



तमिलनाडु के लिए राज्य स्तरीय समग्र कृषि-मौसम परामर्श
बुलेटिन

**State Composite Agro-meteorological Advisory
Bulletin for Tamil Nadu and Puducherry
Bulletin No. 081/2023**

For the period 0830 IST, 10th October 2023 to
0830 IST, 15th October 2023

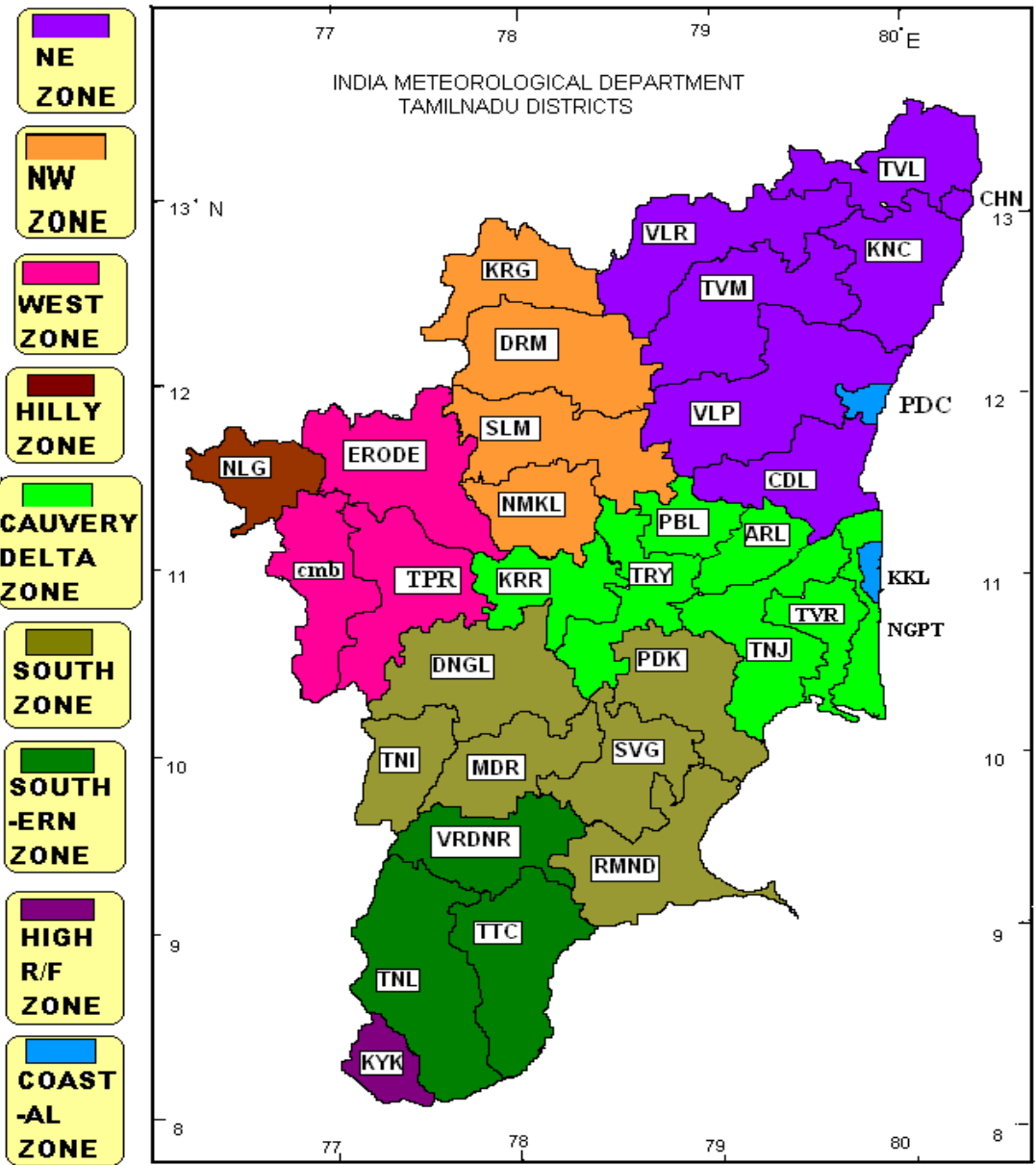
Issued on Tuesday, 10th October 2023

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 06.10.23 to 09.10.23 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range **30°C – 38°C** prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range **19°C – 23°C** during the period.

Minimum temperature of range **21°C - 29°C** prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range **08°C - 12°C** during the same period.

Spatial distribution of Rainfall

Spatial distribution of Rainfall	Tamil Nadu	Puducherry
Widespread (Most places)	--	--
Fairly widespread (Many places)	--	--
Scattered (Few Places)	--	--
Isolated (One or Two Places)	06.10.23, 07.10.23, 08.10.23 & 09.10.23	--
Dry	--	06.10.23, 07.10.23, 08.10.23 & 09.10.23

Chief Amounts of Rainfall (in cms):-

06.10.23 : Taluk Office, Chengam (dist Tiruvannamalai) 10, RSCL-3 Vallam (dist Villupuram), Kattapakkam KVK (dist Kanchipuram) 6 each, Puthan Dam (dist Kanyakumari), Perunchani (dist Kanyakumari) 5 each, RSCL-3 Avalurpettai (dist Villupuram), Tirumangalam (dist Madurai), Poondi (dist Tiruvallur), Chengalpattu (dist Chengalpattu), Walajabad (dist Kanchipuram) 4 each, Gingee (dist Villupuram), Maniyachi (dist Thoothukudi), Cholavaram (dist Tiruvallur), Chetpet (dist Tiruvannamalai), Kilpennathur (dist Tiruvannamalai), Tirur KVK (AGRO) (dist Tiruvallur) 3 each, Balamore (dist Kanyakumari), Viluppuram (dist Villupuram), PWD Natrampalli (dist Tirupattur), Redhills (dist Tiruvallur), Madurai Airport (dist Madurai), BDO Shoolagiri` (dist Krishnagiri), Chinnar Dam (dist Krishnagiri), Suralacode (dist Kanyakumari), RSCL-2 Kedar (dist Villupuram), Madurai North (dist Madurai), RSCL-2 Koliyanur (dist Villupuram), Madurai City (dist Madurai) 2 each, Viraganur (dist Madurai), Thiruppuvanam (dist Sivaganga), Polur (dist Tiruvannamalai), BASL Manampoondi (dist Villupuram), Kathivakkam (dist Chennai), Virinjipuram KVK (dist Vellore), Elumalai (dist Madurai), RSCL-2 Nemoor (dist Villupuram), Thandrampattu (dist Tiruvannamalai), Thirupathisaram AWS (dist Kanyakumari), Ottapadiram (dist Thoothukudi), RSCL-2 Valavanur (dist Villupuram), Colachel (dist Kanyakumari), Kurunthancode (dist Kanyakumari), Mudukulathur (dist Ramanathapuram), Wallajah (dist Ranipet), Jambukuttapatti (dist Krishnagiri), Kannimar (dist Kanyakumari), Taluk Office, Kundrathur (dist

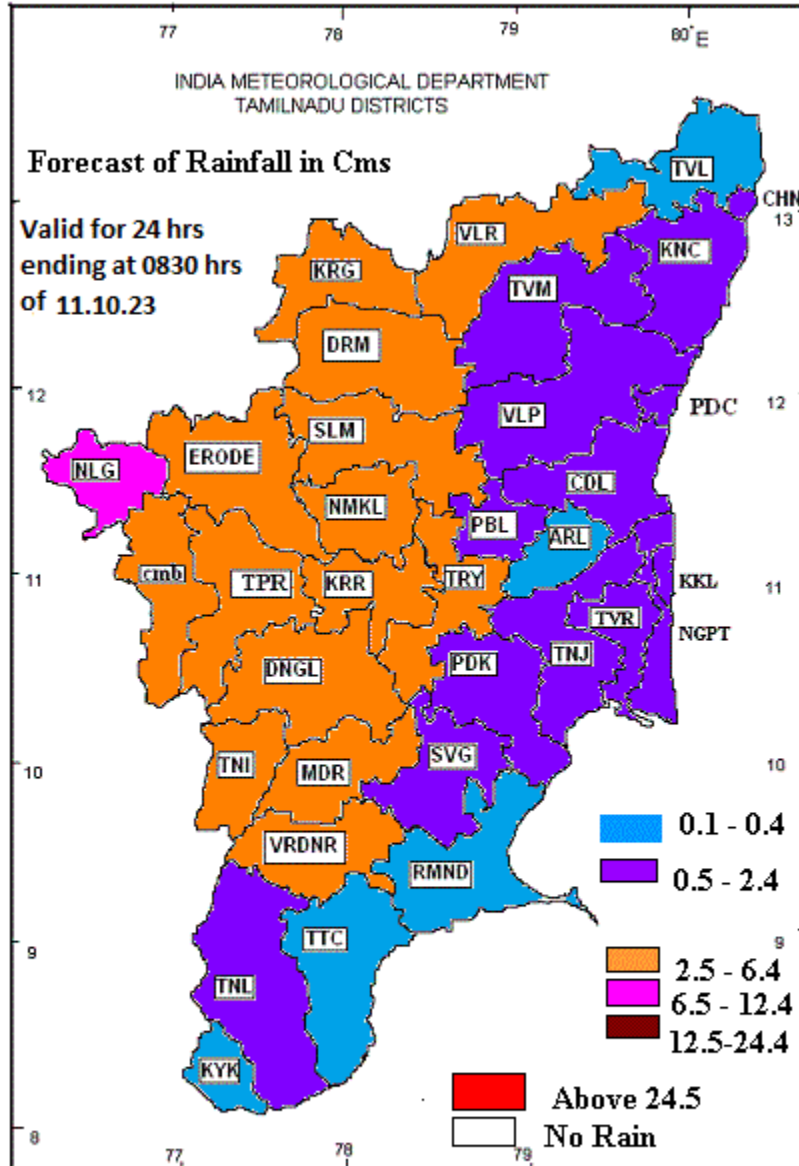
Kanchipuram), Arakkonam (dist Ranipet), West Tambaram ARG (dist Chengalpattu), Taluk Office Uthangarai (dist Krishnagiri), KCS Mill-1 Moongilthuraipattu (dist Kallakurichi) 1 each.

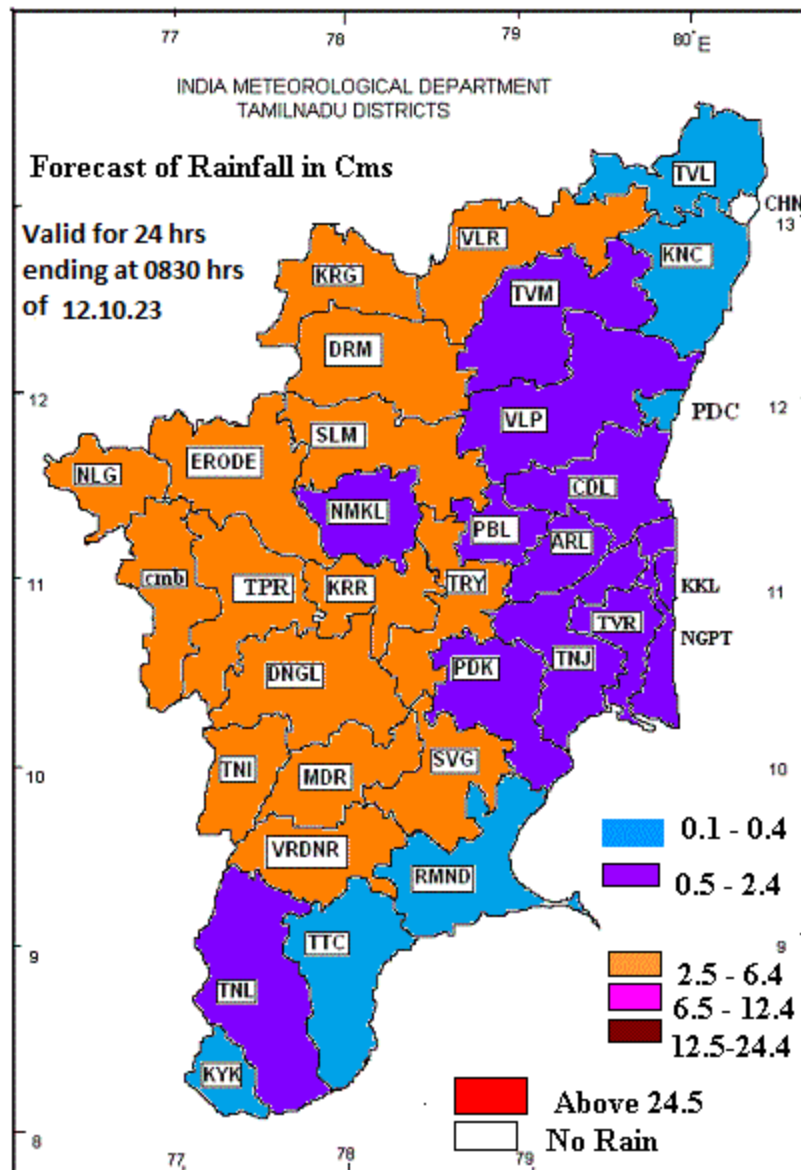
07.10.23 : Teynampet (dist Chennai), Kodambakkam (dist Chennai), Perungudi (dist Chennai) 4 each, Namakkal (dist Namakkal) 3, Namakkal Collectorate (dist Namakkal), Zone 12 Alandhur (dist Chennai), Denkanikottai (dist Krishnagiri), MGR Nagar (dist Chennai) 2 each Chennai Nungambakkam (dist Chennai), Tambaram (dist Chengalpattu), Marandahalli (dist Dharmapuri), Anna University (dist Chennai), Adyar (dist Chennai) 1 each

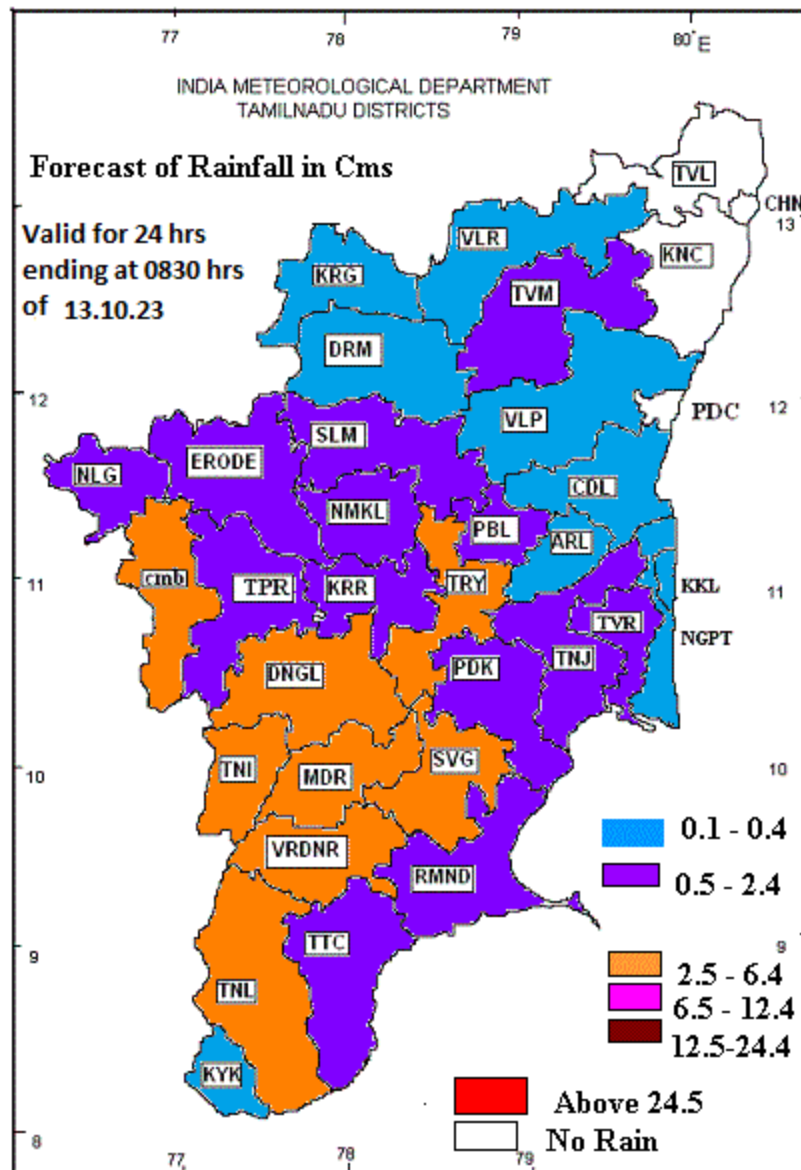
08.10.23 : Elumalai (dist Madurai) 10, Paramakudi (dist Ramanathapuram) 6, Tobacco Station (dist Dindigul), Vedasandur (dist Dindigul), Shoolagiri (dist Krishnagiri), Chinnar Dam (dist Krishnagiri), Peraiyur (dist Madurai), Wallajah (dist Ranipet), Ammundi (dist Vellore) 5 each, Alandhur (dist Chennai), Denkanikottai (dist Krishnagiri), Kudimiyamalai (dist Pudukkottai), Ponnamaravathi (dist Pudukkottai), Ammoor (Walajah Railway (dist Ranipet) 4 each, Ambattur (dist Chennai), Valasaravakkam (dist Chennai), Dharmapuri (dist Dharmapuri), V.Kalathur (dist Perambalur), Avadi (dist Tiruvallur), Virudhunagar (dist Virudhunagar), Watrap (dist Virudhunagar), Virudunagar AWS (dist Virudhunagar) 3 each, Valasaravakkam (dist Chennai), Maduravoyal (dist Chennai), Adyar (dist Chennai), Vepur (dist Cuddalore), Sriperumbudur (dist Kancheepuram), Kundrathur (dist Kancheepuram), Aravakurichi (dist Karur), Kelavarapalli Dam (dist Krishnagiri), Kallandri (dist Madurai), Kallikudi (dist Madurai), Tirumayam (dist Pudukkottai), Sivaganga (dist Sivagangai), Andipatti (dist Theni), Cholavaram (dist Tiruvallur), Koratur (dist Tiruvallur) 2 each, Ambathur (dist Chennai), Vanagaram (dist Chennai), Kodambakkam (dist Chennai), Perungudi (dist Chennai), Taramani ARG (dist Chennai), Virdhachalam KVK AWS (dist Cuddalore), Sankarapuram (dist Kallakurichi), Chembarabakkam (dist Kancheepuram), Chembarambakkam ARG (dist Kancheepuram), Thali (dist Krishnagiri), Kamudhi (dist Ramanathapuram), Ranipet (dist Ranipet), Mettur (dist Salem), Singampunari (dist Sivagangai), Tirupathur (dist Sivagangai), Vaigai Dam (dist Theni) 1 each.

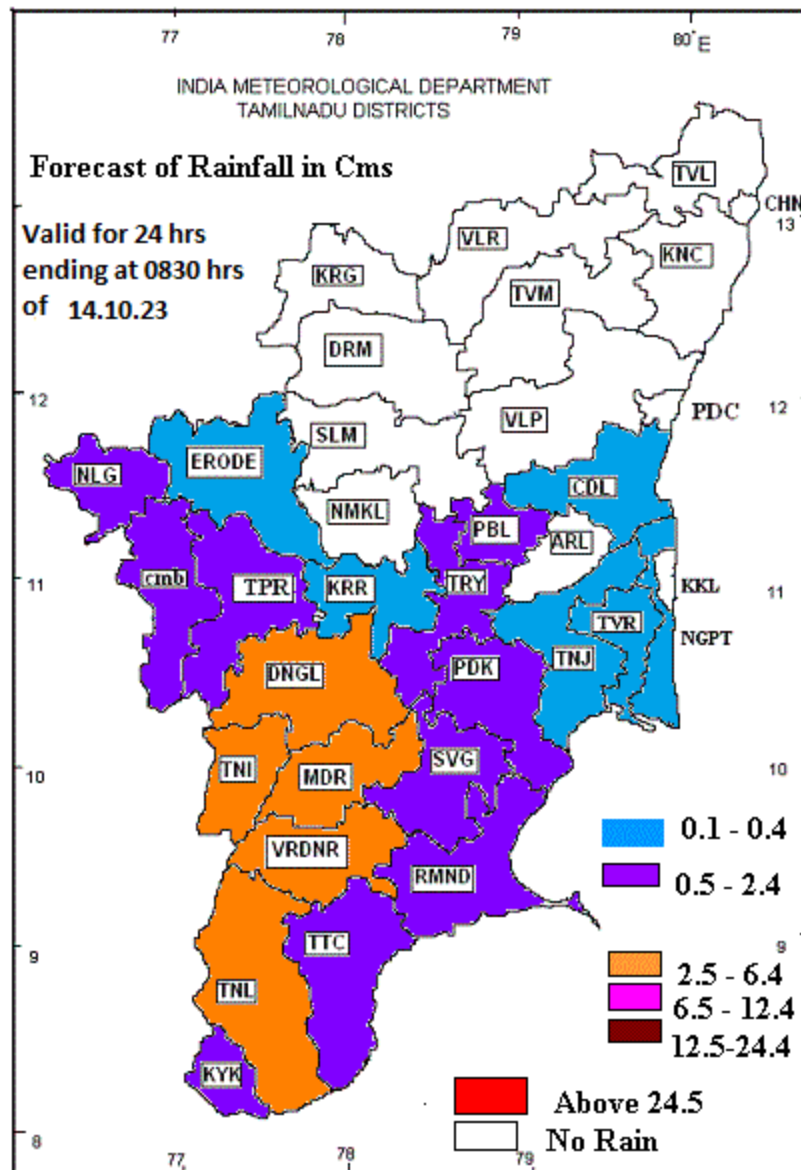
09.10.23 : Valparai PAP (dist Coimbatore), Valparai Taluk Office (dist Coimbatore) 6 each, Kodaikanal (dist Dindigul), Kodaikannal Boat Club (dist Dindigul) 5 each, Alakarai Estate (dist The Nilgiris), Chinnakalar (dist Coimbatore), Coonoor (dist The Nilgiris) 4 each, Kunderipallam (dist Erode), Budalur (dist Thanjavur), Yercaud (dist Salem), Kundha Bridge (dist The Nilgiris), Amaravathy Dam (dist Tiruppur), Thekkadi (dist Theni), Kothavacherry (dist Cuddalore), Chamraj Estate (dist The Nilgiris) 3 each, Sivagiri (dist Tenkasi), Valparai PTO (dist Coimbatore), Periyanaickenpalayam (dist Coimbatore), Krishnagiri (dist Krishnagiri), Cincona (dist Coimbatore), Keeranur (dist Pudukkottai), Shanthi Vijaya School (dist The Nilgiris) 2 each, Pillur Dam Mettupalayam (dist Coimbatore), Chengam (dist Tiruvannamalai), Kothagiri (dist The Nilgiris), Mettupalayam (dist Coimbatore), Ketti (dist The Nilgiris), Attur (dist Salem), Annur (dist Coimbatore), Burliar (dist The Nilgiris), Kodivery (dist Erode), Kallandri (dist Madurai), Palacode (dist Dharmapuri), Emerald (dist The Nilgiris), Geddai (dist The Nilgiris), Kinnakorai (dist The Nilgiris), Gangavalli (dist Salem), Adar Estate (dist The Nilgiris), Sholayar (dist Coimbatore), Uthagamandalam (dist The Nilgiris), Odanchatram (dist Dindigul), Perambalur (dist Perambalur), Periyar (dist Theni) 1 each.

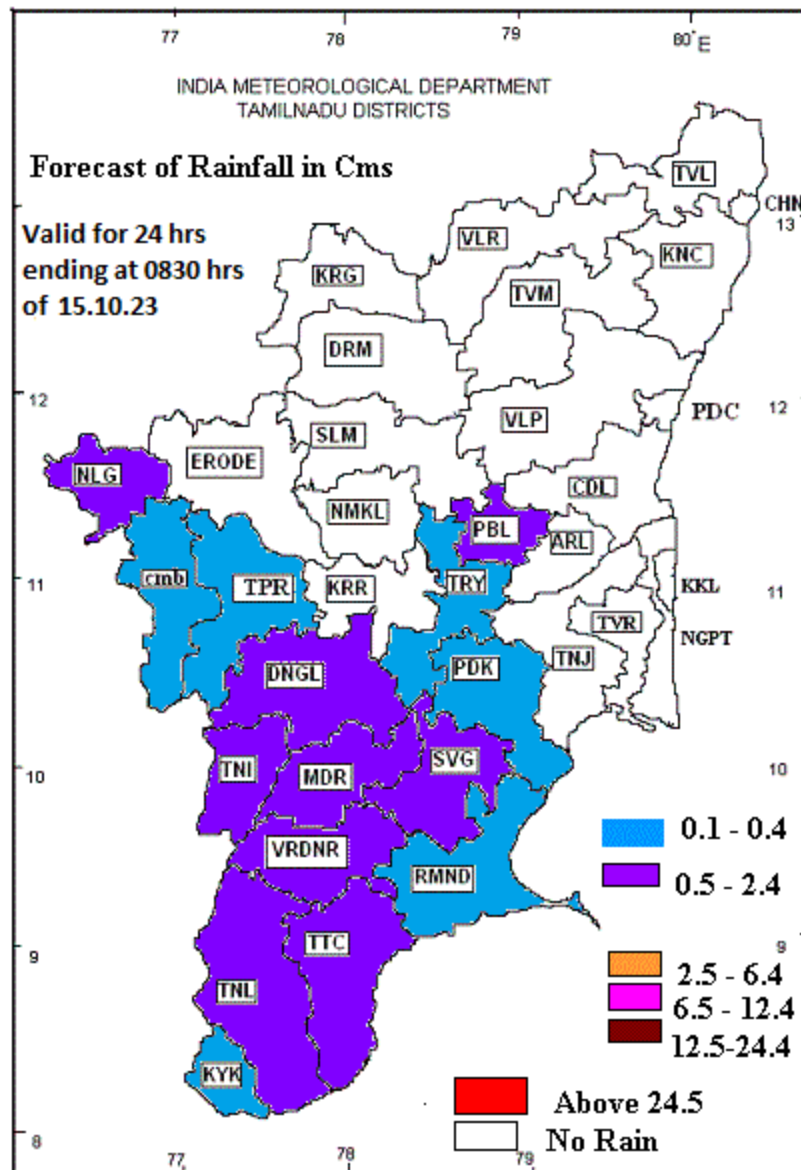
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 10.10.23
VALID FOR THE NEXT 5 DAYS**











District-wise Agromet Advisories

Chennai

SMS Advisory:

(11.10.2023-12.10.2023) Heavy rain is likely to occur at isolated places over Krishnagiri, Tirupattur and Vellore districts of Tamilnadu. Livestock Advisory

- 1.The floors in the livestock shelter must be cleaned and maintained damp free to prevent water logging, Moreover the floors must be sprinkled with bleaching powder to maintain biosecurity in farm.
- 2.The floor of nursery piglet shed must be cleaned with luke warm saline or with any other commercial disinfectant to prevent E.coli infection, which in adverse cases of infection leads to diarrhoea and mortality.
- 3.The sheep and goat must be vaccinated against Enterotoxaemia infection.
- 4.To prevent mosquitoes menace the livestock shed may be fumigated with Vitex Negundo dried leaves once in a week
- 5.The newly kidded doe must be vaccinated with TT (Tetanus Toxide)
- 6.Sporadic incidence of Blue Tongue infection may occur in small ruminants. Hence stringent measures must be taken to control fly vector, (Culicoides).
- 7.Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating.
- 8.The stagnated water around the poultry farms must be cleared immediately, to avoid the development of intermediate host of poultry cestode which tends to develop in stagnated water.

Kancheepuram

SMS Advisory:

(11.10.2023-12.10.2023) Heavy rain is likely to occur at isolated places over Krishnagiri, Tirupattur and Vellore districts of Tamilnadu. Livestock Advisory

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- 7.Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating.
- 8.The stagnated water around the poultry farms must be cleared immediately, to avoid the development of intermediate host of poultry cestode which tends to develop in stagnated water.

Agricultural advisory

Rice:

The forecasted weather may cause Thirps infestation in nursery field. For management farmers may spray Phosphamidon 40 SL 50 ml.

The forecasted weather is conducive for Sheath Blight infestation in paddy. For management farmers may spray Neem oil @ 3% at start stage of the disease.

Brinjal:

There are possibilities of sucking pest Mite infestation in Brinjal. Farmers may take necessary plant protection measures with the advice of Horticulture officer.

Villupuram

SMS Advisory:

(11.10.2023-12.10.2023) Heavy rain is likely to occur at isolated places over Krishnagiri, Tirupattur and Vellore districts of Tamilnadu. Livestock Advisory

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2.The floor of nursery piglet shed must be cleaned with luke warm saline or with any other commercial disinfectant to prevent E.coli infection, which in adverse cases of infection leads to diarrhoea and mortality.

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7.Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating.

8.The stagnated water around the poultry farms must be cleared immediately, to avoid the development of intermediate host of poultry cestode which tends to develop in stagnated water.

Agricultural advisory

Rice:

Apply 100 kg of neem cake before transplanting to avoid insect and nematode attack favourable under this prevailing weather condition Alage in paddy field reduces the growth of crops. To control apply, 2.0 kg of copper sulphate mix with sand. Due to prevailing weather condition possible for thrips infestation in paddy crop. To manage them, spray thiamethoxam 8.0g/ for 20 cent of nursery field. In transplanted field spray Azadiractin 400 ml/acre or thiamethoxam 40 g/ac.

Maize:

Maize growing farmers the fall army worm infection apply neem cake @ 250 kg/ha (farmer contribution) Seed treatment with cyantraniliprole 19.8% + thiamethoxam 19.8 FS @ 4.0 ml/kg seed Border cropping with gingelly or cowpea or sorghum

Installation of pheromone traps @ 12 nos./ha

Spraying of chlorantraniliprole 18.5 SC @ 0.4 ml/l (or) flubendiamide 20 WG (0.5 g/l) at 15-20 days of emergence (DAE)

Application of ememectin benzoate 5 SG (0.4 g/l) or spinetoram 11.7 SC (0.5 ml/l) at 35-40 DAE at late whorl stage and 60 DAE.

Coconut:

Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. Encourage build up of parasitoids (*Encarsia* sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. In sever case, spray neem oil 10 ml/lit of water or spray azadirachtin 2.0 ml/lit of water with 1.0 ml of sticking agent.

Tiruvannamalai

SMS Advisory:

(11.10.2023-12.10.2023) Heavy rain is likely to occur at isolated places over Krishnagiri, Tirupattur and Vellore districts of Tamilnadu. Livestock Advisory

- 1.The floors in the livestock shelter must be cleaned and maintained damp free to prevent water logging, Moreover the floors must be sprinkled with bleaching powder to maintain biosecurity in farm.
- 2.The floor of nursery piglet shed must be cleaned with luke warm saline or with any other commercial disinfectant to prevent E.coli infection, which in adverse cases of infection leads to diarrhoea and mortality.
- 3.The sheep and goat must be vaccinated against Enterotoxaemia infection.
- 4.To prevent mosquitoes menace the livestock shed may be fumigated with Vitex Negundo dried leaves once in a week
- 5.The newly kidded doe must be vaccinated with TT (Tetanus Toxide)
- 6.Sporadic incidence of Blue Tongue infection may occur in small ruminants. Hence stringent measures must be taken to control fly vector, (Culicoides).
- 7.Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating.
- 8.The stagnated water around the poultry farms must be cleared immediately, to avoid the development of intermediate host of poultry cestode which tends to develop in stagnated water.

Agricultural advisory

Rice:

Harvest the matured paddy crops and store in safe places.

Provide drainage facility to the nursery field and avoid fertilizer application, any kind of spray

Groundnut:

Harvest the matured groundnut crops and store in safe places.

Coconut:

To control rhinoceros beetle in rainy season , setup Rhino lure pheromone trap @ 2 traps/acre.

Banana:

Propping and cleaning of dried and bending leaves to ensure the proper aeration and staking for 5 month old banana trees.

Papaya:

Cleaning of papaya field and provide drainage facility.

Tiruvallur

From extended range forecast Normal rainfall, Normal minimum temperature and maximum temperature expected for the period of 15.10.2023 to 21.10.2023 over Tamil Nadu. Very light to light rainfall may be expected on 11th, 12th October so farmers are advised to spray insecticides or fungicides with sticking agent.

Crop(Varieties)	Crop Specific Advisory
RICE	Due to prevailing weather conditions may be affected by following pest and disease in paddy fields; 1. Stem bore- Spray Azadirachtin 0.03% 400 ml (Or) Flubendiamide 20% WG 50g per acre in 200 litres of water; 2.Leaf folder- Spray Acephate 75 % SP 400 ml (Or) Spray Azadirachtin 0.03% 400ml per acre in 200 litres of water.

BLACK GRAM	Due to prevailing weather conditions, there is a possibility of Powdery mildew disease in the gram crop, so spray carbendazim 200 g per acre or wettable sulfur powder 800 g mixed with 200 liters of water. Repeat spraying at 15 days interval depending on the symptom and effect of the disease.
Horticulture(Varieties)	Horticulture Specific Advisory
BRINJAL	Due to prevailing weather conditions may be affected Little Leaf disease in brinjal fields in order to control, remove the affected plants in the early stages and spray dimethoate 30 EC @ 1 ml/l to control the vector.
BITTER GOURD	Due to prevailing weather conditions may be chance to Fruit fly infestation occurrence in bitter gourd fields to control Mix methyl eugenol + malathion 50 EC at 1:1 ratio and keep 10 ml of the bait in Polythene bags@ 10 / acre.
MANGO	Mango Tree- Fruit fly- Prepare bait with methyl eugenol 1% solution mixed with malathion @ 2.0 ml/l. Take 10 ml of this mixture per trap.

Vellore

As per the IMD extended range forecast (ERF), normal rainfall and temperature is likely over Tamil Nadu and Puducherry during 15th to 21th October, 2023. To ensure the drainage facilities for avoiding root diseases in rainy season and staking for standing vegetable crops. Harvest the matured crops and store in safe places. Very light to moderate rainfall may be expected on forthcoming days. Hence, farmers are advised to provide adequate drainage for crops.

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Secure the livestock in elevated area against flood. Protect the house against oozing of water from roof.
GOAT	Deworming to be done for sheep and goat.
Poultry(Varieties)	Poultry Specific Advisory
HEN	Prepare drainage facility around poultry shed. Secure the shed against leakage water at roof and maintain deep litter as dry (if moisture, mix with lime powder).
Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory
LAND PREPARATION	After harvesting of the groundnut field, soil application of Trichoderma viride 1kg /ac mixed with 50 kg FYM during last or first ploughing to rectify/control soil born pathogen.

Cuddalore

General Advisory:

From extended range forecast normal rainfall, Normal maximum temperature and minimum temperature expected for the period of 15.10.2023 to 21.10.2023 over Tamil Nadu.

SMS Advisory:

Light rainfall will be expected in the forthcoming days, so while going for chemical spray add sticky agent.

Rice

Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray carbosulfan 400 ml/ac or cartap hydrochloride 600 g/ac during morning or evening hours.

Rice

Due to prevailing weather condition possible for thrips infestation in paddy crop. To manage them, spray thiamethoxam 8.0g/ for 20 cent of nursery field. In transplanted field spray Azadiractin 400 ml/acre or thiamethoxam 40 g/ac.

Sugarcane

Crown mealy bug and pokkahboeng disease of sugarcane observed in field. Symptoms are stunted growth, terminal shoot drying, yellowing of leaf and weakening of cane. To control follow integrated management practices.

Sett treatment - carbendazim 50 WP @ 2 g/lit for 30 min & imidacloprid 70 WS @ 1.5 ml/lit. for 5 min before planting, Monitor ant movement in the border rows at regular intervals, Prophylactic measure - in endemic area, field borders (3 rows) spray imidacloprid 17.8 SL @ 3 ml/10 lit (or) chlorantraniliprole 18.5 SC 4 ml /10 lit (or) clothianidin 50 WDG @ 5g/10 lit (or) spirotetramet 150 OD @ 12.5 ml/10 lit (or) Flonicamid 50% WG @ 3 g/10 lit. If infestation crosses ETL (10%), the insecticide application should be repeated at 20 days interval with rotation of above insecticides. Before spraying ensure de-trashing and it should be done at 5 months after planting.

If Pokkahboeng noticed, spray carbendazim 50 WP @ 2 g/lit or propiconazole 25 EC @ 2 ml/lit + sticking agent @ 1 ml/lit 3 times at 20 days interval. Spray should be directed towards central whorl for better control

Ratoon cropping should be discouraged after two ratooning in the endemic areas

Maize

Maize growing farmers the fall army worm infection apply neem cake @ 250 kg/ha (farmer contribution)

Seed treatment with cyantraniliprole 19.8% + thiamethoxam 19.8 FS @ 4.0 ml/kg seed

Border cropping with gingelly or cowpea or sorghum

Installation of pheromone traps @ 12 nos./ha

Spraying of chlorantraniliprole 18.5 SC @ 0.4 ml/l (or) flubendiamide 20 WG (0.5 g/l) at 15-20 days of emergence (DAE)

Application of ememectin benzoate 5 SG (0.4 g/l) or spinetoram 11.7 SC (0.5 ml/l) at 35-40 DAE at late whorl stage and 60 DAE.

Cow

As per the advice of the veterinary doctor, farmers are instructed to vaccinate their dairy animals against Haemorrhagic septicaemia (HS), Black Quarter (BQ) and FMD disease.

Coimbatore

Agro Advisory

Crop	Stage	Advisory
General		Moderate to heavy rainfall during next three days is expected with high wind speed of >10 km/hr in western zone districts. Areas along the Western Ghats may receive heavy rainfall. Provide adequate drainage and harvest the excess water to farm ponds With the receipt of anticipated rainfall dry lands may be prepared and

		sown with North East Monsoon crops such millets and pulses. Prevailing cloud cover with high relative humidity leads to less water and nutrient absorption. Hence nitrogenous fertilizers may be applied as slow release form like neem coated urea to get more nutrient efficiency. Postpone fertilizer application and spraying operations.
Rice	Planting	Considering the rainfall, Samba season rice planting may be postponed and provide adequate drainage to recently transplanted rice.
Sorghum	Sowing	To utilize the expected rainfall, premonsoon sowing of millets maybe taken up in rainfed.
Groundnut	Sowing	By utilizing expected rainfall gap filling may be done to groundnut crop maintain optimum population.
Sugarcane	Vegetative	Since rainfall with squally wind is expected, dethrash and propping in five months old sugarcane crop is recommended against the lodging.
Banana	Above 5 months old	Rainfall with wind speed of >10km may cause severe damage to Banana. Provide adequate support to Banana of above 5 months old. Prevailing cloudy weather with high relative humidity with drizzling is favorable for the sigatoka leaf spot in turmeric hence farmers are requested to monitor the crop and spray if required chlorothalnil @ 2g per liter of water or propiconazole @ 2ml per liter of water.
Turmeric	Vegetative	<i>Weather is favourable for</i> rhizome rot in Turmeric. Provide adequate drainage and drench with <i>Trichoderma viride</i> to prevent disease spread.
Tapioca	Planting	Considering the anticipated rainfall, it is best time for planting tapioca. Before planting sett should be dipped in carbendazim solution @ 1g in 1 lit water for 15 minutes.
Coconut		Basins of tree crops may be deepened to collect anticipating rainfall so as to harvest the rain water in root zone.
Animal Husbandry		Since rainfall is expected drainage in and around cattle and poultry sheds may be provided to avoid water stagnation. Further farmers are requested to safeguard the feed and fodder material from rain soaking. Weather is conducive for mastitis disease in milch animals. Hence, clean the udder with 1% potassium permanganate before and after milking. De worming in cattle's may be advised.

SMS advisory

Basins of tree crops may be deepened to collect anticipating rainfall so as to harvest the rain water in root zone.

Erode

Agro Advisory

Crop	Stage	Advisory
General		Moderate to heavy rainfall during next three days is expected with high wind speed of >10 km/hr in western zone districts. Areas along the Western Ghats may receive heavy rainfall. Provide adequate drainage and harvest the excess water to farm ponds. With the receipt of anticipated rainfall dry lands may be prepared and sown with North East Monsoon crops such millets and pulses. Prevailing cloud cover with high relative humidity leads to less water and

		nutrient absorption. Hence nitrogenous fertilizers may be applied as slow release form like neem coated urea to get more nutrient efficiency. Postpone fertilizer application and spraying operations.
Rice	Planting	Considering the rainfall, Samba season rice planting may be postponed and provide adequate drainage to recently transplanted rice.
Sorghum	Sowing	To utilize the expected rainfall, premonsoon sowing of millets maybe taken up in rainfed.
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Sugarcane	Vegetative	Since rainfall with squally wind is expected, dethrash and propping in five months old sugarcane crop is recommended against the lodging.
Banana	Above 5 months old	Rainfall with wind speed of >10km may cause severe damage to Banana. Provide adequate support to Banana of above 5 months old. Prevailing cloudy weather with high relative humidity with drizzling is favorable for the sigatoka leaf spot in turmeric hence farmers are requested to monitor the crop and spray if required chlorothalnil @ 2g per liter of water or propiconazole @ 2ml per liter of water.
Turmeric	Vegetative	<i>Weather is favourable for rhizome rot in Turmeric.</i> Provide adequate drainage and drench with <i>Trichoderma viride</i> to prevent disease spread.
Tapioca	Planting	Considering the anticipated rainfall, it is best time for planting tapioca. Before planting sett should be dipped in carbendazim solution @ 1g in 1 lit water for 15 minutes.
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SMS advisory

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Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		Moderate to heavy rainfall during next three days is expected with high wind speed of >10 km/hr in western zone districts. Areas along the Western Ghats may receive heavy rainfall. Provide adequate drainage and harvest the excess water to farm ponds With the receipt of anticipated rainfall dry lands may be prepared and sown with North East Monsoon crops such millets and pulses. Prevailing cloud cover with high relative humidity leads to less water and nutrient absorption. Hence nitrogenous fertilizers may be applied as slow release form like neem coated urea to get more nutrient efficiency.

		Postpone fertilizer application and spraying operations.
Sorghum	Sowing	To utilize the expected rainfall, premonsoon sowing of millets maybe taken up in rained.
Sugarcane	Vegetative	Since rainfall with squally wind is expected, dethrash and propping in five months old sugarcane crop is recommended against the lodging.
Banana	Above 5 months old	Rainfall with wind speed of >10km may cause severe damage to Banana. Provide adequate support to Banana of above 5 months old. Prevailing cloudy weather with high relative humidity with drizzling is favorable for the sigatoka leaf spot in turmeric hence farmers are requested to monitor the crop and spray if required chlorothalnil @ 2g per liter of water or propiconazole @ 2ml per liter of water.
Tapioca	Planting	Considering the anticipated rainfall, it is best time for planting tapioca. Before planting sett should be dipped in carbendazim solution @ 1g in 1 lit water for 15 minutes.
Coconut		Basins of tree crops may be deepened to collect anticipating rainfall so as to harvest the rain water in root zone.
Animal Husbandry		Since rainfall is expected drainage in and around cattle and poultry sheds may be provided to avoid water stagnation. Further farmers are requested to safeguard the feed and fodder material from rain soaking. Weather is conducive for mastitis disease in milch animals. Hence, clean the udder with 1% potassium permanganate before and after milking. De worming in cattle's may be advised.

SMS advisory

Basins of tree crops may be deepened to collect anticipating rainfall so as to harvest the rain water in root zone.

Nilgiris

Due to continuous rainfall, drainage facilities have to be created to drain the excess water in vegetables. To prevent disease incidence due to continuous rain, spray *Pseudomonas fluorescens* or *Bacillus subtilis* @ 5 g per litre of water. 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.

Horticulture(Varieties)	Horticulture Specific Advisory
	To manage Blister blight in tea crop, Spray hexaconazole @ 200 ml + copper
TEA Horticulture(Varieties)	oxychloride @ 210 g/ha at 5 days interval or copper oxychloride @ 210 g + propiconazole @ 200 ml/ha at 10 days interval Horticulture Specific Advisory
BANANA	Trichoderma harzianum @ 50 g/ plant is recommended for organic cultivation of Dbauneantoa.continuous rainfall, drainage facilities have to be created to drain the in excess water. Soil application of FYM @ 10 kg + Neem cake @ 1.25 kg as basal;

Nilgiris Block level

Coonoor, Gudalur, Kotagiri and Ooty Blocks

Due to continuous rainfall, drainage facilities have to be created to drain the excess water in vegetables. To prevent disease incidence due to continuous rain, spray *Pseudomonas fluorescens* or *Bacillus subtilis* @ 5 g per litre of water. 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.

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Ariyalur, Karur, Nagapattinam, Perambalur, Thanjavur and Tiruvarur

Agro Advisory

Crop	Stage	Advisory
General		Farmers are requested to download and utilize the agricultural based mobile apps suggested by TNAU (TNAU AAS, Meghdoot and DAMINI).
		Deepen the drainage channel and link with farm ponds towards rain water harvesting.
		Considering expected rainfall, application of fertilizers and insecticides to the crops can be postponed.
Rice	Main field	Owing to prevailing high temperature, standing water in the transplanted field may heat up and produce heat injury to transplanted seedlings. To contain this, adopt alternate wetting and drying.
Cattle	Cow	Before monsoon ensure that cows and buffaloes were vaccinated against food and mouth disease.

SMS advisory

Deepen the drainage channel and link with farm ponds towards rain water harvesting.

Tiruchirapalli

Tamilnadu's average rainfall is likely to be normal during this week from 11.10.2023 to 17.10.2023 (5.85 mm to 6.74 mm). To know the precaution of thunder and lightning, download DAMINI app and use it wisely.

Crop(Varieties)	Crop Specific Advisory
RICE	By utilize the opt weather, transplanting of samba rice may be continued. Due to high wind speed tip drying of leaves is observed in rice crop by collision of leaves not by disease. No need to spray.
Horticulture(Varieties)	Horticulture Specific Advisory
BANANA	Light to heavy wind/gust speed will expected in forthcoming days so farmers are advised to save the banana crop by using stacking method with casuarina poles.
Live Stock(Varieties)	Live Stock Specific Advisory
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.
SHEEP	It is an acute to chronic viral disease of sheep and goats characterized by generalized pox lesions throughout the skin and mucous membranes. Skin papules appear in 2-5 days following temperature and first appear on the hairless parts of the skin. Soon after development of papules rhinitis, conjunctivitis may be observed. Papules like pock lesions appear in all the parts of the body, e.g., lips, cheeks, snout, nostril, face, ear, feet, thigh, abdomen, eye lid, neck, teat and udder. Regular vaccination of animals.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Native poultry reared under integrated method in case infested with lice, must be given medicated bath. A sponge dipped in 1 ml of butox mixed in one litre of water could be rubbed all over the boy on a bright sunny day. Care must be exercised to avoid eyes ear lobe and mouth.

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 normal during this week from 11.10.2023 to 17.10.2023 (5.85 mm to 6.74 mm). To know the precaution of thunder and lightning, download DAMINI app and use it wisely.

Crop(Varieties)	Crop Specific Advisory
RICE	By utilize the opt weather, transplanting of samba rice may be continued. Due to high wind speed tip drying of leaves is observed in rice crop by collision of leaves not by disease. No need to spray.
Horticulture(Varieties)	Horticulture Specific Advisory
BANANA	Light to heavy wind/gust speed will expected in forthcoming days so farmers are advised to save the banana crop by using stacking method with casuarina poles.
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CHICKEN	Native poultry reared under integrated method in case infested with lice, must be given medicated bath. A sponge dipped in 1 ml of butox mixed in one litre of water could be rubbed all over the boy on a bright sunny day. Care must be exercised to avoid eyes ear lobe and mouth.

Dindigul

SMS Advisory	Chances of Rather heavy rain on 11, 12 Oct & Moderate rain during 13, 14, 15 Oct. Maximum temperature would be in the range of 35°C to 36°C and the minimum temperature would be between 24°C - 25°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 4-5 Kmph from, Southeast & South directions.
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General Advisory:

Heavy rain is likely to occur at isolated places over the district on 11& 12 October 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, intercultural 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: (Cotton, Paddy & Animal Husbandry).

Cotton:

The incidence of whitefly and jassids were noticed in cotton, hence farmers are advised to set up Yellow & Blue sticky traps each @ 6Nos./acre for monitoring the sucking pests and spray fish oil resin soap @ 20gm per litre of water. Spraying should be done only on non-rainy days.

Paddy:

This is the time for the application of Manures and Fertilizers in Paddy fields. Farmers are advised to apply 50 kg N, 28kg P and 25kg K per hectare as a blanket recommendation. Also apply 25 kg of N and 12 ½ kgs of K in two equal splits at 20 – 25 days and 40 - 45 days after germination. Spraying should be done only on non-rainy days.

Animal Husbandry:

Due to the prevailing weather conditions, the Enterotoxaemia disease may affect the Goats. The main symptom of the disease is sudden death in young growing kids. Mucous diarrhoea may also be seen during death.

To prevent this disease, do not feed on young grass,
Allow the goats to graze one hour after the sunshine.

Vaccinate the animals once a year before the onset of monsoon.

Madurai

SMS Advisory	Chances of Rather heavy rain on 11, 12 Oct & Moderate rain during 13, 14, 15 Oct. Maximum temperature would be in the range of 35°C to 36°C and the minimum temperature would be between 24°C - 25°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 4-5 Kmph from, Southeast & South directions.
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General Advisory:

Heavy rain is likely to occur at isolated places over the district on 11 & 12 October 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, intercultural 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: (Banana, Groundnut & Animal Husbandry).

Banana:

It is important to apply micronutrients to Banana crops, planted in garden land, spraying of Plantozyme @ 2ml/litre of water is recommended. Similarly, Acid lime and Zinc Sulphate @ 5gm/litre of water can also be sprayed at this stage. Spraying should be done only on non-rainy days.

Groundnut:

To increase the flower retention and pod filling in Groundnut. Farmers are advised to give two sprays of Groundnut rich @ 5kg/ha in 500 litres of water (for each spray). The first spray, at 35 days after sowing and the second spray at 45 days after sowing. Spraying should be done only on non-rainy days.

Animal Husbandry:

Due to the prevailing weather conditions, the Enterotoxaemia disease may affect the Goats. The main symptom of the disease is sudden death in young growing kids. Mucous diarrhoea may also be seen during death.

To prevent this disease, do not feed on young grass,
Allow the goats to graze one hour after the sunshine.

Vaccinate the animals once a year before the onset of monsoon.

Pudukottai

Extended Range Forecast For Tamil Nadu 15 .10.2023 to 21.10.2023. During the Week from 15 th to 21 th October Normal Rainfall . Maximum temperature and minimum temperature Normal is likely to occur over Tamilnadu. Farmers should give deworming medicine to their livestock as continuous rain is likely to infect livestock.

Crop(Varieties)	Crop Specific Advisory
MAIZE	The application of micronutrients will rectify the nutrient deficiency in Maize Cultivation. Farmers who have planted maize recently can apply 5kg of Millet nutrient mixture or 10Kg of ZnSo ₄ /acre. Also, apply Farm Yard Manure along with 2kgs of Azospirillum and 2kgs of Phosphobacteria per acre. Plant protection activities can be done, only on non-rainy days.Farmers are advised to spray Emamectin Benzoate (@ 4 gram / 10 litre of water) pesticide spray to control maize fall army worm pest during initial stage of the crop.
RICE	Prepare nursery for Thaladi rice cultivation by utilizing the expected rain. Spread rice strawover nursery bed to avoid scattering of sown seeds due to expected rain. Apply 100 kg of neem cake before transplanting to avoid insect and nematode attack favourable under this prevailing weather condition.
Horticulture(Varieties)	Horticulture Specific Advisory
BANANA	Use transparent polythene sleeve (4%) to cover the bunches to increase the quality.
COCONUT	Farmers are requested to apply coconut micronutrient mixture @ 1 kg / tree enriched with 10 kg farm yard manure in circular basin established 2 – 3 feet away from the trunk of the tree and improve the yield of coconut by using rainfall.
BRINJAL	Brinjal cultivators are advised to manage the weeds in the Brinjal fields as follows. Before planting, spray Fluchloralin @ 1 litre per 500 litres of water as pre-emergence herbicide, followed by hand weeding once at 30 days after planting.
Faba bean/ Broad bean	At this stage, pruning can be done for the Lab Lab crop, to get a good yield. When the vine reaches the pandal, the terminal bud has to be nipped. Each branch has to be pruned, leaving three feet in length. When the flowering starts, prune the branches bearing inflorescence, leaving three nodes from the productive axil. Continue this procedure throughout the reproductive phase. Spraying activity can be carried out during non-rainy days.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	During the rainy season, the chances of growth of coccidial oocysts as well as the Clostridium perfringens and Ecoli are more. Enterotoxaemia occurs due to sudden changes in feed or damage to the intestinal mucosa. High dietary levels of dry fish, fishmeal and wheat may be avoided for the poultry. The enterotoxaemia can be prevented by using good quality feed ingredients free from mycotoxins and deworming of the desi birds. Similarly, the litter moisture should be kept low.

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
RAIN WATER HARVESTING	As rainy weather is expected in the coming days strengthening the basins for fruit trees and tree spices may be taken up for better harvesting of rains.
GENERAL ADVICE	With the receipt of anticipated rainfall dry lands may be prepared and sown with North East Monsoon crops such as groundnut and millets. Prevailing cloud cover with high relative humidity leads to less water and nutrient absorption. Hence nitrogenous fertilizers may be applied as slow release form to get more nutrient efficiency.

Ramanathapuram

From extended range forecast, normal rainfall, maximum and minimum temperature expected for the period of October 15 to October 21 over Tamil Nadu. For optimal crop growth, it is recommended that farmers apply either 10 kg of Zinc sulfate or 5 kg of TNAU MN mixture per acre at the time of last ploughing.

Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Due to the prevailing weather condition, incidence of red palm weevil expected in coconut. The damage symptoms are holes can be seen on the stem with chewed up fibres protruding out and reddish brown liquid can be seen oozing out from the hole. If symptoms are observed in coconut tree, spot application with insecticidal solution containing Imidacloprid 17.8% SL @ 1 ml with 1 liter of water.
COCONUT	In coconut, to control the Rhinocerosbeetle, the topmost three leaf axils around the spindle filled with Naphthalene balls three to four balls covered with fine sand, once in 45 days. 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.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	As per the advice of the veterinary doctor, farmers are instructed to vaccinate their dairy animals against Haemorrhagic septicaemia (HS), Black Quarter (BQ) and FMD disease.

Sivagangai

SMS Advisory	Chances of Moderate rain during 11, 12, 13 & 14 Oct. Maximum temperature would be in the range of 35°C to 36°C and the minimum temperature would be between 24°C - 25°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 4-5 Kmph from, Southeast & South directions.
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General Advisory:

Heavy rain is likely to occur at isolated places over the district on 12 October 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, intercultural 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: (Important Crops: Cotton, Paddy & Animal Husbandry)

Cotton:

Cotton cultivating farmers are advised to apply compost as first fertilizer. Mix and Apply Superphosphate @ 150 kg per acre, Ammonium sulphate @ 40 kg per acre, and Potash @ 35 kg per acre, close to the plant. Or apply 150 kg of 20-20 fertilizer and 30 kg of potash, cover with the soil and provide irrigation. Spraying should be done only on non-rainy days.

Paddy:

There are chances for reduced crop growth in Paddy due to nutrient deficiency. To manage this reduced growth, apply 10 kg of Murate of Potash as a top dressing and 0.5% of Zinc sulphate as a foliar spray. Spraying should be done only on non-rainy days.

Animal Husbandry:

Due to the prevailing weather conditions, the Enterotoxaemia disease may affect the Goats. The main symptom of the disease is sudden death in young growing kids. Mucous diarrhoea may also be seen during death.

To prevent this disease, do not feed on young grass,

Allow the goats to graze one hour after the sunshine.

Vaccinate the animals once a year before the onset of monsoon.

Theni

SMS Advisory	Chances of Rather heavy rain on 11, 12 Oct & Moderate rain during 13, 14, 15 Oct. Maximum temperature would be in the range of 33°C to 34°C and the minimum temperature would be between 23°C - 24°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 4-5 Kmph from, Southeast & South directions.
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General Advisory:

Heavy rain is likely to occur at isolated places over the district on 11 & 12 October 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, intercultural 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: (Brinjal, Jasmine & Animal Husbandry)

Brinjal:

The occurrence of sucking pests like Aphids & whiteflies may be noticed in the Brinjal crop. To control, mix Neem Oil @ 50ml + Pseudomonas @ 50gm + Sticky agent @ 10ml with 10 litres of water. Spray 2 times at 10 days intervals. Also, tie Yellow sticky traps @ 5 per acre and Blue sticky traps @ 5 per acre. Spraying should be done only on non-rainy days.

Jasmine:

Manganese deficiency symptoms are noticed in some Jasmine fields. The symptoms are leaves showing yellowish-green background with fine nature of green veins and interveinal chlorosis of leaves.

To overcome this deficiency, soil application of MnSO₄ @ 5 to 10 gms/plant or Foliar spray of MnSO₄ 0.5% at fortnightly intervals is recommended. Spraying should be done only on non-rainy days.

Animal Husbandry:

Due to the prevailing weather conditions, the Enterotoxaemia disease may affect the Goats. The main symptom of the disease is sudden death in young growing kids. Mucous diarrhoea may also be seen during death.

To prevent this disease, do not feed on young grass,
Allow the goats to graze one hour after the sunshine.

Vaccinate the animals once a year before the onset of monsoon.

Virudhunagar

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Light to moderate rainfall is predicted for next five days. Hence, farmers are requested to postpone the irrigation.
	Rainfall	Avoid spraying
Rainfed crop	Sowing	Farmers are advised to practice gap filling and tinning with proper drainage facilities across the field to collect rain water.
Cotton	Vegetative	Crop residue mulching may be done to reduce the evaporative loss of soil moisture.
Maize	Vegetative	The prevailing weather condition is conducive for fall armyworm incidence in early maize crop. Spray chlorantraniliprole 18.5% SC @ 0.4ml/ litre of water. Use only hand sprayer and direct the spray towards whorl region.
Chilli	Nursery	Avoid spraying and provide drainage facilities.
Livestock	October month forecast	Anthrax - Very High Risk – goat, sheep, cattle- Vaccination to be done in consultation with the veterinarians and as decided by state animal husbandry authorities. Other diseases infection are at very low risk.

SMS: Rain: 11-15.10-40,35,25,25&5 mm. Postpone the Irrigation and avoid spray. Farmers are advised to take gap filling and tinning.

Tamil Nadu		
A cyclonic circulation is seen over comorin area and neighbourhood upto 1.5km above mean sea level. A cyclonic circulation is seen over Lakshadweep and neighbourhood at 1.5 km above mean sea level.		
Weather forecast	Next five days	<p>Light to moderate rain at a few places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry & Karaikal area on Day 1 (11.10.2023).</p> <p>Heavy rain is likely to occur at isolated places over Ghat areas of Coimbatore district, Nilgiris, Erode, Krishnagiri, Tirupattur, Salem, Dharmapuri, Namakkal, Tiruchirappalli, Karur, Dindigul, Madurai, Vellore, Tiruppur & Theni districts of Tamilnadu on Day 1 (11.10.2023).</p> <p>Light to moderate rain at a few places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry & Karaikal area on Day 2 (12.10.2023).</p> <p>Heavy rain is likely to occur at isolated places over Ghat areas of Coimbatore district, Nilgiris, Erode, Krishnagiri, Salem, Dharmapuri, Virudhunagar, Sivaganga, Tiruchirappalli, Namakkal, Karur, Dindigul, Madurai, Tiruppur & Theni districts of</p>

		Tamilnadu on Day 2 (12.10.2023). Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry & Karaikal area from Day 3 (13.10.2023) to Day 5 (15.10.2023).
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Tirunelveli

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Light to moderate rainfall is predicted for next five days. Hence, farmers are request to postpone the irrigation.
Plant protection	Rainfall	Farmers are advised to avoid spraying.
Rainfed crops	Selection of varieties	For sowing during the ensuing northeast monsoon season. Sorghum (K 8 & K 12), Black gram (Vamban 6, 8 & 11), Green gram (CO 7 & CO 8).
	Sowing	Farmers are request to take sowing with proper drainage facilities across the field to collect rain water.
Chilli	Nursery preparation	Avoid spraying and provide drainage facilities.
Paddy	Green manuring	Raise green manure crops like daincha @ 20 kg/ ha in rice field for ensuing season.
Banana	Vegetative to bunch formation	Rainfall may lead lodging. Earthing-up and mulching operation may be practiced

SMS: Rain: 11-15.10-8,5,25,25&10 mm. Postpone the irrigation. Sowing may be taken with proper drainage facilities. Chilli- provide drainage facilities.

Tamil Nadu		
A cyclonic circulation is seen over comorin area and neighbourhood upto 1.5km above mean sea level. A cyclonic circulation is seen over Lakshadweep and neighbourhood at 1.5 km above mean sea level.		
Weather forecast	Next five days	<p>Light to moderate rain at a few places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry & Karaikal area on Day 1 (11.10.2023).</p> <p>Heavy rain is likely to occur at isolated places over Ghat areas of Coimbatore district, Nilgiris, Erode, Krishnagiri, Tirupattur, Salem, Dharmapuri, Namakkal, Tiruchirappalli, Karur, Dindigul, Madurai, Vellore, Tiruppur & Theni districts of Tamilnadu on Day 1 (11.10.2023).</p> <p>Light to moderate rain at a few places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry & Karaikal area on Day 2 (12.10.2023).</p> <p>Heavy rain is likely to occur at isolated places over Ghat areas of Coimbatore district, Nilgiris, Erode, Krishnagiri, Salem, Dharmapuri, Virudhunagar, Sivaganga, Tiruchirappalli, Namakkal, Karur, Dindigul, Madurai, Tiruppur & Theni districts of Tamilnadu on Day 2 (12.10.2023).</p> <p>Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry & Karaikal area from Day 3 (13.10.2023) to Day 5 (15.10.2023).</p>

Thoothukudi

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Very light to light rain fall is predicted for next five days. Hence, farmers are requested to postpone the irrigation.
Rainfed crops	Selection of varieties	For sowing during the ensuing northeast monsoon season. Sorghum (K 8 & K 12), Black gram (Vamban 6, 8 & 11), Green gram (CO 7 & CO 8)
	Sowing	Farmers are request to take sowing with proper drainage facilities across the field to collect rain water.
Chilli	Nursery preparation	Avoid spraying and provide drainage facilities.
Paddy	Green manuring	Raise green manure crops like daincha @ 20 kg/ ha in rice field.
Banana	Vegetative to bunch formation	Earthing-up and mulching operation may be practiced to retain the rain water.

SMS: Rain:11-15.10.-3,2,12,10&8 mm. postpone the Irrigation. Rainfed crops- Sowing may be taken.
Chilli- provide drainage facilities.

Tamil Nadu		
A cyclonic circulation is seen over comorin area and neighbourhood upto 1.5km above mean sea level. A cyclonic circulation is seen over Lakshadweep and neighbourhood at 1.5 km above mean sea level.		
Weather forecast	Next five days	<p>Light to moderate rain at a few places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry & Karaikal area on Day 1 (11.10.2023).</p> <p>Heavy rain is likely to occur at isolated places over Ghat areas of Coimbatore district, Nilgiris, Erode, Krishnagiri, Tirupattur, Salem, Dharmapuri, Namakkal, Tiruchirappalli, Karur, Dindigul, Madurai, Vellore, Tiruppur & Theni districts of Tamilnadu on Day 1 (11.10.2023).</p> <p>Light to moderate rain at a few places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry & Karaikal area on Day 2 (12.10.2023).</p> <p>Heavy rain is likely to occur at isolated places over Ghat areas of Coimbatore district, Nilgiris, Erode, Krishnagiri, Salem, Dharmapuri, Virudhunagar, Sivaganga, Tiruchirappalli, Namakkal, Karur, Dindigul, Madurai, Tiruppur & Theni districts of Tamilnadu on Day 2 (12.10.2023).</p> <p>Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry & Karaikal area from Day 3 (13.10.2023) to Day 5 (15.10.2023).</p>

Kanyakumari

AGRO ADVISORIES:

S. N.	CROP	STAGES	ADVISORIES
			There are possibilities of rainfall during the forth coming five days. Maximum temperature will range from 30 - 32°C and minimum temperature will range from 23 - 24°C. Partly cloudy condition may prevail. The morning relative humidity will range from 84 - 88 % and it may range from 74 - 76 % during afternoon. Wind speed may be 8 - 10 km / hr in West direction.

1.	Horticultural crops.	All stages	Basins can be formed and coir compost should be applied to conserve moisture in banana, pepper, clove, nutmeg, cinnamon and coconut.
2.	Tree spices	Vegetative stages	Avoid moisture loss by the application of mulching in tree spices field through farm waste materials.
3.	Rice	Harvesting stage	As rainfall is expected, harvested paddy grains should be stored in a dry places.
4.	Coconut	All stages	Apply coconut husks with convex surface facing upwards in the basin of 1.8 m radius around the palms to conserve the soil moisture.
5.	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.

SMS Advisory

Banana: Use transparent polythene sleeves (2%) to cover the bunches due to rainfall. It increases the quality of bunches.

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	General	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 backdisease in cashew and rhizome rot in ginger and turmeric.
Crops	General	Irrigate the crop as per requirement and use mulching to reduce evaporation, enhance water holding capacity and soil health
Post harvest		Weather is unfavourable for drying harvested products (like rice, rubber, copra, pulses, vegetableseeds, etc) directly under sun. Adhesive /sticking agents should be used to prevent runoff of pesticide, fungicide etc
Crops	General	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.
Cattle:	General	Do not shelter the cattle in shelters having weak structures.
Tree planting	planting	Tree planting 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.
Cow pea	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 150 gram 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	Dairy animals	<p>Methods of increasing fat content in milk during rainy season</p> <p>Dry fodders rich in dietary fibre like hay and straws of paddy and sorghum will increase fat content in milk. However, due to abundant green grass availability during the rainy season, dairy cows will avoid dry fodder and consume more green fodder. In such a situation, despite the increase in milk production of dairy cows, the amount of fat in the milk will decrease and the price of milk is likely to decrease. Therefore, it is necessary to feed hay and straws of paddy and sorghum along with green grasses that are low in fiber. Chopping dry forage crops into pieces will increase feed intake and digestibility. But make sure that the size of the chopped fodder should not be less than ½ inch. Treating the straws of paddy and sorghum with urea and molasses will increase the palatability as well as digestibility of the fodder and in turn it will increase the fat content of the milk. During rainy season, dry fodder may be given before feeding concentrate. Cows that are not fed with concentrates must be given 40 grams of mineral mixture daily.</p>
Poultry and Livestock	General	<p>Control of flies in poultry and livestock farms</p> <p>In Tamil Nadu, during monsoon season rainy days interspersed with a day of sunshine. This favours fly population to increase at a faster pace, and hence fly menace will be high in the forthcoming months. Necessary fly control measures with special attention for farm sanitation should be followed.</p>

Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Maize	Vegetative stage	Farmers are requested to give foliar spraying with Maize Maxim @ 3 kg / acre in 200 litres of water along with sticking agent during tassel initiation and grain filling stage to improve the yield of maize crop.
Blackgram	Sowing	To improve the yield of blackgram apply 2 kg pulse micronutrient mixture enriched with farm yard manure as basal dose at the time of sowing or give foliar spraying with pulse wonder @ 2 kg in 200 litre of water along with sticking agent at the time of flowering.
Turmeric	Vegetative stage	Turmeric growers are requested to apply urea @ 108.5 kg and potash @ 360.7 kg in five equal splits at 30, 60, 90, 120 and 150 days after planting as basal and top dressing. Also apply 150 kg super phosphate as basal dose / acre.
Tapioca	Vegetative stage	Due to change in climate mealy bug incidence has been reported in Tapioca crop. To control this, foliar spraying of neem oil 3 ml and adjuvant 1ml in 1 litre of water can be done for 2 times at 15 days interval. Also, field release of Anagyrus lopezi parasitoid @ 200 numbers / acre can be undertaken.

Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

Crop	Advisory
Turmeric	Turmeric - Rhizome rot n infected plants, basal portion of the shoots appear watery and soft. The root system is very much reduced The leaves exhibit gradual drying along the margin Infected rhizomes soft, rotted, colour changes into different shades of brown for control measures Providing good drainage facilities. Soil drenching with copper oxy chloride (0.25%) in and around affected plants. Soil application of Pseudomonas fluorescens talc formulation (2.5 kg/ha).
Groundnut	Groundnut - Stem rot - Pustules appear first on the lower surface and in highly susceptible cultivars the original pustules may be surrounded by colonies of secondary pustules. Pustules may also appear on the upper surface of the leaflet. They may be formed on all aerial plant parts apart from flower and pegs. Severely infected leaves turn necrotic and desiccate but are attached to the plant .control measures Soil drenching with copper Carbendazim 2 gram/ lit or Apply the trichoderma viride @ 2.5kg/ha mixed with 50 Kgs of well decomposed farmyard manure (FYM)
Sugarcane	Sugarcane White Grub symptoms Yellowing and wilting of leaves. Drying of entire crown. Affected canes come off easily when pulled. Cause extensive damage to roots and base of shoot. Affected canes shows lodging in the field. Damages can seen more in ratoon crop when compare to plant crop for control measures Apply Beauveria brongniortii @ 2.5 kg/ha (1*10 ⁹ CFU/g) entopathogenic fungal formulation along with FYM at the time of planting in endemic regions.
Paddy	Paddy Thrips Leaf shows discoloration and rolling Yellow (or) silvery streaks on the leaves of young seedlings ,Terminal rolling and drying of leaves from tip to base, It causes damage both in nursery and main field, Leaf tips wither off when severely infested for control measures Spray azadirachtin 0.15% @ 600-1000 ml/acre, Thiamethoxam 25 WG @ 40 g/acre

Maize	Maize Fall army worm incidence noticed with the prevailed weather. To control spray any one of the following insecticides / biopesticide (use manually operated or battery-operated high-volume knapsack sprayer only with a spray volume of 500 lit. /ha.) Emamectin Benzoate 5 SG @ 4 grams for 10 litre of water. or Spinetoram 11.7 SC @ 5 ml/10 lit or Novaluron 10 EC @ 10 ml/10 lit.* Preference may be given to the chemical not applied during the previous stage.
Banana	Rhizome weevil - Grubs bore into the rhizome and cause death of the plant Presence of dark coloured tunnels in the rhizomes. Death of unopened pipe, withering of outer leaves. For control measures 5 to 10 grams of borate 10G per tree or Fipronil 0.3% GR 10 kg/ ha per acre mixed with sand or urea at the rate of 1 handful per plant should be sprinkled around the roots and watered
Turmeric	Turmeric - Leaf spot- In affected leaves, elliptic or oblong spots with yellow halo are seen. The centre of spots are grayish white and then with numerous black dots in centre As the disease advances, the leaves dry up and give a scorched appearance. For control measures Field sanitation. Spray with Mancozeb 0.25% or copper oxy chloride 0.25% immediately after the appearance of symptom and at 15 days interval
Cattle	Due to past rainfall event cattle shed and cow penning area's probably in moist condition. So kindly keep the cattle shed in dry condition and use disinfectant like lime. Mastitis in high yielding cows: Mastitis is a very common problem in high yielding cows caused mainly by bacteria in unhygienic farm conditions. Ethno veterinary 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.

Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	Dairy animals	<p>Methods of increasing fat content in milk during rainy season</p> <p>Dry fodders rich in dietary fibre like hay and straws of paddy and sorghum will increase fat content in milk. However, due to abundant green grass availability during the rainy season, dairy cows will avoid dry fodder and consume more green fodder. In such a situation, despite the increase in milk production of dairy cows, the amount of fat in the milk will decrease and the price of milk is likely to decrease. Therefore, it is necessary to feed hay and straws of paddy and sorghum along with green grasses that are low in fiber. Chopping dry forage crops into pieces will increase feed intake and digestibility. But make sure that the size of the chopped fodder should not be less than ½ inch. Treating the straws of paddy and sorghum with urea and molasses will increase the palatability as well as digestibility of the fodder and in turn it will increase the fat content of the milk. During rainy season, dry fodder may be given before feeding concentrate. Cows that are not fed with concentrates must be given 40 grams of mineral mixture daily.</p>
Poultry and	General	Control of flies in poultry and livestock farms

Livestock		In Tamil Nadu, during monsoon season rainy days interspersed with a day of sunshine. This favours fly population to increase at a faster pace, and hence fly menace will be high in the forthcoming months. Necessary fly control measures with special attention for farm sanitation should be followed.
Agro advisory from Krishi Vigyan Kendra		
Maize	Vegetative stage	Farmers are requested to give foliar spraying with Maize Maxim @ 3 kg / acre in 200 litres of water along with sticking agent during tassel initiation and grain filling stage to improve the yield of maize crop.
Blackgram	Sowing	To improve the yield of blackgram apply 2 kg pulse micronutrient mixture enriched with farm yard manure as basal dose at the time of sowing or give foliar spraying with pulse wonder @ 2 kg in 200 litre of water along with sticking agent at the time of flowering.
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Tapioca	Vegetative stage	Due to change in climate mealy bug incidence has been reported in Tapioca crop. To control this, foliar spraying of neem oil 3 ml and adjuvant 1ml in 1 litre of water can be done for 2 times at 15 days interval. Also, field release of Anagyrus lopezi parasitoid @ 200 numbers / acre can be undertaken.

Karaikal




Agro Advisory:

Crop/livestock	Stage/Particulars	Agro Advisory
Rice	Weed management	To manage weeds in nursery, apply pre-emergence herbicide Butachlor 50 EC @ 1.0 kg (a.i.)/ha on 8 DAS.
		To manage weeds in direct wet seeded rice, apply Pretilachlor + safener 30 EC @ 0.450 kg (a.i.)/ha at 3 days after sowing.
		To manage weeds in direct dry seeded rice, apply Pendimethalin 30 EC @ 1.0 kg (a.i.)/ha at 5 days after sowing on the day of receipt of soaking rain.
Cattle	Hemorrhagic septicaemia	Hemorrhagic septicaemia is a bacterial disease in cattle. It generally occurs during rainy season. Hence, to prevent this disease in farm animals vaccinate cattle before rainy season for Hemorrhagic septicaemia (October).
	Theileriosis	Theileriosis is an important disease in exotic and cross bred dairy cattle. This disease is transmitted by the bite of the ticks of the genus Hyalomma. The growth and development is high in ticks during September and October. Hence, the breeding places of ticks like cattle manure, filth, dark corners, dampness and stagnant water etc. and eggs of ticks deposited in cracks & crevices in the walls, floors & wood work of the animal houses should be cleaned properly to prevent the occurrence of the disease in cattle.

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

Puducherry

Weather based Agro-Advisories:

Crop	Stage/ Particulars	Agro Advisory
Rice stem borer 	Tillering stage	To manage rice stem borer, release parasitoid <i>Trichogramma japonicum</i> 3 tricho cards/ha at active tillering stage (37, 44 and 51 DAP) or Azadirachtin 0.03% @ 4 ml/l or cartaphydrochloride 50% SP @ 2g/l or flubendiamide 20 WG @ 0.25 g/l or thiamethoxam 25 WG @ 0.2 g/l.
Rice BLB 	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.
Rice		Farmers should do soil testing before sowing or cultivation of any crop. Soil testing report shows availability of nutrients in soil and due to this, it is easy to manage fertilizer dose of any crop, to save fertilizer and to maintain soil fertility also. seed treatment with <i>T. viride</i> @ 4g or or <i>Bacillus subtilis</i> 10g per Kg before sowing of crop can control the incidence root rot diseases, Blast and false smut in rice
Brinjal	Reproductive Stage	To manage Brinjal shoot borer, apply neem cake 200 kg/ha or spray Emamectin Benzoate 4% SG @ 0.4g/l.
Mastitis in high yielding cows 		Mastitis is a very common problem in high yielding cows caused mainly by bacteria in unhygienic farm conditions. Ethno veterinary medicine for Mastitis: 1. Aloe vera -250g. 2. Turmeric- 50g. (rhizome (or) powder. 3. Calcium hydroxide. (Lime- 15g). Preparation: 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.

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

Puducherry Block level

Ariankuppam, Ozhukarai and Villianur Blocks

Light to Moderate rain with thunderstorms & lightning is likely to occur in one or two places on 11.10.2023, 12.10.2023. To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely.

Crop(Varieties)	Crop Specific Advisory
RICE	□ Farmers should do soil testing before sowing or cultivation of any crop. Soil testing report shows availability of nutrients in soil and due to this, it is easy to manage fertilizer dose of any crop, to save fertilizer and to maintain soil fertility also. seed treatment with T. viride @ 4g or Bacillus subtilis 10g per Kg before sowing of crop can control the incidence root rot diseases, Blast and false smut in rice
Horticulture(Varieties)	Horticulture Specific Advisory
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	Mastitis is a very common problem in high yielding cows caused mainly by bacteria in unhygienic farm conditions. Ethno veterinary medicine for Mastitis: 1. Aloe vera -250g. 2. Turmeric- 50g. (rhizome (or) powder. 3. Calcium hydroxide. (Lime-15g). Preparation: 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.

Bahour, Mannadipet and Nettapakkam Blocks

Light to Moderate rain with thunderstorms & lightning is likely to occur in one or two places on 11.10.2023, 12.10.2023. To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely.

Crop(Varieties)	Crop Specific Advisory
RICE	To manage rice stem borer, release parasitoid Trichogramma japonicum 3 tricho cards/ha at active tillering stage (37, 44 and 51 DAP) or Azadirachtin 0.03% @ 4 ml/l or cartaphydrochloride 50% SP @ 2g/l or flubendiamide 20 WG @ 0.25 g/l or thiamethoxam 25 WG @ 0.2 g/l.
RICE	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.

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Mastitis is a very common problem in high yielding cows caused mainly by bacteria in unhygienic farm conditions. Ethno veterinary medicine for Mastitis: 1. Aloe vera -250g. 2. Turmeric- 50g. (rhizome (or) powder. 3. Calcium hydroxide. (Lime-15g). Preparation: 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.

