



तमिलनाडु के लिए राज्य स्तरीय समग्र कृषि-मौसम परामर्श
बुलेटिन

**State Composite Agro-meteorological Advisory
Bulletin for Tamil Nadu and Puducherry
Bulletin No. 075/2023**

For the period 0830 IST, 18th September 2023 to
0830 IST, 23rd September 2023

Issued on Monday, 18th September 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 15.09.23 to 17.09.23 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range **30°C – 39°C** prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range **18°C – 21°C** during the period.

Minimum temperature of range **20°C - 28°C** prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range **11°C - 13°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)	15.09.23 & 17.09.23	15.09.23 & 17.09.23
Isolated (One or Two Places)	16.09.23	--
Dry	--	16.09.23

Chief Amounts of Rainfall (in cms):-

15.09.23 : Alangudi (dist Pudukkottai) 5, Colachel (dist Kanyakumari) 4, Yercaud (dist Salem), Eraniel (dist Kanyakumari), Thiruchuzhi (dist Virudhunagar), Orthanad (dist Thanjavur), Mylaudy (dist Kanyakumari), Chinnakalar (dist Coimbatore), Pattukottai (dist Thanjavur), Valparai PTO (dist Coimbatore), Nagercoil (dist Kanyakumari), Kurungulam (dist Thanjavur), Thirukalukundram (dist Chengalpattu) 3 each, Puthan Dam (dist Kanyakumari), Perunchani Dam (dist Kanyakumari), Kurunthancode (dist Kanyakumari), Neivasal Thenpathi (dist Thanjavur), Valparai PAP (dist Coimbatore), Vettikadu (dist Thanjavur), Paramakudi (dist Ramanathapuram), Thuckalay (dist Kanyakumari), Valparai Taluk Office (dist Coimbatore), Kozhiporvilai (dist Kanyakumari), Kilanilai (dist Pudukkottai), Mayiladuthurai (dist Mayiladuthurai), Karaikudi (dist Sivaganga), Pudukkottai (dist Pudukkottai), Kamudhi (dist Ramanathapuram), Suralacode (dist Kanyakumari), Ranipet (dist Ranipet), Periyar (dist Theni), Taluk Office Pandalur (dist Nilgiris), Mambzhathuraiyaru (dist Kanyakumari), Chengalpattu (dist Chengalpattu), Anna University (dist Chennai), Kuzhithurai (dist Kanyakumari), Kalial (dist Kanyakumari), Perungudi (dist Chennai) 2 each, Poonamalle ARG (dist Tiruvallur), Muthupet (dist Tiruvarur), Anaikedanku (dist Kanyakumari), Sholayar (dist Coimbatore), Sivalogam(chittar li) (dist Kanyakumari), Worth Estate Cher (dist Nilgiris), Sembanarkoil PWD (dist Mayiladuthurai), Thirparappu (dist Kanyakumari), Vedaranyam (dist Nagapattinam), Madukkur (dist Thanjavur), DSCL Rshivandhiyam (dist Kallakurichi), Mahabalipuram (dist Chengalpattu), Gandarvakottai (dist Pudukkottai), Mullanginavillai (dist Kanyakumari), Nannilam (dist Tiruvarur), Chembarabakkam (dist Tiruvallur), Chittar (dist Kanyakumari),

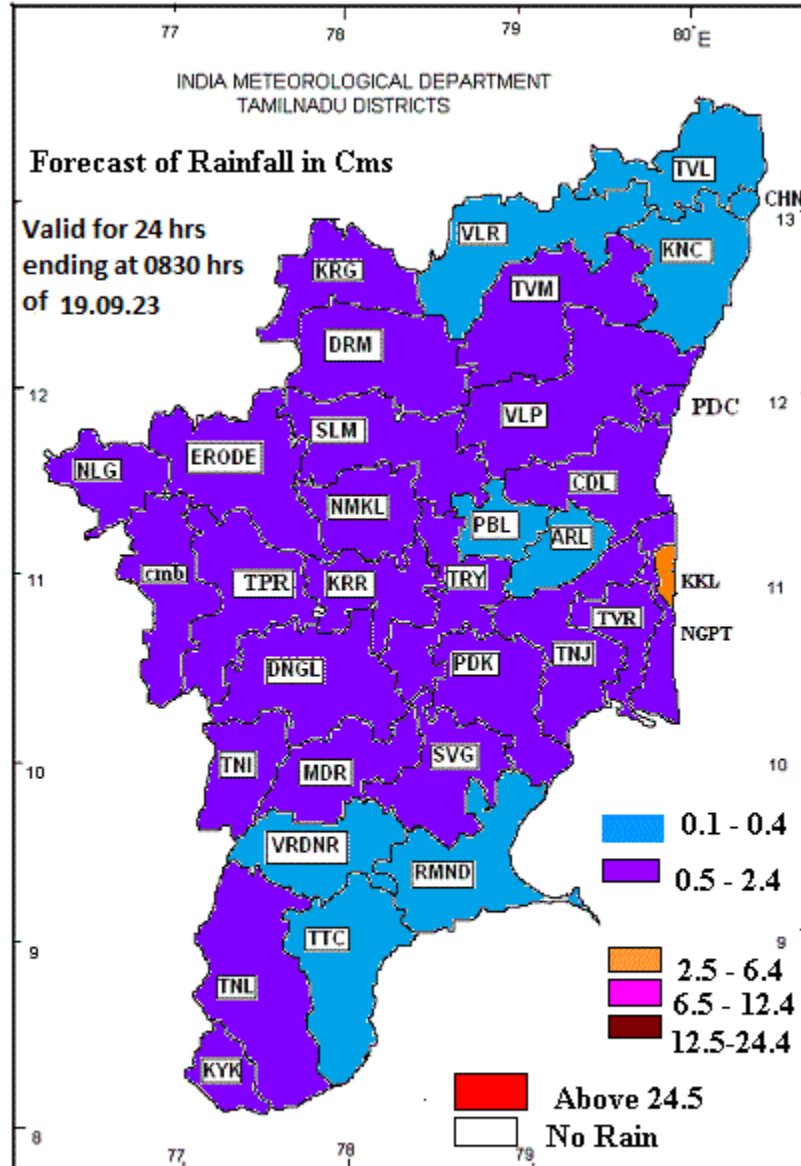
Thirupathisaram Aws (dist Kanyakumari), Avalanche (dist Nilgiris), Valangaiman (dist Tiruvarur), Tiruvallur (dist Tiruvallur), Natham (dist Dindigul), Cincona (dist Coimbatore), Satyabama University ARG (dist Chengalpattu), Needamangalam (dist Tiruvarur), Balamore (dist Kanyakumari), Pechiparai (dist Kanyakumari), Arcot (dist Ranipet), Karaikal (dist Karaikal), Poonamallee (dist Tiruvallur), Grand Anaicut (dist Thanjavur), Chembarambakkam ARG (dist Tiruvallur), Kundrathur (dist Kancheepuram), Thanjai Papanasam (dist Thanjavur), Thiruthuraiipoondi (dist Tiruvarur), Karambakudi (dist Pudukkottai), Kanyakumari (dist Kanyakumari), Kodiayakarai (dist Nagapattinam), Thuvakudi Imti (dist Trichy), Kottaram (dist Kanyakumari), Ayyampettai (dist Thanjavur), Tiruvaiyaru (dist Thanjavur), Dharamapuri (dist Dharmapuri), Tiruttani (dist Tiruvallur), Thiruvalangadu (dist Tiruvallur), Oothu (dist Tirunelveli), Siruvani Adivaram (dist Coimbatore), Wallajah (dist Ranipet), Uthandi (dist Chennai), NIOT Pallikaranai ARG (dist Chennai) 1 each.

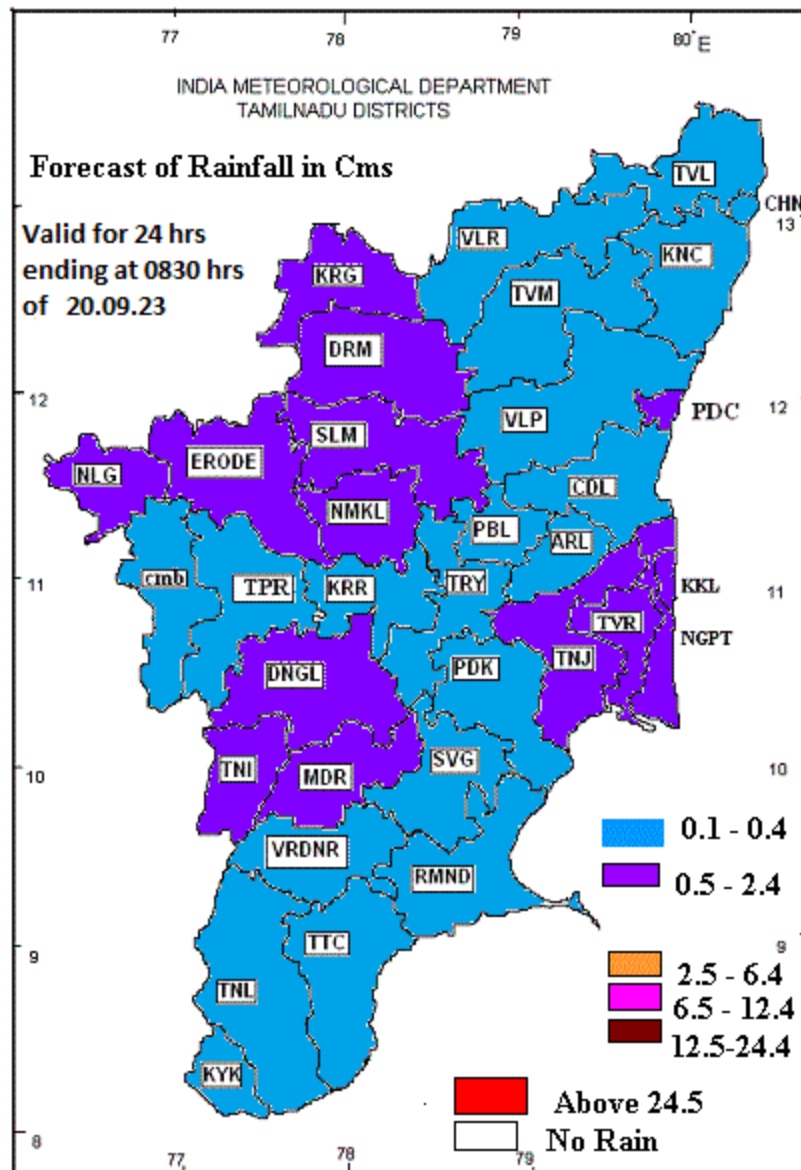
16.09.23 : Uthukottai (dist Tiruvallur) 6, Ponneri (dist Tiruvallur) 5, Kathivakkam (dist Chennai) 4, Taluk Office Pandalur (dist Nilgiris), Gummidipoondi (dist Tiruvallur), Arimalam (dist Pudukkottai), Mettur (dist Salem), Chinnakalar (dist Coimbatore), Thamaraipakkam (dist Tiruvallur) 3 each; Kunderipallam (dist Erode), Worth Estate Cher (dist Nilgiris), Puzhal Arg (dist Tiruvallur), Echanviduthi (dist Thanjavur), Tiruvallur (dist Tiruvallur), Avalanche (dist Nilgiris), Viralimalai (dist Pudukkottai), Cholavaram (dist Tiruvallur), Rsc1-2 Nemoor (dist Villupuram), Manali (dist Chennai), Puzhal (dist Tiruvallur) 2 each; Kanyakumari (dist Kanyakumari), Kottaram (dist Kanyakumari), Red Hills (dist Tiruvallur), Valparai PTO (dist Coimbatore), Sholayar (dist Coimbatore), Alakarai Estate (dist Nilgiris), Cincona (dist Coimbatore), Tirur Kvk Aws (dist Tiruvallur), Valparai Pap (dist Coimbatore), Basl Mugaiyur (dist Villupuram), Avadi (dist Tiruvallur), Valparai Taluk Office (dist Coimbatore), Vanur (dist Villupuram), Mylaudy (dist Kanyakumari), Basl Manampoondi (dist Villupuram), Kilanilai (dist Pudukkottai), Anaimaduvu Dam (dist Salem), Needamangalam (dist Tiruvarur), Eraniel (dist Kanyakumari), Neivasal Thenpathi (dist Thanjavur), Kil Kotagiri Estate (dist Nilgiris), G Bazar (dist Nilgiris), Upper Bhavani (dist Nilgiris), Rsc1-2 Kedar (dist Villupuram), Tnau Cri Yethapur (dist Salem), Poondi (dist Tiruvallur), Harisan Malayalam Ltd. (dist Nilgiris), Kodaikannal Boat Club (dist Dindigul) 1 each.

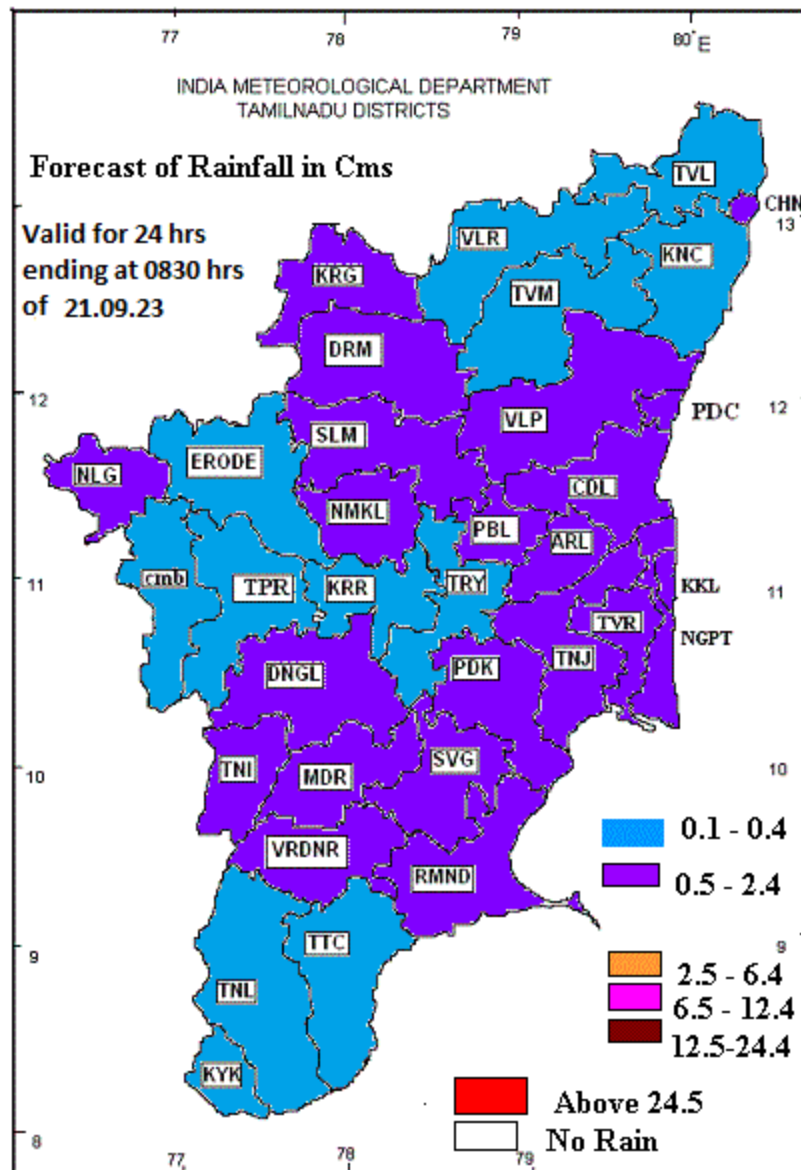
17.09.23 : Tindivanam (dist Villupuram), Tiruttani (dist Tiruvallur) 13 each; Marakkanam (dist Villupuram) 11; RSCL-2 Kanjanur (dist Villupuram), Uthiramerur (dist Kancheepuram) 8 each; RSCL-2 Nemoor (dist Villupuram), Arcot (dist Ranipet), Thamaraipakkam (dist Tiruvallur), Tiruttani PTO (dist Tiruvallur), Wallajah (dist Ranipet), Ambathur (dist Tiruvallur), Tiruvallur (dist Tiruvallur), Thiruvalangadu (dist Tiruvallur), Ranipet (dist Ranipet), Poondi (dist Tiruvallur), Kathivakkam (dist Chennai) 7 each; Vembakkam (dist Tiruvannamalai), Arakonam (dist Ranipet), Perambur (dist Chennai), Cheyyur (dist Chengalpattu), RSCL Vallam (dist Villupuram), Valasaravakkam (dist Chennai), NIOT Pallikaranai ARG (dist Chennai) 6 each; Vandavasi (dist Tiruvannamalai), Mahabalipuram (dist Chengalpattu), Uthukottai (dist Tiruvallur), Poonamalle ARG (dist Tiruvallur), DGP Office (dist Chennai), RSCL-3 Anandhapuram (dist Villupuram), Ayanavaram Taluk Office (dist Chennai), Chetpet (dist Tiruvannamalai), Maduranthagam (dist Chengalpattu), KVK Kattukuppam ARG (dist Kancheepuram), Cholavaram (dist Tiruvallur), Ambur (dist Tirupattur), Vadapudupattu (dist Tirupattur), Tambaram (dist Chengalpattu), Anna Nagar (dist Chennai), Maduravoyal (dist Chennai), Malar colony (dist Chennai), Kodambakkam (dist Chennai), Adayar Eco Park (dist Chennai), VIT Chennai AWS (dist Chengalpattu), YMCA Nandanam ARG (dist Chennai) 5 each; Chennai Nungambakkam (dist Chennai), Kalavai PWD (dist Ranipet), Ammundi (dist Vellore), Cd Hospital Tondaipet (dist Chennai), Chennai Collectorate Bu (dist Chennai), Pallipattu (dist Tiruvallur), Ammoor (walajah Railway (dist Ranipet), Walajabad (dist Kancheepuram), Cheyyar (dist Tiruvannamalai), Vanur (dist Villupuram), RSCL-2 Mundiampakkam (dist Villupuram), Sriperumbudur

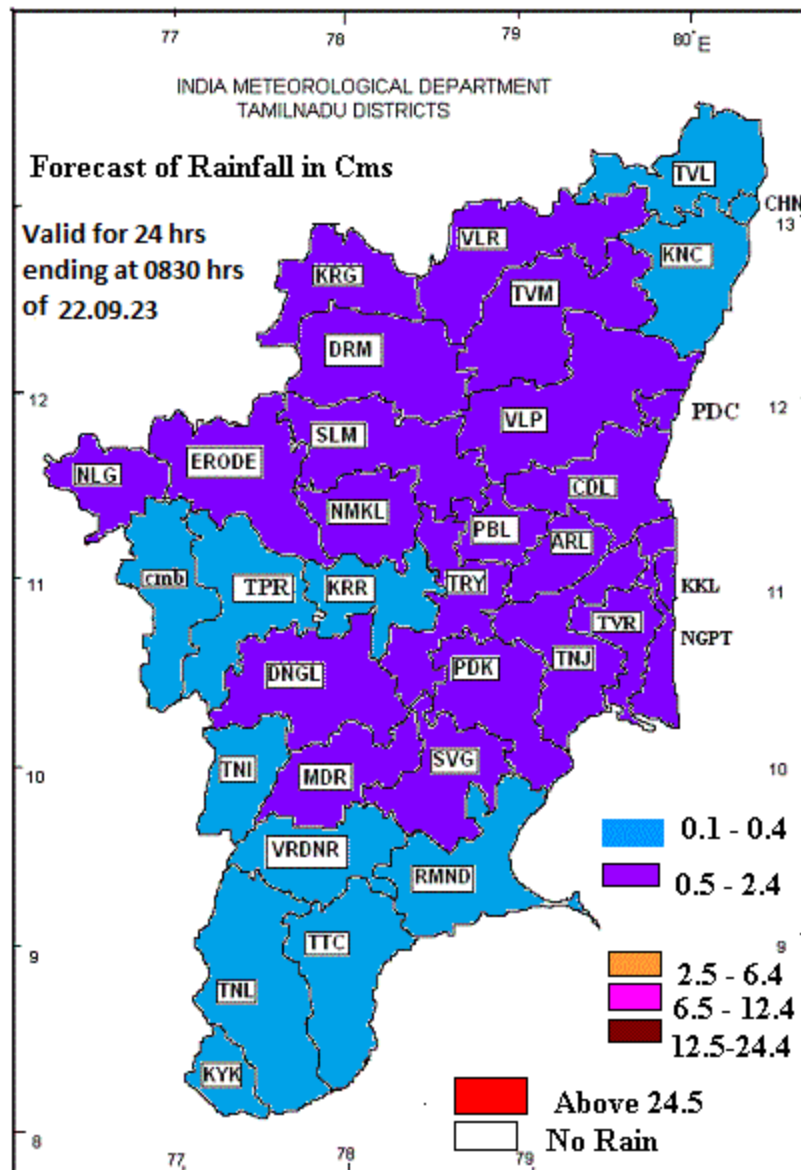
(dist Kancheepuram), Red Hills (dist Tiruvallur), Poonamallee (dist Tiruvallur), Anna University ARG (dist Chennai), Melalathur (dist Vellore), Tirur KVK AWS (dist Tiruvallur), RSCL-3 Valathy (dist Villupuram), MGR Nagar (dist Chennai), Pudukottai (dist Pudukkottai), Puducherry (dist Puducherry), Perungudi (dist Chennai) 4 each; Arani (dist Tiruvannamalai), Chennai Airport (dist Chennai), Kancheepuram (dist Kancheepuram), Alandur (dist Chennai), Palar Anicut (dist Ranipet), Kaveripakkam (dist Ranipet), Katpadi (dist Vellore), Anna University (dist Chennai), Kozhiporvilai (dist Kanyakumari), Vamban KVK AWS (dist Pudukkottai), Kundrathur (dist Kancheepuram), Kelambakkam (dist Chengalpattu), RSCL-2 Kedar (dist Villupuram), RSCL-2 Soorapattu (dist Villupuram), Avadi (dist Tiruvallur), Vellore (dist Vellore), Chengalpattu (dist Chengalpattu), Jamunamarathur (dist Tiruvannamalai), Chembarabakkam (dist Tiruvallur), Hindusthan University (dist Chengalpattu), Thirupporur (dist Chengalpattu), Gingee (dist Villupuram), Ponnai Dam (dist Vellore), Kuzhithurai (dist Kanyakumari), Satyabama Uty ARG (dist Chengalpattu), Chembarabakkam ARG (dist Tiruvallur), Gudiyatham (dist Vellore), Panapakkam (dist Ranipet), Royapuram (dist Chennai), Mugalivakkam (dist Chennai), Sholinganallur (dist Chennai), Vanagaram Sholinganallur (dist Chennai) 3 each; Koratur (dist Tiruvallur), Thalaivasal (dist Salem), Thirukalukundram (dist Chengalpattu), Virinjipuram AWS (dist Vellore), R.k.pet (dist Tiruvallur), RSCL-3 Avalurpettai (dist Villupuram), Poondi (dist Tiruvallur), Gummidipoondi (dist Tiruvallur), Sholingur (dist Ranipet), Vilupuram (dist Villupuram), Alangayam (dist Tirupattur), Kalial (dist Kanyakumari), Mambzhathuraiyaru (dist Kanyakumari), Balamore (dist Kanyakumari), Thuckalay (dist Kanyakumari), Parangipettai (dist Cuddalore), Polur (dist Tiruvannamalai), RSCL-2 Valavanur (dist Villupuram), Thiruthuraiipoondi (dist Tiruvarur), Perunchani Dam (dist Kanyakumari), Thalaigayyer (dist Nagapattinam), Suralacode (dist Kanyakumari), Chinnakalar (dist Coimbatore), Puzhal ARG (dist Tiruvallur), Vaniyambadi (dist Tirupattur), Ponneri (dist Tiruvallur), Thirparappu (dist Kanyakumari), Puthan Dam (dist Kanyakumari), Vedaranyam (dist Nagapattinam), West Tambaram ARG (dist Chengalpattu) 2 each; RSCL-2 Koliyanur (dist Villupuram), Taluk Office Pandalur (dist Nilgiris), Worth Estate Cher (dist Nilgiris), Kothavacherry (dist Cuddalore), RSCL-3 Semmedu (dist Villupuram), Kurunthancode (dist Kanyakumari), Adayamadai (dist Kanyakumari), Kottaram (dist Kanyakumari), Oothu (dist Tirunelveli), Kurinjipadi (dist Cuddalore), Kalasapakkam (dist Tiruvannamalai), Collectorate (dist Cuddalore), Thirupathisaram AWS (dist Kanyakumari), Keelpennathur (dist Tiruvannamalai), Chengam (dist Tiruvannamalai), Kodiayakarai (dist Nagapattinam), Natham (dist Dindigul), Kattumayilur (dist Cuddalore), Sholayar (dist Coimbatore), Cuddalore (dist Cuddalore), Nlumukku (dist Tirunelveli), Mukkadal Dam (dist Kanyakumari), Danishpet (dist Salem), Annavasal (dist Pudukkottai), Devala (dist Nilgiris), Panruti (dist Cuddalore), Valparai PAP (dist Coimbatore), Anaikedanku (dist Kanyakumari), Mylaudy (dist Kanyakumari), Minnal (dist Ranipet), Eraniel (dist Kanyakumari), Madavaram AWS (dist Tiruvallur), Valparai Taluk Office (dist Coimbatore), Vepur (dist Cuddalore), Basl Manampoondi (dist Villupuram), Natrampalli (dist Tirupattur), Chidambaram (dist Cuddalore), Pechiparai (dist Kanyakumari) 1 each.

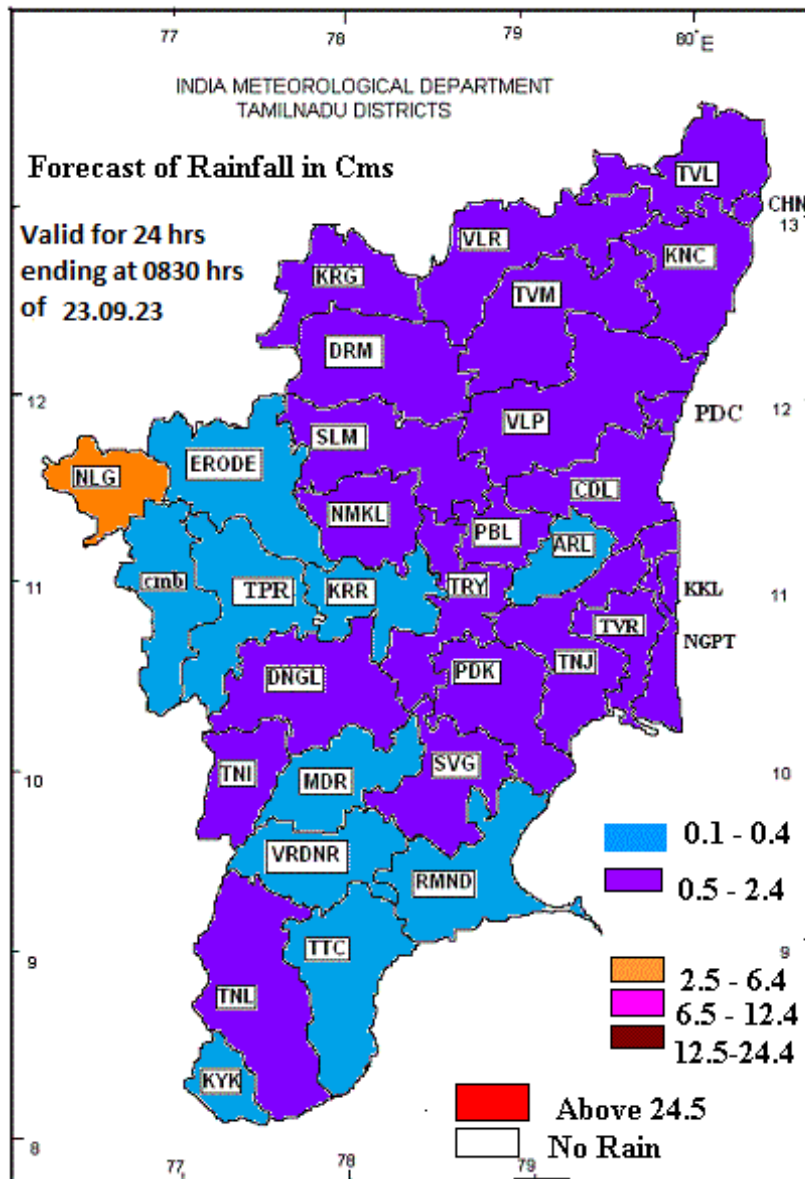
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 18.09.23
VALID FOR THE NEXT 5 DAYS**











District-wise Agromet Advisories

Chennai

SMS Advisory:

(19.09.2023) Heavy rain is likely to occur at one or two places over Kallakurichi, Villupuram, Tiruvannamalai & Chengalpattu districts of Tamilnadu.

Livestock Advisory

1. Since moderate rain is forecasted in the fourth coming week farmers are advised to tether livestock in the inside sheds, to prevent from rain water drenching.
2. The livestock must be provided with clean wholesome drinking water all round the clock.
3. To counteract over occurrence of infection during rainy season pregnant goat (adult goat) must be provided with vitamin and mineral supplementation
4. Higher air temp and relative humidity will pre dispose the rabbit to respiratory distress; to prevent this rabbitory must be maintained damp free.
5. To prevent the ammonia accumulation there must be in the Pig house, good ventilation
6. The livestock should be given dipping ones in two month to prevent exoparasitic infestation
7. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).

Kancheepuram

SMS Advisory:

(19.09.2023) Heavy rain is likely to occur at one or two places over Kallakurichi, Villupuram, Tiruvannamalai & Chengalpattu districts of Tamilnadu.

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7. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).

Agricultural advisory

Rice:

The forecasted weather may cause leaf folder infestation in rice crop. The farmers are advised to monitor the field, if symptoms are observed it's advised to spray Chlorantraniliprole 18.5% 150 ml/ha.

Groundnut:

To increase flower retention , pod filling and to induce drought tolerance apart from yield improvement , 2 sprays of groundnut rich @ 2 kg / acre(for each spray) at 35 DAS (50 % flowering) and 45 DAS (pod development stage). To provide adequate drainage facility in lowland areas.

Brinjal:

Due to day temperature sucking pest incidence may be increase. To control this, spray imidachloprid 0.3 ml/ litre. To provide adequate drainage facility in lowland areas.

Coconut:

To control red palm weevil in coconut, apply neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown. To control rhinoceros beetle, setup Rhino lure pheromone trap @ 2 traps/acre. To provide adequate drainage facility in lowland areas.

Villupuram

SMS Advisory:

(19.09.2023) Heavy rain is likely to occur at one or two places over Kallakurichi, Villupuram, Tiruvannamalai & Chengalpattu districts of Tamilnadu.

Livestock Advisory

1.Since moderate rain is forecasted in the fourth coming week farmers are advised to tether livestock in the inside sheds, to prevent from rain water drenching.

2.The livestock must be provided with clean wholesome drinking water all round the clock.

3.To counteract over occurrence of infection during rainy season pregnant goat (adult goat) must be provided with vitamin and mineral supplementation

4.Higher air temp and relative humidity will pre dispose the rabbit to respiratory distress; to prevent this rabbitory must be maintained damp free.

5.To prevent the ammonia accumulation there must be in the Pig house, good ventilation

6.The livestock should be given dipping ones in two month to prevent exoparasitic infestation

7.The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).

Agricultural advisory

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. 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.

Groundnut:

Due to prevailing weather conditions possible for thrips infestation in groundnut crop. To control spray quinalphos 25 EC 560 ml/ac. Due to prevailing weather conditions possible for leaf miner infestation in groundnut crop. To control set light trap @ 1/ha between 8 and 11 pm at ground level and spray quinalphos 25 EC 560 ml/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 emamectin 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.

Tiruvannamalai

SMS Advisory:

(19.09.2023) Heavy rain is likely to occur at one or two places over Kallakurichi, Villupuram, Tiruvannamalai & Chengalpattu districts of Tamilnadu.

Livestock Advisory

1.Since moderate rain is forecasted in the fourth coming week farmers are advised to tether livestock in the inside sheds, to prevent from rain water drenching.

2.The livestock must be provided with clean wholesome drinking water all round the clock.

3.To counteract over occurrence of infection during rainy season pregnant goat (adult goat) must be provided with vitamin and mineral supplementation

4.Higher air temp and relative humidity will pre dispose the rabbit to respiratory distress; to prevent this rabbitry must be maintained damp free.

5.To prevent the ammonia accumulation there must be in the Pig house, good ventilation

6.The livestock should be given dipping ones in two month to prevent exoparasitic infestation

7.The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).

Agricultural advisory

Rice:

Spray the TNAU Rice reap @ 3kg / acre by dissolving in 200 litre of water after adding required quantity of wetting agent at booting stage at 10days interval. It improves spikelet fertility, grain filling rate, tolerance against drought and high temperature.

Groundnut:

To increase flower retention , pod filling and to induce drought tolerance apart from yield improvement , 2 sprays of groundnut rich @ 2 kg / acre(for each spray) at 35 DAS (50 % flowering) and 45 DAS (pod development stage).

Coconut:

To control red palm weevil in coconut, apply neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown. To control rhinoceros beetle, setup Rhino lure pheromone trap @ 2 traps/acre.

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 20.09.2023 to 26.09.2023 over Tamil Nadu.

Very light to light rainfall expected in the forthcoming days. So, farmers are advised to spray insecticides or fungicides with sticking agent.

Crop(Varieties)	Crop Specific Advisory
RICE	1. Harvest the mature crops; 2. Farmers were advised to prepare nurseries for the upcoming samba season and recommended to utilize the past and prevailing weather conditions to prepare the land for cultivation; 3. Seed Treatment- Treat the seeds with talc based formulation of Bacillus subtilis 10g/kg of seed and soak in 1lit of water overnight; 4. Stem bore- Spray Azadirachtin 0.03% 400 ml (Or) Flubendiamide 20% WG 50g per acre in 200 litres of water; 5. Leaf folder- Spray Acephate 75 % SP 400 ml (Or) Spray Azadirachtin 0.03% 400ml per acre in 200 litres of water.
GROUNDNUT	The current weather conditions are conducive to the occurrence of rust in groundnuts. It is recommended to closely observe the incidence and apply either Spray mancozeb @ 400 g /acre or chlorothalonil @ 400 g /acre or wettable sulphur @ 1000 g /acre. If necessary, repeat the spray 15 days later.
BLACK GRAM	Due to prevailing weather conditions may be chance to powdery mildew incidence occur in black gram fields; Spray NSKE 5% or neem oil 3% twice at 10 days interval from initial disease symptom appearance (or) Spray 10% Eucalyptus leaf extract at initiation of the disease.
Horticulture(Varieties)	Horticulture Specific Advisory
CHILLI	1. The current weather conditions are conducive to the occurrence of Damping Off in chili. It is recommended to closely observe the incidence and Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g /kg of seeds treat with 24 hours before sowing; 2. Powdery mildew- Spray wettable sulphur @ 3 g/l (or) carbendazim @ 1 g/l three sprays at 15 days interval from the first appearance of symptoms.
BRINJAL	Due to prevailing weather conditions may be chance to Powdery mildew incidence occurrence in brinjal fields to control Spray wettable sulphur @ 3 g/l (or) carbendazim @ 1 g/l three sprays at 15 days interval from the first appearance of symptoms.
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.
GUAVA	Due to prevailing weather conditions may be chance to Algal leaf spot infestation occurrence in guava fields to control can be reduced by maintaining tree vigor with cultural techniques such as i). proper fertilization and irrigation, proper pruning to enhance air circulation within the canopy and sunlight penetration, managing weeds and wider tree spacing; ii). Spray Copper oxychloride 0.25%.

Vellore

As per the IMD extended range forecast (ERF), Above normal rainfall and normal temperature is likely over Tamil Nadu and Puducherry during September 20th to 26th 2023. Prevailing weather condition is favorable for pest/disease incidence for all crops. Farmers are advised to monitor their field and take necessary plant protection measures based on symptoms of damage. Very light to light rainfall expected in the forthcoming days. So, farmers are advised to spray insecticides or fungicides with sticking agent.

Crop(Varieties)	Crop Specific Advisory
RICE	Spray the TNAU Rice reap @ 3kg / acre by dissolving in 200 litre of water after adding required quantity of wetting agent at booting stage at 10days interval. It improves spikelet fertility, grain filling rate, tolerance against drought and high temperature. To control thrips incidence in rice, spray azadiractin 600-1000ml/acre or thiamethoxam 40g/acre.
GROUNDNUT	To increase flower retention , pod filling and to induce drought tolerance apart from yield improvement , 2 sprays of groundnut rich @ 2 kg / acre(for each spray) at 35 DAS (50 % flowering) and 45 DAS (pod development stage).
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	To control red palm weevil in coconut, apply neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown. To control rhinoceros beetle, setup Rhino lure pheromone trap @ 2 traps/acre.
BANANA	High wind speed (>10 kmph) is expected on forthcoming days, so prop up 5 month old banana trees. To control sigatoka leaf spot, spray 3 times with Carbendazim 0.1 per cent or Propiconazole 0.1 % or Mancozeb 0.25% and teepol (sticking agent) at 10-15 days interval, as the disease starting from initial appearance of leaf specks.
PAPAYA	To control yellow mosaic virusin papaya, spray Imidachloprid @ 0.01% or neem oil 3% or NSKE 5%.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	If dairy exotic cattle when kept for grazing in open field they will be affected with Heat stress Froathy salivation, rapid respiration higher body temperature , loss of milk production , abortion are the sighs. This can be prevented by drenching (administering) 20 gram of amino biotic mix in 1 liter of water. This can be given daily during summer period in dairy cattle otherwise Liquid Vita Booster can be drenched at 20 ml at morning and 20 ml evening.
GOAT	In organic livestock farming the deworming of sheep and goat can be done by oral application of Herbal anthelmintic bolus namely Bolus wormolex-H.S one Bolus at morning, one Bolus at evening can be given for three consecutive days. This can be repeated once in two months.
Poultry(Varieties)	Poultry Specific Advisory

CHICK	Due to higher temperature at day in broiler or after transport action of grower chicks or adult birds they will prone to heat stroke. The birds will respirator with second, body temperature will be more and death will occur due to heat stroke. To prevent heat stroke liquid Vita Booster at 15 ml / 100 birds can be given mixing with drinking water at 9 am to 5.00 pm.
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Cuddalore

From extended range forecast above normal rainfall, normal minimum temperature and maximum temperature expected for the period of 20.09.2023 to 26.09.2023 over Tamil Nadu. Light rainfall will be expected in the forthcoming days, so farmers are advised to harvest the matured crops and stored in godown.

Crop(Varieties)	Crop Specific Advisory
PEARL MILLET	Cumbu crops are under maturity stage. Light rainfall will be expected in the forthcoming days, so farmers are advised to harvest the matured crops and stored in godown.
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.
GROUNDNUT	Due to prevailing weather conditions possible for leaf miner infestation in groundnut crop. To control set light trap @ 1/ha between 8 and 11 pm at ground level and spray quinalphos 25 EC 560 ml/ac.
SUGARCANE	Crown mealy bug and pokkah boeng 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. 1. Sett treatment - carbendazim 50 WP @ 2 g/lit for 30 min & imidacloprid 70 WS @ 1.5 ml/lit. for 5 min before planting, 2. Monitor ant movement in the border rows at regular intervals, 3. 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. 4. 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 5. Ratoon cropping should be discouraged after two ratooning in the endemic areas
MAIZE	1. Maize growing farmers the fall army worm infection apply neem cake @ 250 kg/ha (farmer contribution) 2. Seed treatment with cyantraniliprole 19.8% + thiamethoxam 19.8 FS @ 4.0 ml/kg seed 3. Border cropping with gingelly or cowpea or sorghum 4. Installation of pheromone traps @ 12 nos./ha 5. 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) 6.

Application of emamectin 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.
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Coimbatore

Agro Advisory

Crop	Stage	Advisory
General	CET	Light rainfall alone is expected with high wind speed of 8 - 20 km/ hr during next five days in western zone districts. The Coimbatore and Tiruppur districts may have very high windspeed (>14km/hr). 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.
Rice	CE Sowing	Considering the optimum weather, Samba season rice planting may be continued. Due to high wind speed tip drying of leaves is observed in rice crop by collision of leaves not by disease. Hence spraying of chemicals is not required. Considering the dry spell Kar planted rice may be harvested during this week.
Sorghum	Harvest	Since only light drizzling is expected in forth coming days, sorghum/ millets and groundnut may be harvested and sun dried.
Sugarcane	CET Vegetative	Since rainfall with squally wind is expected, dethrash and propping in five months old sugarcane crop is recommended against the lodging.
Cotton	Flowering CET	To avoid the flower shedding in cotton, spray 40 PPM NAA in 60 - 90 days after sowing. (40 mg of NAA dissolved in 1 liter of water will give the concentration of 40 PPM). To arrest the terminal growth nipping the terminal portion of the main stem beyond the 15 th node is advised.
Banana	CET Above 5 months old	Rain fall with 14-16 km/hour wind speed may cause lodging in banana. Provide support to five months and above old banana. 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	CE Vegetative	Prevailing high relative humidity and wind speed would spread the spores of turmeric leaf spot from endemic area. Spray Mancozeb @ 1 kg/ha or copper oxy chloride @ 1.25 kg/ha. In some pockets of turmeric, prevailing continuous dry weather is favorable for the thrips attack and hence farmers are requested to monitor the crop carefully and spray dimeothate @ 2ml per liter of water.
Animal Husbandry		Water stagnation must be avoided in animal shed against mosquito.

SMS advisory

Since light drizzling is alone expected in forth coming days, millets and groundnut may be harvested and sun dried.

Erode

Agro Advisory

Crop	Stage	Advisory
General	CET	Light rainfall alone is expected with high wind speed of 8 - 20 km/ hr during next five days in western zone districts. The Coimbatore and Tiruppur districts may have very high wind speed (>14km/hr). 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.
Rice	CE Sowing	Considering the optimum weather, Samba season rice planting may be continued. Due to high wind speed tip drying of leaves is observed in rice crop by collision of leaves not by disease. Hence spraying of chemicals is not required. Considering the dry spell Kar planted rice may be harvested during this week.
Sorghum	Harvest	Since only light drizzling is expected in forth coming days, sorghum/ millets and groundnut may be harvested and sun dried.
Sugarcane	CET Vegetative	Since rainfall with squally wind is expected, dethrash and propping in five months old sugarcane crop is recommended against the lodging.
Cotton	Flowering CET	To avoid the flower shedding in cotton, spray 40 PPM NAA in 60 - 90 days after sowing. (40 mg of NAA dissolved in 1 liter of water will give the concentration of 40 PPM). To arrest the terminal growth nipping the terminal portion of the main stem beyond the 15 th node is advised.
Banana	CET Above 5 months old	Rain fall with 8-10 km/hour wind speed may cause lodging in banana. Provide support to five months and above old banana. 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	CE Vegetative	Prevailing high relative humidity and wind speed would spread the spores of turmeric leaf spot from endemic area. Spray Mancozeb @ 1 kg/ha or copper oxy chloride @ 1.25 kg/ha. In some pockets of turmeric, prevailing continuous dry weather is favorable for the thrips attack and hence farmers are requested to monitor the crop carefully and spray dimeothate @ 2ml per liter of water.
Animal Husbandry		Water stagnation must be avoided in animal shed against mosquito.

SMS advisory

Since light drizzling is alone expected in forth coming days, millets and groundnut may be harvested and sun dried.

Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		Light rainfall alone is expected with high wind speed of 8 - 20 km/ hr during next five days in western zone districts. The Coimbatore and Tiruppur districts may have very high windspeed (>14km/hr). 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.
Sorghum	Harvest	Since only light drizzling is expected in forth coming days, sorghum/ millets and groundnut may be harvested and sun dried.
Sugarcane	Vegetative	Since rainfall with squally wind is expected, dethrash and propping in five months old sugarcane crop is recommended against the lodging.
Cotton	Flowering	To avoid the flower shedding in cotton, spray 40 PPM NAA in 60 - 90 days after sowing. (40 mg of NAA dissolved in 1 liter of water will give the concentration of 40 PPM). To arrest the terminal growth nipping the terminal portion of the main stem beyond the 15th node is advised.
Banana	Above 5 months old	Rain fall with 16-20 km/hour wind speed may cause lodging in banana. Provide support to five months and above old banana. 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.
Animal Husbandry		Water stagnation must be avoided in animal shed against mosquito.

SMS advisory

Since light drizzling is alone expected in forth coming days, millets and groundnut may be harvested and sun dried.

Nilgiris

To manage Fusarium wilt in carnation, soil drenching with carbendazim @ 0.1 % or difenoconazole @ 0.05% or Pseudomonas fluorescens as soil application @ 25 g/m² and foliar application @ 0.5 % at monthly intervals or soil drenching with Bacillus amyloliquefaciens @ 0.5 % at monthly intervals is recommended. To manage leaf spot in carrot crop, foliar application of mancozeb @ 2 g/l is recommended.

Horticulture(Varieties)	Horticulture Specific Advisory
TEA	To manage Blister blight in tea crop, Spray hexaconazole @ 200 ml + copper oxychloride @ 210 g/ha at 5 days interval or copper oxychloride @ 210 g + propiconazole @ 200 ml/ha at 10 days interval
BANANA	Soil application of FYM @ 10 kg + Neem cake @ 1.25 kg as basal; Vermicompost @ 5 kg after 3 months of planting and Wood ash @ 1.75 kg / plant after 5 months of planting; Triple green manuring with sunhemp (one time) and Cowpea (two times) + biofertilizers viz., Arbuscular mycorrhiza (AM) @ 25g, Azospirillum @ 50 g, Phosphate solubilizing bacteria (PSB) @ 50 g and Trichoderma harzianum @ 50 g/ plant is recommended for organic cultivation of banana.

Nilgiris Block level

Coonoor, Gudalur, Kotagiri and Ooty Blocks

To manage Fusarium wilt in carnation, soil drenching with carbendazim @ 0.1 % or difenoconazole @ 0.05% or Pseudomonas fluorescens as soil application @ 25 g/m² and foliar application @ 0.5 % at monthly intervals or soil drenching with Bacillus amyloliquefaciens @ 0.5 % at monthly intervals is recommended. To manage leaf spot in carrot crop, foliar application of mancozeb @ 2 g/l is recommended.

Horticulture(Varieties)	Horticulture Specific Advisory
TEA	To manage Blister blight in tea crop, Spray hexaconazole @ 200 ml + copper oxychloride @ 210 g/ha at 5 days interval or copper oxychloride @ 210 g + propiconazole @ 200 ml/ha at 10 days interval
BANANA	Soil application of FYM @ 10 kg + Neem cake @ 1.25 kg as basal; Vermicompost @ 5 kg after 3 months of planting and Wood ash @ 1.75 kg / plant after 5 months of planting; Triple green manuring with sunhemp (one time) and Cowpea (two times) + biofertilizers viz., Arbuscular mycorrhiza (AM) @ 25g, Azospirillum @ 50 g, Phosphate solubilizing bacteria (PSB) @ 50 g and Trichoderma harzianum @ 50 g/ plant is recommended for organic cultivation of banana.

Ariyalur, Karur, Nagapattinam, Perambalur, Thanjavur and Tiruvarur

Agro Advisory

Crop	Stage	Advisory
Rice	Nursery	Prepare nursery for Thaladi rice cultivation by utilizing the expected rain.
		Spread rice straw over nursery bed to avoid scattering of sown seeds due to expected rain.
Cotton	Harvest	Considering expected rainfall, pick the matured cotton boles before rain.
Banana		Provide support with wooden poles to avoid lodging of tree due to rain and wind.

Cattle	Cow and Goat	This situation is favorable for the development of Aflatoxin infection in the Corn kernels and Paddy Straw, which may affect the health of the cattle. To save them from infection, dry the Corn kernels and Paddy Straw before feeding.
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SMS advisory

Spread rice straw over nursery bed to avoid scattering of sown seeds due to expected rain.

Dindigul

SMS Advisory	Chances of Moderate rain during 19, 22, 23 Sep & light rain on 20, 21 Sep. Maximum temperature would be in the range of 36°C to 38°C and the minimum temperature would be between 24°C - 26°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 6-8 Kmph from, West direction.
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General Advisory:

Since cloudy sky with humid weather is prevailing, farmers are advised to use the Blue sticky trap to monitor the aphids, leaf miners and the yellow sticky trap to monitor the incidence of other sucking pests.

Light to Moderate rain with thunderstorm & lightning is likely to occur at one or two places over district during 19th, 20th 21st, & 22th September 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: (Lablab, Maize & Animal Husbandry).

Lablab:

The chances of incidence of Leaf hopper in LabLab crop. The symptoms are, leaves mottle and yellowish in colour, Green colour insects found in the under surface of leaves. Spray the infested crop with E1mamectin @ 1gm per litre of water. Plant protection activities can be done, only on non-rainy days.

Maize:

The application of micronutrients will rectify the nutrient deficiency in Maize Cultivation. Farmers who have planted maize recently can apply 5kg of Millet nutrient mixture or 10Kg of ZnSo4 /acre. Also, apply Farm Yard Manure along with 2kgs of Azosphirillum and 2kgs of Phosphobacteria per acre. Plant protection activities can be done, only on non-rainy days.

Animal Husbandry:

To protect the livestock from thunderstorms and lightning Farmers are requested to avoid grazing the animals during rains, particularly grazing sheep and goats in the flock which are more prone to lightning shock.

Farmers should avoid tethering animals near barbed wire fencing posts and trees.

Trees near the animal sheds should be pruned to avoid accidental falls during heavy wind.

Further trees like rain trees and vathanarayanan are more prone to uprooting. More chance of lightning near hilly areas and undulated landscapes than in plains.

For fences with wooden poles and metal wires, it is advisable to check the condition of the buried parts at most once in 5 years and do the necessary replacement before the thunderstorm season begins.

Madurai

SMS Advisory	Chances of light rain during 19, 20, 22, 23 Sep & Moderate rain on 21 Sep. Maximum temperature would be in the range of 36°C to 38°C and the minimum temperature would be between 24°C - 26°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 4-6 Kmph from, South & Southwest directions.
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General Advisory:

Since cloudy sky with humid weather is prevailing, farmers are advised to use the Blue sticky trap to monitor the aphids, leaf miners and the yellow sticky trap to monitor the incidence of other sucking pests.

Light to Moderate rain with thunderstorm & lightning is likely to occur at one or two places over district during 19th, 20th 21st, & 22th September 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: (Jasmine, Paddy & Animal Husbandry).

Jasmine:

The incidence of sucking pests is noticed in Rose, Jasmine and Tuberose crops.

This pest affects all the stages of the crop.

To control Sucking pests spraying of Prophenophos @ 2 ml per litre of water is recommended.

Paddy:

The incense of Rice horned caterpillar noticed in Paddy. The Larva feeds on leaf blades of rice. Leaves are defoliated from the margin or tip irregularly. To control this, drain the excess water from the field. To manage this pest, foliar spray of Emamectin Benzoate @ 6gms per tank or Flubendiamide @ 20ml per acre is recommended.

Animal Husbandry:

To protect the livestock from thunderstorms and lightning Farmers are requested to avoid grazing the animals during rains, particularly grazing sheep and goats in the flock which are more prone to lightning shock.

Farmers should avoid tethering animals near barbed wire fencing posts and trees.

Trees near the animal sheds should be pruned to avoid accidental falls during heavy wind.

Further trees like rain trees and vathanarayanan are more prone to uprooting. More chance of lightning near hilly areas and undulated landscapes than in plains.

For fences with wooden poles and metal wires, it is advisable to check the condition of the buried parts at most once in 5 years and do the necessary replacement before the thunderstorm season begins.

Pudukottai

It is expected to receive rainfall in forthcoming days. Hence the vegetable and fruit and flower farmers are requested to do top dressing of manure and then earthing up operation. Gap filling may be done if already crop is sown.

Crop(Varieties)	Crop Specific Advisory
MAIZE	Due to the heavy rains of the last week and the continuous monsoon, the required rainfall is expected in due course. Preparation of land for sowing of rainfed maize. Field Preparation Chisel the soil having hard pan formation at shallow depths with chisel plough at 0.5 M interval first in one direction and then in the direction perpendicular to the previous one once in three years. Apply 12.5 t/ha of FYM or compost or composted coir pith besides chiselling, to get an additional yield of about 30% over control. Seed Rate Select good quality seeds. Adopt the seed rate @ 20 kg/ha for hybrids and 25 kg/ha. for varieties.
BLACK GRAM	Farmers are advised to take up showing on high yielding green gram variety (VBN-3and / VBN - 4) and black gram variety (VBN - 8 and VBN 10) with availablemoisture on receipt of Seed treatment with Trichoderma viridae 4g/kg of seed (or)Pseudomonas fluorescens 10 g/kg of seed will be effective against root rot disease in black gram.
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Management of Rhinoceros Beetle in coconut. 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.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	To protect the desi birds from coccidiosis during south Northeast monsoon monsoon in deep litter system of rearing, litter should be kept dry and hygienic.

Ramanathapuram

From extended range forecast, above normal rainfall, normal maximum and minimum temperature expected for the period of September 20 to September 26 over Tamil Nadu. Farmers are advised to apply 200 kg of gypsum per acre at the time of last ploughing for better growth of crop.

Crop(Varieties)	Crop Specific Advisory
RICE	Farmers are advised to sown short duration and drought tolerant rice varieties like Thirurkuppam 15, Aduthurai 53, Coimbatore 53 and Coimbatore 55.
RICE	Farmers are advised to harden the seed in case of rain fed direct sowing of paddy. For seed hardening, one kg of seed should be soaked in a one per cent potassium chloride solution (10 g in a liter of water) for 16 hours and then dried in the shade until it returns to its original moisture content.
RICE	In case of rain fed direct seeding of paddy, the use of mechanized sowing facilitate the possibility of maintaining the proper depth, spacing and minimize the crop loss due to dry spell.
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	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.
Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory
RAIN WATER HARVESTING	Farmers are advised to repair the water channels, farm ponds and other water bodies to harvest the rain water.

Sivagangai

SMS Advisory	Chances of light rain during 19, 20, 21, 22 & 23 Sep. Maximum temperature would be in the range of 36°C to 38°C and the minimum temperature would be between 24°C - 26°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 10-14 Kmph from, South direction.
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General Advisory:

Since cloudy sky with humid weather is prevailing, farmers are advised to use the Blue sticky trap to monitor the aphids, leaf miners and the yellow sticky trap to monitor the incidence of other sucking pests.

Light to Moderate rain with thunderstorm & lightning is likely to occur at one or two places over district during 19th, 20th 21st, & 22th September 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: Paddy, Onion & Animal Husbandry)

Paddy:

Since some amount of rainfall is received in the past few days, farmers can plan for sowing/planting, and for the paddy nursery raised in low nutrient soil, it is best to apply the DAP to the seedlings, 10 days before transplanting. Transplanting within 10 days will give good results.

Onion:

The symptom of micronutrient (Zinc) deficiency is appearing in the Onion fields. Due to this deficiency, plant growth gets restricted. Leaves turn yellow in colour with strips and bend. To rectify this deficiency, foliar spray of 50gm of ZnSO₄ twice at fortnight intervals is recommended.

Animal Husbandry:

To protect the livestock from thunderstorms and lightning Farmers are requested to avoid grazing the animals during rains, particularly grazing sheep and goats in the flock which are more prone to lightning shock.

Farmers should avoid tethering animals near barbed wire fencing posts and trees.

Trees near the animal sheds should be pruned to avoid accidental falls during heavy wind.

Further trees like rain trees and vathanarayanan are more prone to uprooting. More chance of lightning near hilly areas and undulated landscapes than in plains.

For fences with wooden poles and metal wires, it is advisable to check the condition of the buried parts at most once in 5 years and do the necessary replacement before the thunderstorm season begins.

Theni

SMS Advisory	Chances of Moderate rain on 19, 21 Sep & light rain during 20, 22, 23 Sep. Maximum temperature would be in the range of 30°C to 31°C and the minimum temperature would be between 21°C - 22°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 8-10 Kmph from, West direction.
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General Advisory:

Since cloudy sky with humid weather is prevailing, farmers are advised to use the Blue sticky trap to monitor the aphids, leaf miners and the yellow sticky trap to monitor the incidence of other sucking pests.

Light to Moderate rain with thunderstorm & lightning is likely to occur at one or two places over district during 19th, 20th 21st, & 22th September 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: (Jackfruit, Snake gourds & Animal Husbandry)

Jackfruit:

Jackfruit cultivators are advised to apply fertilizers to Jack breeds as follows. For well matured trees, after harvest, apply Urea @ 1650gm, Superphosphate @ 2220gm, Potash @ 850gm and Farmyard Manure @ 50kg.

Cotton:

Due to the prevailing wet weather conditions, the incense of sucking pests can be seen in Cotton, the symptoms are leaves curling upwards and appearing in yellow colour and the growth of the plant will also be affected due to this. To control this, a foliar spray of 10gms of Metarhizium and 10gms of Verticelium per litre of water is recommended. Also, place five yellow sticky traps at a height of half feet above the crop height with a 5 to 10 metres gap. Plant protection activities can be done only on non-rainy days.

Animal Husbandry:

To protect the livestock from thunderstorms and lightning Farmers are requested to avoid grazing the animals during rains, particularly grazing sheep and goats in the flock which are more prone to lightning shock.

Farmers should avoid tethering animals near barbed wire fencing posts and trees.

Trees near the animal sheds should be pruned to avoid accidental falls during heavy wind.

Further trees like rain trees and vathanarayanan are more prone to uprooting. More chance of lightning near hilly areas and undulated landscapes than in plains.

For fences with wooden poles and metal wires, it is advisable to check the condition of the buried parts at most once in 5 years and do the necessary replacement before the thunderstorm season begins.

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	Since light rainfall is expected in the forthcoming days, so during insecticide or herbicide spraying use sticking agent.
Bhendi /orkra/ brinjal:	Vegetative stage	To manage red spider mite spray wettable sulphur 80 wg at 40g per acre or propargite 57 ec at 400 ml per acre.
Crops	General	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 P. fluorescens @ 1g/kg or Baciliussubtiliusbefore sowing of crop can control the incidence root rot diseases
Brinjal:	Vegetative stage	Brinjal- Shoot and Fruit borer. Remove the affected terminal shoot showing boreholes and affected fruits and destroy.Install pheromone trap@12/ha. Neem seed kernel extract (NSKE) 5 % orSpray any one of the following chemicals starting from one month after planting at 15 days intervalAzadirachtin 1.0% EC @ 3.0 ml/lit or Emamectin benzoate 5 % SG @ 4 g/10 lit. or Flubendiamide 20 WDG @ 7.5 g/10 lit.
Goat	General	Don't allow sheep and goat to graze near local water bodies duly this season to avoid internal parasitic infestation. Farmers are advised to not allow the animals graze on fresh pasture.
Cow	Vegetative stage	Prevailing moist climate is conducive for mastitis infection in milch animals. Hence, clean the udder with 1% KMnO4 before and after milking
Sheep and Goat	General	Breeding management for sheep and goats The breeding season for sheep and goats starts from July to October when the seasonal rainfall starts. Breeding of ewes and does depends on feed and season. During this season, the feeding of ewes and does (flushing) increases more number of ewes and does to attain heat and breed so that there will be more number of multiple births in does and uniform size lambs and kids crop.

Namakkal

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	<p><u>Worm Parasites and their control in Small ruminants and Calves</u></p> <p>Due to south west monsoon rains in Tamil Nadu, the micro environment for survival of infective stage of strogyle nematodes and grassmite intermediate host for tapeworms would be very congenial and hence susceptible, particularly young animals likely to get infected. The affected stocks will have the symptoms of anorexia, stunted growth, diarrhoea, anaemia and submandibular oedema in haematophagus nematode infection, while in severe cases mortality may occur, resulting in economic losses to the farming community. To prevent this economic losses associated with worm burden, faecal samples may be screened and infected animals may be dewormed. Avoid taking the animals for grazing in the early morning.</p>
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Banana	General	KVK, Namakkal entered in to MoA with National Research Centre for Banana, Trichy and got TOT for Banana Shakti micronutrient formulation. Since April 2022 KVK, Namakkal has started producing and selling Banana Shakti. Hence, banana growers are advised to purchase Banana Shakti from KVK, Namakkal on cost basis @ Rs. 250 / kg.
Maize	Vegetative stage	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.
Turmeric	Vegetative stage	Turmeric growers are requested to give foliar spraying with turmeric booster @ 5 gram / litre of water twice at 60 and 90 days after planting.
Mulberry	General	Apply 2 kg zinc sulphate enriched with 20 kg well decomposed farmyard manure after harvesting of mulberry leaves as basal dose. 10 – 15 days after harvesting apply azospirillum @ 8 kg / acre in 5 equal splits and 4 kg of phosphobacteria in 2 equal splits after 1 st and 3 rd harvesting of mulberry leaves.
Paddy	Transplantig period	Paddy growing farmers are requested to apply recommended dose of granulated urea as basal dose at the time of transplanting of paddy. To fulfil the requirements of nitrogen give foliar spraying with nano urea @ 500 ml / acre in two equal splits at 20 – 25 days after planting and 40 to 50 days after transplanting of paddy crop.

Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

Crop	Advisory
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.
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).
Tomato	Bacterial wilt- High soil moisture. Rapid and complete wilting of plant. Lower leaves drop before wilting. Yellow brown discolouration of tissues. White bacterial ooze from cut ends. Drenching with bleaching powder @ 10 kg / ha.
Jasmine	Jasmine Budworm symptoms of damage Caterpillar makes hole on the flower bud and feeds on the inner content. Larva attacks 2 -3 buds Petals are eaten by the larvae for control measures Collect and destroy the damaged buds with larvae Use light trap to attract and kill the adult moths Spray NSKE 5% or Thiochlorbrid 240 SC @ 1 ml /litre.
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.
Coconut	Coconut -Leaf Eating Caterpillar/ Black Headed Caterpillar- The coconut trees of all ages are attacked. Dried up patches on leaflets of the lower leaves, only three or four youngest leaves at the center of the grown remain green. Galleries of silk and frass on underside of leaflets. In case of severe infestation the whole plantations present a scorched appearance for control measures Removal of highly infested lower fronts and burning, Release of Braconid parasitoid &.Keeping light trap at 6.30 pm to 7.30 to attract and kill adult moths.
Goat and Sheep	Enterotoxaemia: A Bacterial disease causing severe illness and mortality in all ages of sheep. Occurrence is more common after rainy season. Clinical Signs: Young lambs die suddenly without any symptoms. Severe stomach pain, Diarrhoea, difficulty in breathing, convulsions before death may be observed in some animals. Prevention: Young animals should be vaccinated at 6 weeks of age and revaccination should be done every year prior to rainy season. Restrict the animals to young succulent grass pasture immediately after rainy season. Avoid sudden change in the feed.
Cow	Mastitis in high yielding cows: Mastitis in a very common problem in high yielding cows caused mainly by bacterias in unhygienic farm conditions. Ethnoveterinary 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.
General	
Goat and Sheep	In Livestock (Sheep and goat) - To increase the body weight it is recommended to give TANUVAS mineral salt mixture daily 5gm supplement with concentrated feed.

cow	Ecto parasite in livestock Management of ticks in livestock will prevent haemoprotozoan disease, it can be controlled by spraying of Nano Methicone spray on the animal body
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Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

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

Agro Advisory

Crop/livestock	Stage/Particulars	Agro Advisory
Rice	Rice varieties	Medium duration rice varieties like ADT 38, ADT 39, ADT 46, CO 50, CO 52, TKM 13, TRY 3 and KKLR 2 may be adopted for ensuing late Samba or Thaladi season.
	Dry seed treatment	Mix the seeds with Captan or Thiram 24 hrs before sowing @ 4g/kg of seed. This dry seed treatment gives protection to the seedlings up to 40 days from seedling disease such as blast and brown spot.
	Sowing	For direct seeded rice, sowing may be done upto 30th September.
	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	Paddy straw enriching	Urea enriched paddy straw can be prepared in dry days of this month and it can be used for cattle from rainy season to end of winter season. (To enrich 100 kg of paddy straw, dissolve 4 kg urea in 65 litres of water and sprinkle prepared urea solution over the paddy straw and cover it. After 21 days the urea treated paddy straw can be used for feeding).
	Liver Fluke	There is a possibility that livestock may be affected by liver flukes spread by snails through the grasses that have grown in the rains of the past week. Avoid grazing of animals in the early morning and late evening as grasses are wet. Hence, allow the cattle to graze after the grass dries up due to sun shine.

SMS: As moderate rain is expected for next five days, prepare the land and take up rice sowing.

