraipoondi (dist Tiruvarur), Kodaikannal Boat Club (dist Dindigul) 2 each, Adirampatnam (dist Thanjavur), Basl Mugaiyur (dist Villupuram), Barwood (dist Nilgiris), Sirkali (dist Mayiladuthurai), Mimisal (dist Pudukkottai), Ulundurpet (dist Kallakurichi), Yercaud (dist Salem), Worth Estate Cher (dist Nilgiris), Upper Gudalur (dist Nilgiris), Harisan Malayalam Ltd. (dist Nilgiris), Madukkur (dist Thanjavur), Orthanad (dist Thanjavur), Avalanche (dist Nilgiris), G Bazar (dist Nilgiris), Kodaikanal (dist Dindigul), Panapakkam (dist Ranipet), Wood Braiyar Estate (dist Nilgiris), Sholayar (dist Coimbatore), Vedaranyam (dist Nagapattinam), Peravurani (dist Thanjavur), Tondi (dist Ramanathapuram), Muthupet (dist Tiruvarur), Dscl Kalayanallur (dist Kallakurichi), Naduvattam (dist Nilgiris), Kadaladi (dist Ramanathapuram), Kunderipallam (dist Erode), V.kalathur (dist Perambalur), Tiruvallur 1 each.

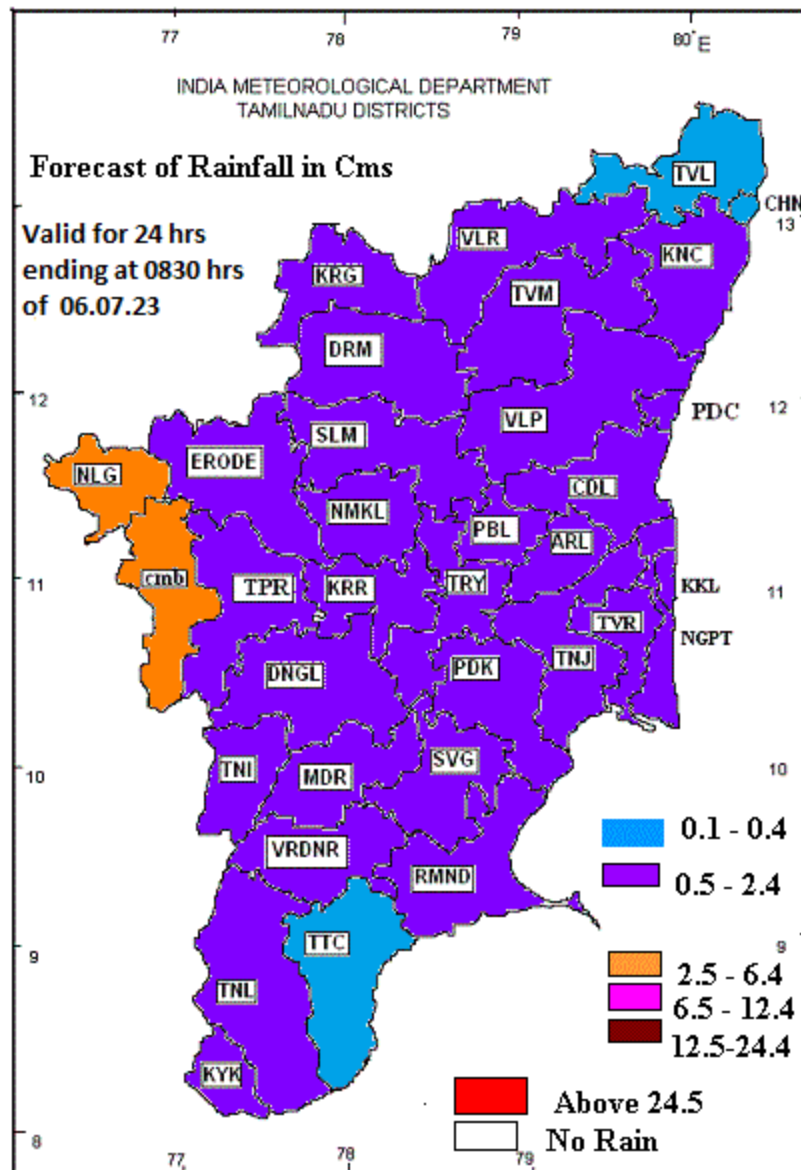
**01.07.23** : Kurinjipadi (dist Cuddalore) 6, Me Mathur (dist Cuddalore) 5, Bhuvanagiri (dist Cuddalore), Viradhachalam Kvk AWS (dist Cuddalore), Kuppanatham (dist Cuddalore), Ulundurpet (dist Kallakurichi), Virudachalam (dist Cuddalore) 3 each, Sethiathope (dist Cuddalore) 2, Chidambaram (dist Cuddalore), Tiruttani (dist Tiruvallur), Upper Bhavani (dist Nilgiris), Vadakuthu (dist Cuddalore) 1 each.

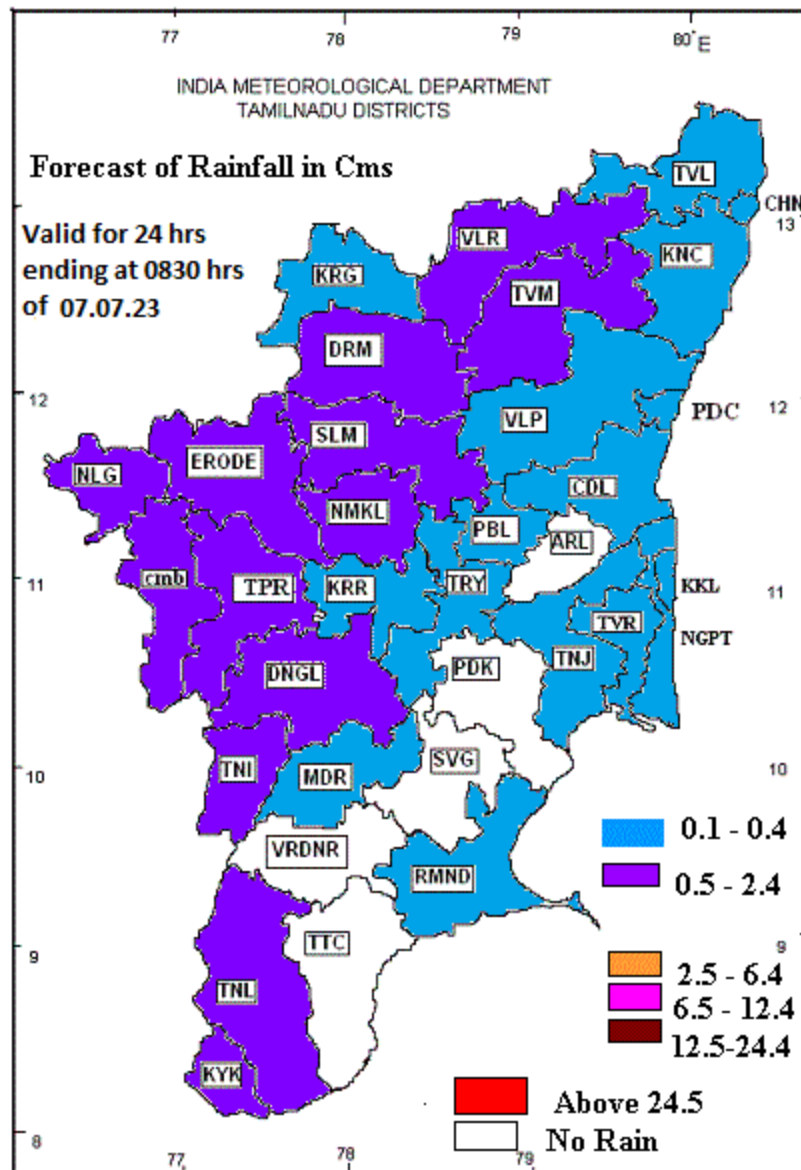
**02.07.23** : Puducherry (dist Puducherry), Devala (dist Nilgiris) 4 each, Avalanche (dist Nilgiris) 3, Virudunagar AWS (dist Virudhunagar), Vanur (dist Villupuram), Kancheepuram (dist Kancheepuram), Gudalur Bazar (dist Nilgiris), Naduvattam (dist Nilgiris), Rsl-3 Valathy (dist Villupuram), Manamadurai (dist Sivaganga), Sriperumbudur (dist Kancheepuram), Siruvani Adivaram (dist Coimbatore), Vallam (dist Villupuram), Upper Gudalur (dist Nilgiris) 2 each, Manimutharu Dam PWD (dist Kallakurichi), Barwood (dist Nilgiris), Kaveripakkam (dist Ranipet), Kovilankulam (dist Virudhunagar), Aruppukottai KVK AWS (dist Virudhunagar), Maduranthagam (dist Chengalpattu), Gingee (dist Villupuram), Thandampettai (dist Tiruvannamalai), Lower Anaicut (dist Thanjavur), Virudachalam (dist Cuddalore), Kollidam (dist Mayiladuthurai), Parangipettai (dist Cuddalore), Taluk Office Pandalur (dist Nilgiris), Valparai PTO (dist Coimbatore), Tindivanam (dist Villupuram), Sivaganga (dist Sivaganga), Jayamkondam (dist Ariyalur), Me Mathur (dist Cuddalore), Sular (dist Coimbatore), Tirupattur (dist Tirupattur) 1 each.

**03.07.23** : Madurai South (dist Madurai) 10, Thirukalukundram (dist Chengalpattu) 5, Ponnamaravathi (dist Pudukkottai), Mahabalipuram (dist Chengalpattu), Valparai PAP (dist Coimbatore), Valparai Taluk Office (dist Coimbatore) 4 each, Adavinainnarkoil Dam (dist Tenkasi), Wood Braiyar Estate (dist Nilgiris), Kancheepuram (dist Kancheepuram), Harisan Malayalam Ltd. (dist Nilgiris), Valparai PTO (dist Coimbatore), Barwood (dist Nilgiris), Walajabad (dist Kancheepuram), Maduranthagam (dist Chengalpattu), Taluk Office Pandalur (dist Nilgiris), Naduvattam (dist Nilgiris) 3 each, Tirumayam (dist Pudukkottai), Gudalur Bazar (dist Nilgiris), Sholayar (dist Coimbatore), Worth Estate Cherumulli (dist Nilgiris), Tallakulam (dist Madurai), Upper Gudalur (dist Nilgiris), Chengalpattu (dist Chengalpattu), Devala (dist Nilgiris), Usilampatti (dist Madurai), Thuvakudi (dist Trichy), Chennimalai (dist Erode), KVK Kattukuppam ARG (dist Kancheepuram), Orthanad (dist Thanjavur), Cheyyur (dist Chengalpattu) 2 each, Glenmorgan (dist Nilgiris), Cincona (dist Coimbatore), Grand Anaicut (dist Thanjavur), Vettikadu (dist Thanjavur), R.K.pet (dist Tiruvallur), Singampunari (dist Sivaganga), Sirukudi (dist Trichy), Nlumukku (dist Tirunelveli), Tiruttani PTO (dist Tiruvallur), Oothu (dist Tirunelveli), Madurai North (dist Madurai), Madurai Airport (dist Madurai), Sriperumbudur (dist Kancheepuram), Periyar (dist Theni), Uthukuli (dist Tiruppur), Uthiramerur (dist Kancheepuram), Ayikudi (dist Tenkasi), Chinnakalar (dist Coimbatore), Vembakkam (dist Tiruvannamalai), Thekkadi (dist Theni), Lalgudi (dist Trichy), Periyapatti (dist Madurai), Papanasam (dist Tirunelveli), Pallipattu (dist Tiruvallur), Kakkachi (dist Tirunelveli), Sular (dist Coimbatore) 1 each.

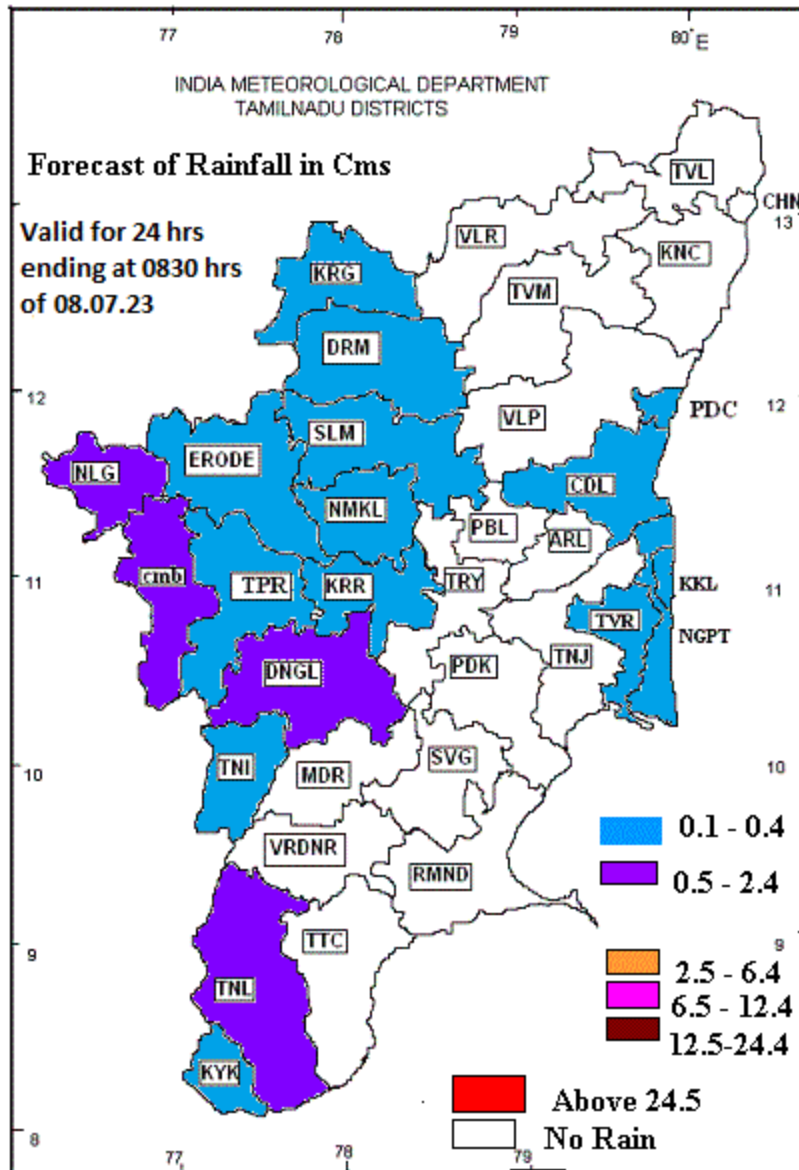
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 04.07.23  
VALID FOR THE NEXT 5 DAYS**

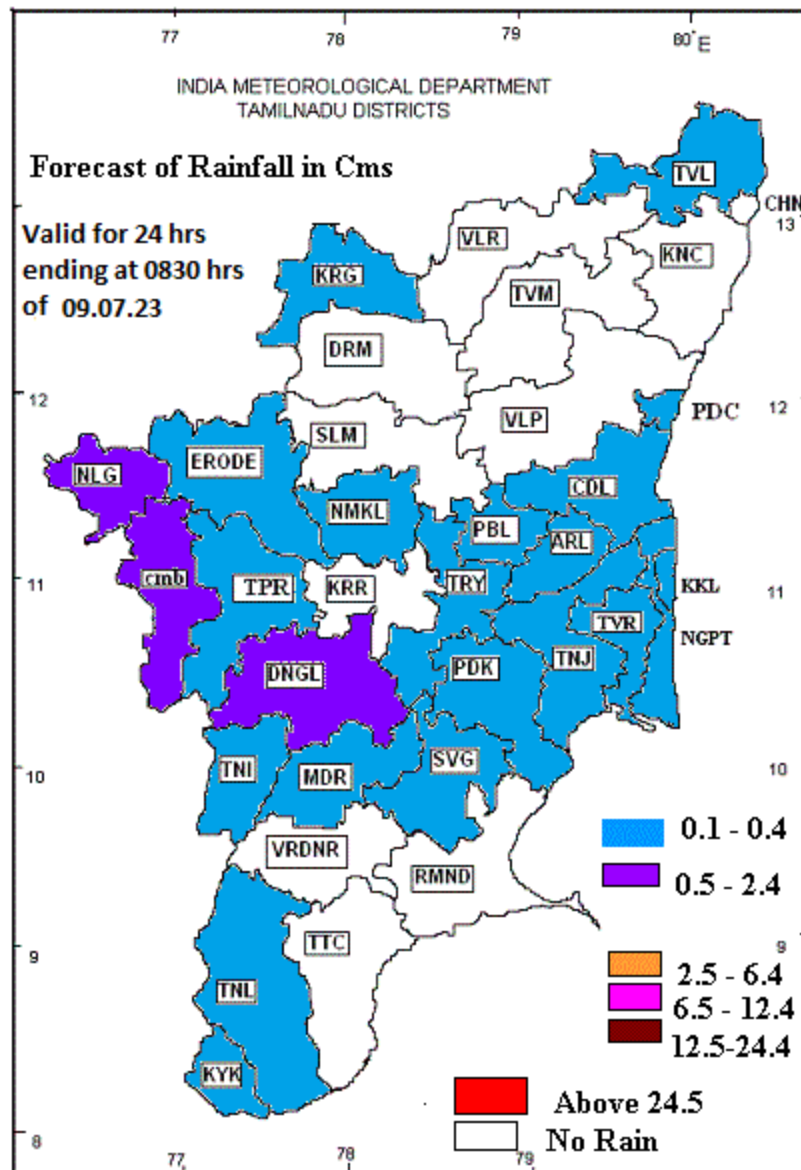












## District-wise Agromet Advisories

### Chennai

SMS Advisory:

(05.07.2023-09.07.2023) 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 conclusive environment for mosquitoes & files. 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.

### Kancheepuram

SMS Advisory:

(05.07.2023-09.07.2023) 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 conclusive environment for mosquitoes & files. 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 Sugarcane:

To avoid the side shoot germination from internodes in sugarcane farmers may detrash the sugarcane and advised to go for double line propping with trash twist.

Chilli:

There are possibilities of rainfall in upcoming days, so farmers are advised to create proper drainage facilities in vegetable crop fields to drain the excess water.

Brinjal:

There are possibilities of damping off infestation in brinjal nursery field. For management farmers are advised to apply *Pseudomonas fluorescens* as a soil application @ 2.5 kg/ha mixed with 50 kg of FYM (or) Prepare raised nursery beds and avoid stagnation of water.

Bitter Gourd:

There are possibilities of leaf minor infestation in Cucurbit crops. Farmers are advised to take necessary plant protection measures as per the advice of the Horticulture Officer.

## Villupuram

SMS Advisory:

(05.07.2023-09.07.2023) 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:

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.

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).

Coconut:

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 sever case, spray neem oil 10 ml/lit of water or spray azadirachtin 2.0 ml/lit of water with 1.0 ml of sticking agent.

## Tiruvannamalai

### SMS Advisory:

(05.07.2023-09.07.2023) 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 conclusive environment for mosquitoes & files. 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.

#### Coconut:

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

#### Banana:

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

## Tiruvallur

From extended range forecast Above normal rainfall, normal minimum temperature and maximum temperature expected for the period of 09.07.2023 to 15.07.2023 over Tamil Nadu. Very light to light rainfall may be expected in the forthcoming days, so while going for chemical spray add sticky agent.

Crop(Varieties)	Crop Specific Advisory
RICE	1.Transplanting of short duration rice varieties can be continued with drainage and provide proper drainage facility to the nursery field; 2.Prevaling weather condition may cause leaf folder infestation in paddy crop. To control spray carbosulfan 400 ml/acre; 3. Stem bore- Spray Azadirachtin 0.03% 400 ml (Or) Flubendiamide 20% WG 50g per acre in 200 litres of water; 4.Bacterial leaf blight- Spray twice copper hydroxide 77 WP 500 g per acre in 200 litres of water; 30 and 45 days after planting.
GROUNDNUT	1.Based on past and foretasted rainfall event there may be chance of high soil moisture which leads to root rot in groundnut to control spray soil application of bacillus substilis @ 2.5 kg /ha with 50 kg of well decomposed FYM / sand at 30 Days After sowing; 2. Red hairy cater pillar- Dig a trench 30 cm deep and 25 cm wide with perpendicular sides around the infested fields to avoid larval migration and In rain

	fed crop set up 3 to 4 light traps.
SUGARCANE	Inter node borer- I). Release egg parasitoid, Trichogramma chilonis at the rate of 1.0 cc / release/ha (Six releases at 15 days interval starting from fourth month); II). Detrash the crop on 150th and 210th day of planting. Detrashing dislodge the pupae that remain in the leaf sheath; III). Avoid the use of excessive nitrogenous fertilizers; 2. Termite- Spray Chlorantraniliprole 18.5% SC @ 200 ml (or) Thiamethoxam 75% w/w SG 64 g per acre in 200 litres of water.
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	1. To control the Rhinoceros beetle 1. Soak castor cake at 1 kg in 5 liter of water in small mud pots and keep them in the coconut gardens to attract and kill the adults. 2. Apply mixture of neem seed powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown.
COCONUT	Conserve the expected rainfall by providing basin in coconut farms. Apply fertilizer for the coconut trees more than 5 years @ 650 g urea, 1 kg super phosphate, 1 kg potash per tree. Also apply 250 g of micro nutrient per tree and don't mix micro nutrient with soil.
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
RAIN WATER HARVESTING	1. It is recommended to prioritize repairing water channels, farm ponds and other water bodies promptly to collect rainwater; 2. It is recommended to undertake measures to strengthen the basins in order to improve rainwater harvesting efficiency in guava and mango crop.

## Vellore

As per the IMD extended range forecast (ERF), above normal rainfall and normal temperature is likely over Tamil Nadu and Puducherry during July 9th to 15th, 2023. Light to moderate rainfall may be expected on forthcoming days. So, farmers are advised to temporarily avoid fertilizer application, insecticides or pesticides spray during rainy days. The vegetable crops may be affected due to continuous rainfall. So, provide adequate drainage.

Crop(Varieties)	Crop Specific Advisory
RICE	Transplanting of rice varieties may be done utilizing the expected rainfall and provide proper drainage facility to the nursery field. Due to day temperature, leaf folder incidence was observed in rice field. The symptom of damage shows the leaves fold longitudinally, scrapes the green tissues of the leaves, which later becomes white and dry and severe infestation the whole field exhibits scorched appearance. To control this, apply fipronil 80% WG 20-25 g/acre.
SUGARCANE	As strong winds are expected along with rainfall, so farmers are advised to detrash and propping in five months old sugarcane crop .
Horticulture(Va	Horticulture Specific Advisory

ieties)	
COCONUT	The coconut tree basins may be sown with sunhemp utilizing the expected rainfall and incorporated at flowering stage. To control Rugose Spiraling Whitefly in coconut, setup yellow sticky traps (size 5x1.5 feet) @ 8/ac in between the trees.
BANANA	High wind speed (>10 kmph) is expected on forthcoming days, so prop up 5 month old banana trees.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Give tree leaves like agathi, soundal, glyricidia, mulberry and velimasal each 0.5kg, total 2.5kg per cow per day favours the higher production of milk and milk fat. Also give 50ml of ostovetforte and 40gram of mineral mixture(TANUVAS) per day for milk production and to get one calf per year per cow.
GOAT	Give vaccine PPR@1ml per animal as vaccination through subcutaneous route prevents the incidences of PPR disease which causes diarrhea, fever, running nose and death of animals.

## Coimbatore

### Agro Advisory

Crop	Stage	Advisory
General		Moderate to Heavy rainfall is expected with wind speed of 8 - 16 km/hr in Western Zone districts during next five days. Moderate to heavy rainfall is expected. Irrigation and spraying operations may be postponed and provide adequate drainage. Harvest the excess water safely in Farm Ponds.
Rice	Planting	Considering the anticipated rainfall drainage should be provided to nursery and recently transplanted rice to prevent rain damage to seedlings.
Sorghum	Vegetative	By utilizing the rainfall, apply urea 50 kg/ha as nitrogen fertilizer to the rain fed sorghum crop.
Maize	Sowing	By utilizing expected rainfall sowing of maize with imidacloprid 70S seed treatment @ 10g/kg seed is advised.
Small millets	Sowing	With the receipt of anticipated rainfall sowing of small millets and millets may be taken up along the Western Ghats.
Sugarcane	Vegetative	Since rainfall with squally wind is expected, dethrash and propping in five months old sugarcane crop is recommended against the lodging. Late season sugarcane planting can be continued and if already planted, gap filling may be done.
Banana	Above 5 months old	Rain fall with 10-16 km/hour wind speed may cause lodging in banana. Providing support to five months and above old banana.
Turmeric	Vegetative	By utilizing the rainfall, weeding may be done in 30 days old Turmeric. Apply top dressing of urea 22 kg and Potash 10 kg in 30 days and 60 days old turmeric. Occurrence of leaf spot incidence in turmeric crop may be monitored because of heavy wind, high relative humidity and cloudiness.

Grapes		Considering the anticipated high relative humidity, grapes may be infected with either powdery mildew or downy mildew. Spray 0.3% wettable Sulphur or spray 1% Bordeaux mixture for Powdery mildew and Downey mildew, respectively.
Coconut		Conserve the expected rainfall by providing basin in coconut farms. Apply fertilizer for the coconut trees more than 5 years @ 650 g urea, 1 kg super phosphate, 1 kg potash per tree. Also apply 250 g of micronutrient per tree and don't mix micronutrient with soil.
Animal Husbandry		Due to windiness, flies population will be more in animal shed. Provide adequate cleaning and sprinkle potassium permanganate solution three times a day.

#### SMS advisory

Moderate rainfall with heavy wind is expected. Irrigation may be postponed and provide adequate drainage. Provide support to banana against lodging.

## Erode

#### Agro Advisory

Crop	Stage	Advisory
General		Moderate to Heavy rainfall is expected with wind speed of 8 – 16 km/hr in Western Zone districts during next five days. Moderate to heavy rainfall is expected. Irrigation and spraying operations may be postponed and provide adequate drainage. Harvest the excess water safely in Farm Ponds.
Rice	Planting	Considering the anticipated rainfall drainage should be provided to nursery and recently transplanted rice to prevent rain damage to seedlings.
Sorghum	Vegetative	By utilizing the rainfall, apply urea 50 kg/ha as nitrogen fertilizer to the rain fed sorghum crop.
Maize	Sowing	By utilizing expected rainfall sowing of maize with imidacloprid 70S seed treatment @ 10g/kg seed is advised.
Small millets	Sowing	With the receipt of anticipated rainfall sowing of small millets and millets may be taken up along the Western Ghats.
Groundnut	Vegetative	Considering the anticipated rainfall gypsum @ 400 kg/ha may be incorporated in the 40 days old groundnut crop.
Sugarcane	Vegetative	Since rainfall with squally wind is expected, dethrash and propping in five months old sugarcane crop is recommended against the lodging. Late season sugarcane planting can be continued and if already planted, gap filling may be done.
Banana	Above 5 months old	Rain fall with 8-12 km/hour wind speed may cause lodging in banana. Providing support to five months and above old banana.
Turmeric	Vegetative	By utilizing the rainfall, weeding may be done in 30 days old Turmeric. Apply top dressing of urea 22 kg and Potash 10 kg in 30 days and 60 days old turmeric. Occurrence of leaf spot incidence in turmeric crop may be monitored because of heavy wind, high relative humidity and cloudiness.
Coconut		Conserve the expected rainfall by providing basin in coconut farms. Apply



		fertilizer for the coconut trees more than 5 years @ 650 g urea, 1 kg super phosphate, 1 kg potash per tree. Also apply 250 g of micronutrient per tree and don't mix micronutrient with soil.
Animal Husbandry		Due to windiness, flies population will be more in animal shed. Provide adequate cleaning and sprinkle potassium permanganate solution three times a day.

SMS advisory

Moderate rainfall with heavy wind is expected. Irrigation may be postponed and provide adequate drainage. Provide support to banana against lodging.

## Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		Moderate to Heavy rainfall is expected with wind speed of 8 - 16 km/hr in Western Zone districts during next five days. Moderate to heavy rainfall is expected. Irrigation and spraying operations may be postponed and provide adequate drainage. Harvest the excess water safely in Farm Ponds.
Sorghum	Vegetative	By utilizing the rainfall, apply urea 50 kg/ha as nitrogen fertilizer to the rain fed sorghum crop.
Maize	Sowing	By utilizing expected rainfall sowing of maize with imidacloprid 70S seed treatment @ 10g/kg seed is advised.
Groundnut	Vegetative	Considering the anticipated rainfall gypsum @ 400 kg/ha may be incorporated in the 40 days old groundnut crop.
Sugarcane	Vegetative	Since rainfall with squally wind is expected, dethrash and propping in five months old sugarcane crop is recommended against the lodging. Late season sugarcane planting can be continued and if already planted, gap filling may be done.
Banana	Above 5 months old	Rain fall with 14-16 km/hour wind speed may cause lodging in banana. Providing support to five months and above old banana.
Animal Husbandry		Due to windiness, flies population will be more in animal shed. Provide adequate cleaning and sprinkle potassium permanganate solution three times a day.

SMS advisory

Moderate rainfall with heavy wind is expected. Irrigation may be postponed and provide adequate drainage. Provide support to banana against lodging.

## Nilgiris

To manage Late blight in potato crop, foliar spray of mancozeb @ 2 g/l or chlorothalonil @ 2 g/l on 45, 60 and 75 days after planting is recommended. Due to continuous rainfall, drainage facilities have to be created to drain the excess water in vegetables.

Horticulture(Varieties)	Horticulture Specific Advisory
BLACK PEPPER	Soil application of Bacillus subtilis (BbV 57) or Pseudomonas fluorescens @ 10 g/vine is recommended for the management of root knot and reniform nematode population in black pepper.

## Nilgiris Block level

### Coonoor, Gudalur, Kotagiri and Ooty Blocks

To manage Late blight in potato crop, foliar spray of mancozeb @ 2 g/l or chlorothalonil @ 2 g/l on 45, 60 and 75 days after planting is recommended. Due to continuous rainfall, drainage facilities have to be created to drain the excess water in vegetables.

Horticulture(Varieties)	Horticulture Specific Advisory
BLACK PEPPER	Soil application of Bacillus subtilis (BbV 57) or Pseudomonas fluorescens @ 10 g/vine is recommended for the management of root knot and reniform nematode population in black pepper.

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

### Agro Advisory

Crop	Stage	Advisory
Rice	Main field	Prevailing weather condition is suitable for weeding and hence first hand weeding can be given on 20 to 25 days after transplanting.
cotton	Vegetative	The prevailing weather condition favors reddening in cotton. To correct this problem apply 2 % MgSO <sub>4</sub> , Urea 1 % and 0.1% ZnSO <sub>4</sub> as foliar spray.
Coconut		To reduce the button shedding under this weather condition, feed the roots with 200 ml of coconut tonic per palm.
Cattle	Cow	Present weather is conducive for the initiation of foot and mouth disease in dairy animals and cattle. All farmers must vaccinate the animals to control the disease.

### SMS advisory

To reduce the button shedding under this weather condition, feed the roots with 200 ml of coconut tonic per palm.

## Tiruchirapalli

Tamilnadu's average rainfall is likely to be increase than the normal during this week (05.07.2023 to 11.07.2023) From 2.10 mm to 4.08 mm. Light rainfall expected in forthcoming days. So farmers are requested to postpone the spraying process or spray in alternative days.

Crop(Varieties)	Crop Specific Advisory
SUNFLOWER	Cut the capitula (flower heads) only. Thresh and clean. Immediately after harvest, dry the heads in the sun for 3 days. Spread the heads in thin layer and give turning once in 3 hours. NOTE: Do not heap or store the heads before drying properly as mould fungi will develop and spoil the grain quality. Thresh using a mechanical thresher, or beat with a stick and separate the grains, Winnow and clean the seeds, Dry the seeds again in the sun for another two days & Store in gunny bags.
SESAME (GINGELLY/TIL)	Observe the crop, considering the average duration of the crop. 25% of the leaves from the bottom are shed and the top leaves lose their colour and turn yellow at maturity. The colour of the stem turns yellow. The colour of the capsules turn yellow upto the middle. Harvest before the bottom capsules turn brown. Examine the 10th capsule from the bottom by opening. If the seeds attained the full colour of the variety harvest may be taken up. If harvest is delayed/ the capsules will dehisce resulting in yield reduction.
Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	Due to prevailing weather the white fly incidence may occur in Tomato. To control install yellow sticky traps @12/ha.
TAPIOCA	To control mealy bug in tapioca, Release of mealy bug parasitoid (Acerophagus papayae) @100 Nos./acre.
Live Stock(Varieties)	Live Stock Specific Advisory
GOAT	Pneumonia in goats – Fever, Respiratory distress, Mucous discharge from nostril, Reduced feed intake & Weight gain and Cough. Remedial measures: Provide clean water and ventilated house.
COW	The dairy animals should be milked completely within 5 to 8 minutes. Since the oxytocin hormone release will be only during this period. It will help for preventing mastitis infection in cow.

## Tiruchirapalli Block level

**Andanallur, Lalgudi, Manachanellur, Manapparai, Manikandam, Marungapuri, Musiri, Pullambadi, Tattayangarpettai, Thiruverambur, Thottiam, Turaiyur, Uppiliapuram & Vaiyampatti Blocks**

Tamilnadu's average rainfall is likely to be increase than the normal during this week (05.07.2023 to 11.07.2023) From 2.10 mm to 4.08 mm. Light rainfall expected in forthcoming days. So farmers are requested to postpone the spraying process or spray in alternative days.

Crop(Varieties)	Crop Specific Advisory
SUNFLOWER	Cut the capitula (flower heads) only. Thresh and clean. Immediately after harvest, dry the heads in the sun for 3 days. Spread the heads in thin layer and give turning once in 3 hours. NOTE: Do not heap or store the heads before drying properly as mould fungi will develop and spoil the grain quality. Thresh using a mechanical thresher, or beat with a stick and separate the grains, Winnow and clean the seeds, Dry the seeds again in the sun for another two days & Store in gunny bags.
SESAME (GINGELLY/TIL)	Observe the crop, considering the average duration of the crop. 25% of the leaves from the bottom are shed and the top leaves lose their colour and turn yellow at maturity. The colour of the stem turns yellow. The colour of the capsules turn yellow upto the middle. Harvest before the bottom capsules turn brown. Examine the 10th capsule from the bottom by opening. If the seeds attained the full colour of the variety harvest may be taken up. If harvest is delayed/ the capsules will dehisce resulting in yield reduction.
Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	Due to prevailing weather the white fly incidence may occur in Tomato. To control install yellow sticky traps @12/ha.
TAPIOCA	To control mealy bug in tapioca, Release of mealy bug parasitoid (Acerophagus papayae) @100 Nos./acre.
Live Stock(Varieties)	Live Stock Specific Advisory
GOAT	Pneumonia in goats – Fever, Respiratory distress, Mucous discharge from nostril, Reduced feed intake & Weight gain and Cough. Remedial measures: Provide clean water and ventilated house.
COW	The dairy animals should be milked completely within 5 to 8 minutes. Since the oxytocin hormone release will be only during this period. It will help for preventing mastitis infection in cow.

## Dindigul

Extended range Forecast for next week (07th – 13rd July 2023):

Rainfall:

As per extended range predictions, there is possibility of near normal to slightly above normal rainfall likely over the district during 07th to 13rd July 2023.

Maximum Temperature:

Maximum temperatures is likely to be near normal and are likely to be in the range 28°C to 34°C over the plains of the district during next week. 07th to 13rd July 2023.

Minimum Temperature:

Minimum temperatures are likely to be near normal and are likely to be in the range 18°C to 24°C over the district during next week 07th to 13rd July 2023.

Heavy rain is likely to occur at one or two places over the district on 5, 6 & 7 July 2023. Farmers are advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rain water. During these days farmers are advised to avoid irrigation, inter-cultural operations and application of plant protection measures to the standing crops, provide adequate drainage facilities in

the fields to avoid water stagnation due to heavy rainfall, do not allow the animals to grazing outside, standing near the trees or electric poles & provide safe shelter.

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, if not yet done, contact the nearby veterinarian and provide deworming medicines to your goats.

SMS Advisory	Chances of Moderate rain during 5, 6, 7 Jul & light rain on 8, 9 Jul. Maximum temperature would be in the range of 32°C to 35°C and the minimum temperature would be between 22°C - 24°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 12-14 Kmph from, Southwest & West directions.
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## Madurai

Extended range Forecast for next week (07th – 13rd July 2023):

Rainfall:

As per extended range predictions, there is possibility of near normal to slightly above normal rainfall likely over the district during 07th to 13rd July 2023.

Maximum Temperature:

Maximum temperatures is likely to be near normal and are likely to be in the range 28°C to 34°C over the plains of the district during next week. 07th to 13rd July 2023.

Minimum Temperature:

Minimum temperatures are likely to be near normal and are likely to be in the range 18°C to 24°C over the district during next week 07th to 13rd July 2023.

Heavy rain is likely to occur at one or two places over the district on 6 July 2023. Farmers are advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rain water.

During these days farmers are advised to avoid irrigation, inter-cultural operations and application of plant protection measures to the standing crops, provide adequate drainage facilities in the fields to avoid water stagnation due to heavy rainfall, do not allow the animals to grazing outside, standing near the trees or electric poles & provide safe shelter.

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 destruct the affected plant parts.

Spraying Copper-oxchloride @ 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, if not yet done, contact the nearby veterinarian and provide deworming medicines to your goats.

SMS Advisory	Chances of Moderate rain during 5, 6 Jul & light rain on 7, 9 Jul. Maximum temperature would be in the range of 32°C to 35°C and the minimum temperature would be between 22°C - 24°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 6-8 Kmph from, Southwest & West directions.
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## Pudukottai

This is a season for vegetable sowing, hence the farmers are advised to treat the vegetable seeds with Bacillus subtilis @ 4 g / kg of seed before sowing to avoid rot in seedlings. By utilizing rainfall, fodder sorghum or cowpea may be sown under rainfed lands.

Crop(Varieties)	Crop Specific Advisory
RICE	To control leaf blight and sucking insects, mix 2 ml / l of Azadirachtin in running water and spray through the leaf.
BLACK GRAM	Foliar spray of urea 2% at 30 and 45 DAS increased the grain yield of Black gram and Green gram.
Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	Tomato Early blight incidence Spray of hexaconazole 5% SC @ 1ml/l or propiconazole 25% EC @ 1 ml/l at 30 and 50 days after planting.
CHILLI	Chilli Thrips incidence spraying of Emamectin benzoate 5%SG @4g/10 lit. (or) Spinosad 45 %SC @ 3.2ml/10lit.
Horticulture(Varieties)	Horticulture Specific Advisory
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 a sufficient quantity of compost or FYM per palm. Apply this mix near the feeding roots of the palm. Starting from planting time, do this process once every six months. Don't mix bio inputs with any chemical fertilizers and pesticides.

## Ramanathapuram

From extended range forecast, Above normal rainfall, normal maximum and normal minimum temperature expected for the period of July 09 to July 15 over Tamil Nadu. In coconut tree basins application of coconut leaves and coir waste can help to prevent evaporation loss,so farmer can able to save water.

Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Due to the prevailing weather condition incidence of rugose whitefly is expected in coconut. The damage symptoms are presence of heavy white waxy material and sticky honeydew on the under surface of leaves and become black sooty mold formation on the coconut leaves. If symptoms are observed in coconut tree. Spraying of water forcibly on the under surface of the palm by forcible sprayers. Setting up of yellow sticky.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Babesiosis is caused by protozoa that infect red blood cells and affect all age group animal's. The symptoms are high fever, lymph node enlargement, coffee colour urine and death of animals. It can be prevented by ectoparasitoid control.
Poultry(Varieties)	Poultry Specific Advisory
HEN	Due to prevailing weather conditions favourable for ranikhet disease in poultry. The main symptoms are twisting of the neck and paralysis of wings and legs, Diarrhoea, Drop in egg production and sudden death. To prevent ranikhet diseases in poultry contact the local veterinarian for vaccination.

## Sivagangai

Extended range Forecast for next week (07th – 13rd July 2023):

Rainfall:

As per extended range predictions, there is possibility of near normal to slightly above normal rainfall likely over the district during 07th to 13rd July 2023.

Maximum Temperature:

Maximum temperatures is likely to be near normal and are likely to be in the range 28°C to 34°C over the plains of the district during next week. 07th to 13rd July 2023.

Minimum Temperature:

Minimum temperatures are likely to be near normal and are likely to be in the range 18°C to 24°C over the district during next week 07th to 13rd July 2023.

Light to Moderate rain with thunderstorm and lightning is likely to occur at one or two places over district on 5 & 6 July 2023. 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. To safeguard your animals from lightning and thunderstorm, remove the metal bells tied to the necks of animals.

Weather Based Agro – Advisories: (Important Crops: Banana, Paddy & 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 @ 2lit per ha. during 2, 4 and 6 months after planting through drip irrigation.

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.

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, if not yet done, contact the nearby veterinarian and provide deworming medicines to your goats.

SMS Advisory	Chances of light rain during 5, 6 & 9 Jul. Maximum temperature would be in the range of 32°C to 35°C and the minimum temperature would be between 22°C - 24°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 8-16 Kmph from, Southwest direction.
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## Theni

Extended range Forecast for next week (07th – 13rd July 2023):

Rainfall:

As per extended range predictions, there is possibility of near normal to slightly above normal rainfall likely over the district during 07th to 13rd July 2023.

Maximum Temperature:

Maximum temperatures is likely to be near normal and are likely to be in the range 28°C to 34°C over the plains of the district during next week. 07th to 13rd July 2023.

Minimum Temperature:

Minimum temperatures are likely to be near normal and are likely to be in the range 18°C to 24°C over the district during next week 07th to 13rd July 2023.

Heavy rain is likely to occur at one or two places over the district on 5, 6 & 7 July 2023. Farmers are advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rain water. During these days farmers are advised to avoid irrigation, inter-cultural operations and application of plant protection measures to the standing crops, provide adequate drainage facilities in the fields to avoid water stagnation due to heavy rainfall, do not allow the animals to grazing outside, standing near the trees or electric poles & provide safe shelter.

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, if not yet done, contact the nearby veterinarian and provide deworming medicines to your goats.

SMS Advisory	Chances of Moderate rain during 5, 6, 7 Jul & light rain on 8, 9 Jul. Maximum temperature would be in the range of 32°C to 35°C and the minimum temperature would be between 22°C - 24°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 10-14 Kmph from, West direction.
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## Virudhunagar

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Chance for rainfall in coming week. Farmers are requested to postpone the irrigation.
Rainfall	Ploughing	Farmers are requested to practice ploughing for Soil moisture conservation
Sorghum & cumbu (irrigated condition) Pulse Cotton	Harvest	Farmers are requested to harvest immediately and stored in the air tight room to avoid fungal affect.
Groundnut and Red gram	Rainfall	As light to moderate rainfall is predicted for next two days, farmers are requested to go provide the drainage facilities to avoid stagnation of water to overcome the lodging effect.
Sugarcane	Vegetative to tillering stage	To avoid lodging of cane, propping and Earthing-up operation may be practiced. Mulch the ridges uniformly with cane trash to a thickness of 10 cm to conserve the rain water.
Sesame	Vegetative stage	farmers are requested to go provide the drainage facilities to avoid stagnation of water to overcome the lodging effect.
Coconut	All stages	Sow green manure crops around basin to increase the nutrient and also to utilize for soil moisture conservation
Livestock	Sheep	Bluetongue Livestock Disease – very low risk Foot and mouth disease -Medium risk -Regular vaccination and seromonitoring. Disinfection with sodium carbonate (4%) or 10% washing soda and strict biosecurity measures to be followed and animal movement May be controlled. Haemorrhagic septicaemia and Peste des petits ruminants - very low risk

SMS: Rain:05&06.07-6&18 mm. Postpone the irrigation for next two days. Sugarcane- earthing up and propping. Groundnut (irrigated)- provide the drainage facilities.

Tamil Nadu		
Yesterday's cyclonic circulation over southwest Bay of Bengal & neighbourhood now lies over Westcentral Bay of Bengal adjoining north Andhra Pradesh coast and extends between 1.5 & 7.6 km above mean sea level tilting southwestwards with height. Yesterday's off-shore trough at mean sea level now runs from south Gujarat coast to Kerala coast. An east-west shear zone runs roughly along 15°N between 4.5 & 7.6 km above mean sea level. Light to moderate westerlies prevail over the subdivision in the lower tropospheric levels.		
Next five days	Weather warning	<p>Light to moderate rain at a few places with thunderstorm &amp; lightning at one or two places is likely to occur over Tamilnadu, Puducherry &amp; Karaikal area on Day 1 (05.07.2023).</p> <p>Heavy to very heavy rain is likely to occur at one or two places over Nilgiris and Ghat areas of Coimbatore districts of Tamilnadu on Day 1 (05.07.2023).</p> <p>Heavy rain is likely to occur at one or two places over Tiruppur, Dindigul, Theni, Kanyakumari, Tirunelveli, Tenkasi, Erode, Salem, Dharmapuri &amp; Krishnagiri districts of Tamilnadu on Day 1 (05.07.2023).</p> <p>Light to moderate rain at a few places with thunderstorm &amp; lightning at one or two places is likely to occur over Tamilnadu, Puducherry &amp; Karaikal area on Day 2 (06.07.2023).</p> <p>Heavy to very heavy rain is likely to occur at one or two places over Nilgiris, Ghat areas of Coimbatore &amp; Tenkasi districts of Tamilnadu on Day 2 (06.07.2023).</p> <p>Heavy rain is likely to occur at one or two places over Tiruppur, Dindigul, Theni, Madurai, Virudhunagar, Kanyakumari &amp; Tirunelveli districts of Tamilnadu on Day 2 (06.07.2023).</p> <p>Light to moderate rain with thunderstorm &amp; lightning is likely to occur at one or two places is likely to occur at one or two places over Tamilnadu, Puducherry &amp; Karaikal area on Day 3 (07.07.23)</p> <p>Heavy rain is likely to occur at one or two places over Nilgiris, Coimbatore, Tiruppur, Dindigul &amp; Theni districts of Tamilnadu on Day 3 (07.07.23)</p> <p>Light to moderate rain is likely to occur at one or two places over Tamilnadu on Day 4 (08.07.23) &amp; Day 5 (09.07.23)</p>

## Tirunelveli

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Chance for rainfall in coming week. Farmers are requested to postpone the irrigation. However, if the location fails to receive irrigate based on the crop need.
Rainfall	Ploughing	Farmers are requested to practice ploughing for Soil moisture conservation
	Harvest	Harvested products to be stored in air tighten room to preserve from fungus infection.
Paddy	Tillering to booting stage	Maintain appropriate water level to avoid crop lodging As rainfall is predicted for next five days, farmers are advised to avoid for spray. However, after receiving of rainfall, chance for Leaf streak infestation. Farmers are requested to Spray fresh cowdung water extract 20% or Copper hydroxide 77 WP@1.25 kg/ha is also recommended.
Cotton	Harvest	As rainfall is predicted, Farmers are requested to harvest immediately and stored in the air tight room to avoid fungal affect.
Cumbu		
Sugarcane	Cane	In rainy season, the disease spreads so fast that whole crop dries and not a single

	development stage	milleable cane is obtained. Removal of the affected clumps at an early stage and soil drenching with Carbendazim 50 WP (1 gm in 1 litre of water). To avoid lodging of cane, propping and Earthing-up operation may be practiced. Mulch the ridges uniformly with cane trash to a thickness of 10 cm to conserve the rain water.
Banana	Vegetative to bunch formation stage	To avoid lodging, propping and Earthing-up operation may be practiced
Coconut	All stages	Wind and rainfall may damage the crop; hence farmers are requested to provide staking so that winds may not uproot the young seedlings. Also, earthing up and raising of green manure can hold the rain water for crop stand.
Livestock	Disease Forecast of July month	Black quarter Livestock Disease Forecast - Affected animals May be treated with suitable antibiotics. Vaccination to be done in consultation with the veterinarians and as decided by state animal husbandry authorities. Strict biosecurity measures May be followed. Grazing area May be restricted. Carcass May be disposed hygienically. Bluetongue Livestock Disease – very low risk. Foot and mouth disease -medium risk -Regular vaccination and seromonitoring. Disinfection with sodium carbonate (4%) or 10% washing soda and strict biosecurity measures to be followed and animal movement May be controlled. Haemorrhagic septicaemia

SMS: Rain: 05-09.07-22,16,8,6&3. Postpone the irrigation. Ploughing may be practiced. Sugarcane-earthing up and propping. Cotton – harvest and proper storage.

Tamil Nadu		
Yesterday's cyclonic circulation over southwest Bay of Bengal & neighbourhood now lies over Westcentral Bay of Bengal adjoining north Andhra Pradesh coast and extends between 1.5 & 7.6 km above mean sea level tilting southwestwards with height. Yesterday's off-shore trough at mean sea level now runs from south Gujarat coast to Kerala coast. An east-westshear zone runs roughly along 15°N between 4.5 & 7.6 km above mean sea level. Light to moderate westerlies prevail over the subdivision in the lower tropospheric levels.		
Next five days	Weather warning	Light to moderate rain at a few places with thunderstorm & lightning at one or two places is likely to occur over Tamilnadu, Puducherry & Karaikal area on Day 1 (05.07.2023). Heavy to very heavy rain is likely to occur at one or two places over Nilgiris and Ghat areas of Coimbatore districts of Tamilnadu on Day 1 (05.07.2023). Heavy rain is likely to occur at one or two places over Tiruppur, Dindigul, Theni, Kanyakumari, Tirunelveli, Tenkasi, Erode, Salem, Dharmapuri & Krishnagiri districts of Tamilnadu on Day 1 (05.07.2023). Light to moderate rain at a few places with thunderstorm & lightning at one or two places is likely to occur over Tamilnadu, Puducherry & Karaikal area on Day 2 (06.07.2023). Heavy to very heavy rain is likely to occur at one or two places over Nilgiris, Ghat areas of Coimbatore & Tenkasi districts of Tamilnadu on Day 2 (06.07.2023). Heavy rain is likely to occur at one or two places over Tiruppur, Dindigul, Theni, Madurai, Virudhunagar, Kanyakumari & Tirunelveli districts of Tamilnadu on Day 2 (06.07.2023).

		<p>Light to moderate rain with thunderstorm &amp; lightning is likely to occur at one or two places is likely to occur at one or two places over Tamilnadu, Puducherry &amp; Karaikal area on Day 3 (07.07.23)</p> <p>Heavy rain is likely to occur at one or two places over Nilgiris, Coimbatore, Tiruppur, Dindigul &amp; Theni districts of Tamilnadu on Day 3 (07.07.23)</p> <p>Light to moderate rain is likely to occur at one or two places over Tamilnadu on Day 4 (08.07.23) &amp; Day 5 (09.07.23)</p>
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## Thoothukudi

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Chance for light rainfall in coming week. Farmers are requested to plan the irrigation, based on the crop need.
Rainfall	Ploughing	Farmers are requested to practice ploughing for Soil moisture conservation
	Harvest	Harvested products to be stored in air tighten room to preserve from fungus infection.
Paddy	Milking stage	As rainfall is predicted for next two days, farmers are advised to avoid for spray. However, after receiving of rainfall, chance for Grain discolouration infestation. Farmers are requested to spray Carbendazim + Thiram + Mancozeb (1:1:1) 0.2%. Maintain appropriate water level to avoid crop lodging
Paddy, Sorghum, Cotton	Harvest	As rainfall is predicted, Farmers are requested to harvest immediately and stored in the air tight room to avoid fungal affect.
Banana	Vegetative to bunch formation stage	To avoid lodging, propping and Earthing-up operation may be practiced
Coconut	Young seedlings	Wind and rainfall may damage the crop; hence farmers are requested to provide staking so that winds may not uproot the young seedlings. Also, earthing up and raising of green manure can hold the rain water for crop stand.
Livestock	Disease Forecast of July month	<p>Foot and mouth disease- Very low risk -Regular vaccination and sero monitoring. Disinfection with sodium carbonate (4%) or 10% washing soda and strict biosecurity measures to be followed and animal movement May be controlled.</p> <p>Haemorrhagic septicaemia – very low risk – Preventive Measures: Affected animals May be treated with suitable antibiotics. Vaccination to be done in consultation with the veterinarians and as decided by state animal husbandry authorities. Strict biosecurity measures May be followed. Carcass May be disposed hygienically and stress factors May be reduced by good animal husbandry practices.</p> <p>Peste des petits ruminants- very low risk</p>
Fisherman warning	Day 1(04.07.2023) to Day 5(08.07.2023)	<p>Squally wind with speed reaching 45-55 Kmph gusting to 65 Kmph is likely to prevail over Gulf of Mannar, South Tamilnadu coast and adjoining Comorin area.</p> <p>Fishermen are advised not to venture into the above sea area during the mentioned period</p>

SMS: Rain: 05&06.07-4&4 mm. Schedule the irrigation based on the local weather. Ploughing may be practiced. Banana- propping and Earthing-up. Cotton, sorghum- harvest. Coconut- provide staking to young seedlings

Tamil Nadu		
Yesterday's cyclonic circulation over southwest Bay of Bengal & neighbourhood now lies over Westcentral Bay of Bengal adjoining north Andhra Pradesh coast and extends between 1.5 & 7.6 km above mean sea level tilting southwestwards with height. Yesterday's off-shore trough at mean sea level now runs from south Gujarat coast to Kerala coast. An east-west shear zone runs roughly along 15°N between 4.5 & 7.6 km above mean sea level. Light to moderate westerlies prevail over the subdivision in the lower tropospheric levels.		
Next five days	Weather warning	<p>Light to moderate rain at a few places with thunderstorm &amp; lightning at one or two places is likely to occur over Tamilnadu, Puducherry &amp; Karaikal area on Day 1 (05.07.2023).</p> <p>Heavy to very heavy rain is likely to occur at one or two places over Nilgiris and Ghat areas of Coimbatore districts of Tamilnadu on Day 1 (05.07.2023).</p> <p>Heavy rain is likely to occur at one or two places over Tiruppur, Dindigul, Theni, Kanyakumari, Tirunelveli, Tenkasi, Erode, Salem, Dharmapuri &amp; Krishnagiri districts of Tamilnadu on Day 1 (05.07.2023).</p> <p>Light to moderate rain at a few places with thunderstorm &amp; lightning at one or two places is likely to occur over Tamilnadu, Puducherry &amp; Karaikal area on Day 2 (06.07.2023).</p> <p>Heavy to very heavy rain is likely to occur at one or two places over Nilgiris, Ghat areas of Coimbatore &amp; Tenkasi districts of Tamilnadu on Day 2 (06.07.2023).</p> <p>Heavy rain is likely to occur at one or two places over Tiruppur, Dindigul, Theni, Madurai, Virudhunagar, Kanyakumari &amp; Tirunelveli districts of Tamilnadu on Day 2 (06.07.2023).</p> <p>Light to moderate rain with thunderstorm &amp; lightning is likely to occur at one or two places is likely to occur at one or two places over Tamilnadu, Puducherry &amp; Karaikal area on Day 3 (07.07.23)</p> <p>Heavy rain is likely to occur at one or two places over Nilgiris, Coimbatore, Tiruppur, Dindigul &amp; Theni districts of Tamilnadu on Day 3 (07.07.23)</p> <p>Light to moderate rain is likely to occur at one or two places over Tamilnadu on Day 4 (08.07.23) &amp; Day 5 (09.07.23)</p>

## Kanyakumari

### AGRO ADVISORIES.

S. N.	CROP	STAGES	ADVISORIES
			There are possibilities of moderate rainfall during the forthcoming five days. Maximum temperature will range from 25 - 28°C and minimum temperature will range from 20 - 22 °C. Partly cloudy condition may prevail. The morning relative humidity will range from 80 – 90 % and it may range from 60 – 70 % during afternoon. Wind speed may be 12 – 16 km / hr in West direction.

1.	Agricultural and Horticultural crops	All stages	Avoid application of fertilizer, insecticide and weedicide due to heavy rain and high wind speed.
2.	Pepper	All stages	Pepper rooted cuttings can be planted if there is sufficient soil moisture.
3.	Horticultural crops.	Planting stage.	As 12 - 16 km/hr wind speed is anticipated, it is advised to provide staking to newly planted horticultural plants.
4.	Rubber	Tapping Stage	Fix a polythene rain guard to the trunk of the tree above the tapping panel so that tapping can be done during rainy season also.
5.	Tapioca	All stages	Drainage facilities have to be provided to prevent water logging as it invites pathogens.

#### 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 agro advisory

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Salem:		
Crops	Vegetative stage	Drizzling is expected to occur in the forthcoming days. Spraying can be done during rain-free conditions. Add wetting agent while spraying chemicals. Care should be taken to apply the same during early mornings and evenings at the time of low sunlight. Irrigate the crop as per requirement and use mulching to reduce evaporation, enhance water holding capacity and soil health
		The prevailing high temperature and prolonged leaf wetness may cause the spread of fungal diseases like budrot in coconut, inflorescence rot in areca nut, panama wilt in banana, wilt in black pepper, die back disease in cashew and rhizome rot in ginger and turmeric.
		Irrigate the crop as per requirement and use mulching to reduce evaporation, enhance water holding capacity and soil health
		Weather is unfavourable for drying harvested products (like rice, rubber, copra, pulses, vegetable seeds, etc) directly under sun. Adhesive /sticking agents should be used to prevent runoff of pesticide, fungicide etc
		Give popping to all soft slender stemmed crops like banana, vegetables, climbers etc. Clean the drainage channels in crop lowlands to enable proper drainage of excess water in case of exigencies if any.
Livestock	General	Do not shelter the cattle in shelters having weak structures.
Tree planting	General	Tree crop's seedlings can be planted during these days. Ensure proper distance between the plants. The 2/3 portions of the pits should be filled with the mixture of topsoil and powdered dry cowdung/compost. Care should be taken to keep

		the graft/bud unions above the ground while planting grafted/budded planting materials of tree crops. Apply first dose of fertilizers to the tree crops. Adopt integrated nutrient management system.
Pulses	Sowing	Farmers who wish to take up rain fed pulses are advised to take up sowing based on soil moisture. Soak the seed for 10-12 hours, shade dry and then take up sowing
Rice-transplanting-		Thorough puddling and levelling of fields before transplanting are recommended. Block crab holes on the bunds to prevent loss of water and nutrients from the fields. Dip the roots of the seedlings in Pseudomonas solutions (250g/750ml of water) for 20 minutes before planting the seedlings in main fields. This will help the plants for better root proliferation and to resist fungal diseases. While transplanting apply the basal fertilizer as per recommendation. Apply N and K in four equal splits at 21 days after sowing, active tillering, panicle initiation and heading stages. Entire P applied as basal applied in the last plough or at the time of incorporation of green manure / compost.
Sugarcane :	Vegetative stage	Due to the past dry weather condition, Mealy bug incidence in sugarcane has increased. To manage soil application of 5 tonnes of FYM/organic manure + neem cake per acre along with spraying of dimethoate 30EC at 1ml per litre of water using battery operated or hand sprayer.
Pepper	Vegetative stage	As prophylactic measure for pepper wilt, apply 150gram of Trichoderma/ bacillus enriched neem cake - cow dung mixture in the basins of the vines and incorporate thoroughly with the soil. If disease already appeared, Spray Redomil 0.2% (2g/litre of water) on the leaves and stem
Tapioca	Vegetative stage	Due to the past dry weather condition, there are chances for increase in red spider mite damage in Tapioca. To manage red spider mite, remove the weeds that acts as alternate source for mites and keep the field weed free and spray Omite 57 ec at 2 ml per litre of water using battery operated or hand sprayer.

## Namakkal

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

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	<p><b>Oxalate poisoning in livestock</b></p> <p>Oxalates are found in paddy straw and green fodders such as bajra-napier grass, super napier, bajra, kolukatai, guinea grass and millets. In general, young plants contain more oxalate than older plants. The oxalate content is highest in leaf tissue, followed by stem tissue particularly in dwarf varieties. Besides, the oxalate levels decline as the harvest interval increases. Among different harvest seasons, oxalate accumulation was more during summer and monsoon seasons. Presence of more than 2.0% soluble oxalate in feeds may lead to oxalate poisoning in ruminants whereas more than 0.5% soluble oxalate may be toxic to monogastric animals such as horses, rabbits etc. When the animals consume more oxalates for longer period, it may lead to calcium deficiency and formation of urinary calculi. Hence, the farmers are advised to avoid application of excess urea and farm yard</p>



		manure to the forage crops during this cloudy monsoon season. The leaves should not be dark green in colour. Besides, the application of potash should be kept to minimum. The cultivated fodders like bajra-napier and super napier grasses should be harvested at 45 days interval and feeding of young growing grass may be avoided.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Castor	Vegetative stage	Farmers are advised to spray Imidacloprid pesticide @ 1.5 ml / litre of water to control sucking pest in castor crop during vaigasi pattam.
Groundnut	Vegetative stage	Farmers are advised to do earthing up operation along with gypsum application @ 160 kg / acre to develop peg formation and easy penetration. Also foliar spray of Groundnut rich @ 2 kg / 200 litre of water to get more pods and yield.
Coconut	Growing stage	Bud rot management in coconut Due to changing climate bud rot infestation was noticed in coconut young seedlings. To control this disease soil drenching of copper oxy chloride @ 5 gram / liter of water for the plants may be undertaken.
Tapioca	Vegetative stage	Due to change in climate, red spider mite incidence was reported in Tapioca crop. To control this foliar spraying of chemical pesticide Propargite @ 1 ½ ml / litre of water along with adjuvant 1 ml / litre of water may be undertaken.
Banana	Vegetative stage	Banana growers are advised to follow propping to bearing plants with the help of bamboo pole / casuarina pole to avoid falling down due to increase of wind speed.

## Dharmapuri

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

Crop	Advisory
Chillies	Chillies trips The infested leaves develop crinkles and curl upwards, Elongated petiole, Buds become brittle and drop down, Early stage, infestation leads to stunted growth and flower production, fruit set are arrested for control measures Inter crop with agathi ( <i>Sesbania grandiflora</i> ) to provide shade which regulate the thrips population, Do not grow chilli after sorghum, Do not follow chilli and onion mixed crop, Sprinkle water over the seedlings to check the multiplication of thrips Fipronil 5 % SC @1.5 ml/lit or Spinosad 45 % SC @ 3.2 ml/10 lit.. Apply or Spray any one of the following insecticide
Sugarcane	Sugarcane Internode Bore Caterpillars attack sugarcane plants after 3 months of planting. Internodes constricted and shortened, with a number of boreholes, Boreholes are plugged with fresh excreta in the nodal region. Frass materials are present on the affected portion.vontrol measures Apply Coragen - Chlorantraniliprole 18.5 % w/w @60 ml/ac
Tomato	Tomato late blight Water-soaked black lesions on leaves and stems, Lesions expand rapidly and the entire leaf becomes necrotic. White sporulation (sporangia and sporangiophores) on leaves.control measures Copper oxychloride 2.5g/lit or carbendazim 2g/lit or apply Trichoderma viride with enriched FYM
Cattle	Mastitis in high yielding cows: Mastitis in a very common problem in high yielding cows caused mainly by bacterias in unhygienic farm conditions. Ethnoveterinary



	<p>medicine for Mastitis: 1. Aloe vera -250g. 2. Turmeric- 50g. (rhizome (or) powder. 3. Calcium hydroxide. (Lime-15g). Preparation: 1. Blend ingredients to form a reddish paste. Application: 1. Make a handful of paste by adding 150-200ml of water. 2. Wash and clean the udder and apply the mixture throughout. 3. Repeat the application 10 times a day for 5 days. 4. Feed 2 lemons twice daily for 3 days.</p>
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## Krishnagiri

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

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	<p>Oxalate poisoning in livestock</p> <p>Oxalates are found in paddy straw and green fodders such as bajra-napier grass, super napier, bajra, kolukatai, guinea grass and millets. In general, young plants contain more oxalate than older plants. The oxalate content is highest in leaf tissue, followed by stem tissue particularly in dwarf varieties. Besides, the oxalate levels decline as the harvest interval increases. Among different harvest seasons, oxalate accumulation was more during summer and monsoon seasons. Presence of more than 2.0% soluble oxalate in feeds may lead to oxalate poisoning in ruminants whereas more than 0.5% soluble oxalate may be toxic to monogastric animals such as horses, rabbits etc. When the animals consume more oxalates for longer period, it may lead to calcium deficiency and formation of urinary calculi. Hence, the farmers are advised to avoid application of excess urea and farm yard manure to the forage crops during this cloudy monsoon season. The leaves should not be dark green in colour. Besides, the application of potash should be kept to minimum. The cultivated fodders like bajra-napier and super napier grasses should be harvested at 45 days interval and feeding of young growing grass may be avoided.</p>
Agro advisory from Krishi Vigyan Kendra		
Castor	Vegetative stage	Farmers are advised to spray Imidacloprid pesticide @ 1.5 ml / litre of water to control sucking pest in castor crop during vaigasi pattam.
Groundnut	Vegetative stage	Farmers are advised to do earthing up operation along with gypsum application @ 160 kg / acre to develop peg formation and easy penetration. Also foliar spray of Groundnut rich @ 2 kg / 200 litre of water to get more pods and yield.
Coconut	Growing stage	<p>Bud rot management in coconut</p> <p>Due to changing climate bud rot infestation was noticed in coconut young seedlings. To control this disease soil drenching of copper oxy chloride @ 5 gram / liter of water for the plants may be undertaken.</p>
Tapioca	Vegetative stage	Due to change in climate, red spider mite incidence was reported in Tapioca crop. To control this foliar spraying of chemical pesticide Propargite @ 1 ½ ml / litre of water along with adjuvant 1 ml / litre of water may be undertaken.
Banana	Vegetative stage	Banana growers are advised to follow propping to bearing plants with the help of bamboo pole / casuarina pole to avoid falling down due to increase of wind speed.

## Karaikal

### Agro Advisory

Crop/livestock	Stage/Particulars	Agro Advisory
Rice	Nursery Transplanted Wet sowing rice	To manage weeds in nursery, apply Bispyripac sodium 10 % SC @ 1 ml/cent. To manage weeds in transplanted rice, apply Pretilachlor 50 EC 800 ml/ac or Pyrazosulfuron ethyl 10 WP @ 80 g/ac on 0-3 DAT.  To manage weeds in direct wet sowing rice, apply Triafamone +(Ethoxysulfuron) 90 g/ac on 12-15 DAS.
Cotton	Vegetative and flowering stage	The incidence of mealy bug is noticed in cotton. To manage mealy bug, fish oil rosin soap @ 25 g/litre of water or Neem oil 2 % or NSKE 5% or Buprofezin 25 SC @ 2ml/l or Profenophos 50 EC @ 2 ml /litre may be used.  In few pockets of Karaikal region, wilt is noticed. To control the wilt, wet the root zone of the affected plants as well as the surrounding healthy plants in circle with either Carbendazim @1 g/lit or Trifloxystrobin+Tebuconazole @ 0.75 g/litre.
Coconut	Spiraling whitefly	Prevailing weather is favourable for spiralling whitefly in coconut. Hence, if the whitefly incidence is seen, spray water forcibly and set up yellow sticky trap @ 8 numbers /ac. In severe cases, spray neem oil 0.5 %+ tween 80 (0.005%).

SMS: Postpone irrigation as light to moderate rain is expected for next five days.

## Puducherry

### Weather based Agro-Advisories:

Crop	Stage/ Particulars	Agro Advisory
All Crops	All stage	Maintain proper drainage in the field to avoid water logging in fields.
Rice	Tillering stage	Prevailing weather condition is favorable for bacterial leaf blight infection in rice crop. White colour streaks appear in leaf and it turns brown in colour and dry. To control spray copper hydroxychloride @ 300 g/ac.
Coconut	Reproductive Stage	To Control Rhinoceros beetle in coconut, Set up Rhino lure pheromone trap @ 5 traps/ha to trap and kill the beetles. Soak castor cake at 1 kg in 5 liter of water in small mud pots and keep them in the coconut gardens to attract and kill the adults. Apply mixture of neem seed powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown.
Brinjal	Reproductive Stage	To manage Brinjal shoot borer, apply neem cake 200 kg/ha or spray Emamectin Benzoate 4% SG@ 0.4g/l.

Cow	Monitor livestock closely during continuous rainfall for signs of illness or stress. Wet and muddy conditions can increase the risk of respiratory infections, hoof problems, and skin issues. Maintain proper hygiene, provide clean drinking water, and consider appropriate vaccinations and treatments to prevent diseases associated with damp conditions.
Goat	Farmers are advised to apply Butox solution (2 ml in 1 litre water) externally to remove ecto-parasites in sheep and goats

SMS:

To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely.

## Puducherry Block level

### Ariankuppam, Ozhukarai, Villianur, Bahour, Mannadipet and Nettapakkam Blocks

Light rain to Moderate rain with thunderstorm & lightning is likely to occur in one or two places from 05.07.2023 and 09.07.2023. To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely.

Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	To Control Rhinoceros beetle in coconut, Set up Rhino lure pheromone trap @ 5 traps/ha to trap and kill the beetles. Soak castor cake at 1 kg in 5 liter of water in small mud pots and keep them in the coconut gardens to attract and kill the adults. Apply mixture of neem seed powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown.
BRINJAL	To manage Brinjal shoot borer, apply neem cake 200 kg/ha or spray Emamectin Benzoate 4% SG@ 0.4g/l.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Monitor livestock closely during continuous rainfall for signs of illness or stress. Wet and muddy conditions can increase the risk of respiratory infections, hoof problems, and skin issues. Maintain proper hygiene, provide clean drinking water, and consider appropriate vaccinations and treatments to prevent diseases associated with damp conditions.
GOAT	Farmers are advised to apply Butox solution (2 ml in 1 litre water) externally to remove ecto-parasites in sheep and goats

