



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

## **DISTRICT LEVEL**

# **Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 068/2021**

For the period 0830 IST, 24<sup>th</sup> August 2021 to  
0830 IST, 29<sup>th</sup> August 2021

**Issued on Tuesday, 24<sup>th</sup> August 2021**

Issued by

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

## Agro climatic zones of the state

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



## Past Weather Summary for the period 19.08.21 to 23.08.21 for the State of Tamilnadu & Puducherry

### Temperature:

Maximum Temperature of range **27°C – 37°C** prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range **17°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 **10°C - 12°C** during the same period.

### Spatial distribution of Rainfall

Spatial distribution of Rainfall	Date	Area
Widespread (Most places)	22.08.21	Puducherry
Fairly widespread (Many places)	--	--
Scattered (Few Places)	19.08.21, 22.08.21 & 23.08.21 19.08.21, 21.08.21 & 23.08.21	Tamil Nadu
Isolated (One or two Places)	20.08.21 & 21.08.21	Tamil Nadu
Dry	20.08.21	Puducherry

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

**19.08.21:** Valparai Pto (dist Coimbatore) 9, Chinnakallar (dist Coimbatore) 8, Sholayar (dist Coimbatore) 7, Chincona (dist Coimbatore) Pandalur (dist Nilgiris) 6 each, Avalanche (dist Nilgiris), Thanjavur (dist Thanjavur) 4 each, Naduvattam (dist Nilgiris), Upper Bhavani (dist Nilgiris) , Tiruchirapalli Airport (dist Trichy) , Thanjavur Pto (dist Thanjavur) , Valparai Taluk Office (dist Coimbatore) , Tiruvadana (dist Ramanathapuram) , Pennagaram (dist Dharmapuri) , Wood Braiyar estate (dist Nilgiris), Devala (dist Nilgiris) 3 each, Chettikulam (dist Perambalur) , Ambattur (dist Tiruvallur) , Omalur (dist Salem) , Ayyampettai (dist Thanjavur) , Thekkadi (dist Theni) , Ponmalai (dist Trichy) , Emerald (dist Nilgiris) , G Bazar (dist Nilgiris) , Periyar (dist Theni) 2 each, Yercaud (dist Salem) , Vathalai Anaicut (dist Trichy) , Gandarvakottai (dist Pudukkottai) , Paramakudi (dist Ramanathapuram) , Sankaridurg (dist Salem) , Mayanur (dist Karur) , Salem (dist Salem) , Musiri (dist Trichy) , Gudalur (dist Theni) , Tirukattupalli (dist Thanjavur) , Krishnarayapuram (dist Karur) , Pappireddipatti (dist Dharmapuri) , Thenkasi (dist Tenkasi), K Bridge (dist Nilgiris) , Valangaiman (dist Tiruvarur) , Aduthurai Aws (dist Thanjavur) , Padalur (dist Perambalur) , Samayapuram (dist Trichy) , Lalgudi (dist Trichy) , Perunchani Dam (dist Kanyakumari) , Dharmapuri Pto (dist Dharmapuri) , Harur (dist Dharmapuri) , Ayikudi (dist Tenkasi) , Udhagamandalam (dist Nilgiris) 1 each.

**20.08.21:** Kelambakkam (dist Chengalpattu) 5, Thirupporur (dist Chengalpattu) 4, Tambaram (dist Chengalpattu) , Uthiramerur (dist Kancheepuram) 3 each, Ambur (dist Tirupattur), Vandavasi (dist Tiruvannamalai), Chinnakalar (dist Coimbatore) 2 each, Kalavai Aws (dist Ranipet) , Chittampatti (dist Madurai) , Maduranthagam (dist Chengalpattu) , Vadapudupattu (dist Tirupattur) , Sriperumbudur (dist Kancheepuram) , Sholayar (dist Coimbatore) , Dgp Office (dist Chennai) , Kaveripakkam (dist Ranipet) , Chennai Ap (dist Chennai) , Mettupatti (dist Madurai) , Alandur (dist Chennai) , Cheyyar (dist Tiruvannamalai) , Mgr Nagar (dist Chennai) , Chengalpattu (dist Chengalpattu) , Uthukottai (dist Tiruvallur) , Sholinganallur (dist Chennai) , Vellore (dist Vellore) , R.k.pet (dist Tiruvallur) , Kancheepuram (dist Kancheepuram) 1 each.

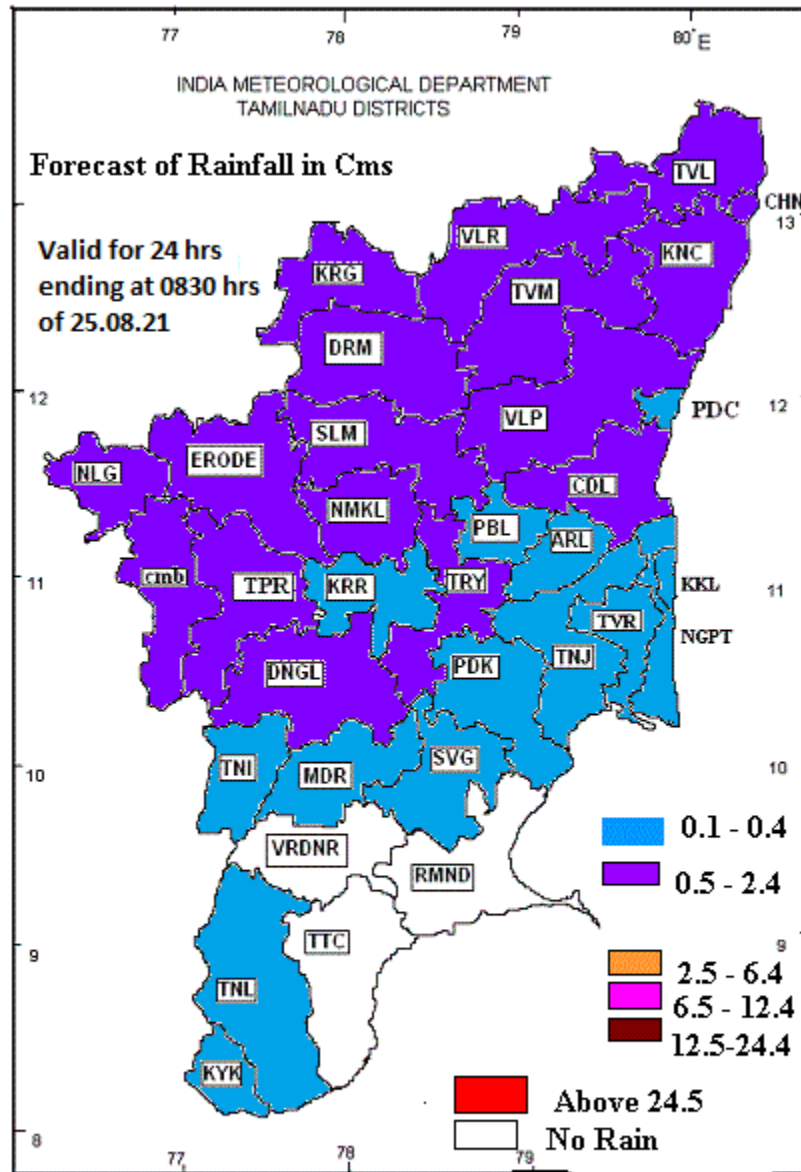
**21.08.21:** Yercaud (dist Salem), Polur (dist Tiruvannamalai) 10 each. Kalasapakkam (dist Tiruvannamalai) 9, Chengam (dist Tiruvannamalai) 8, Erode (dist Erode) , Mylam Aws (dist Villupuram) , Puzhal Arg (dist Tiruvallur) 6 each. Sathanur Dam (dist Tiruvannamalai) , Puducherry (dist Puducherry) , Penucondapuram (dist Krishnagiri) , Marakkanam (dist Villupuram) , Ponmalai (dist Trichy) , Pandalur (dist Nilgiris) 5 each. Sankarapuram (dist Kallakurichi) , Tirumangalam (dist Madurai) , Palacode (dist Dharmapuri) , Sankaridurg (dist Salem) , Samayapuram (dist Trichy) 4 each. Kayathar Arg (dist Toothukudi) , Thandampettai (dist Tiruvannamalai) , Pappireddipatti (dist Dharmapuri) , Salem (dist Salem) , Trp Ap (dist Trichy) , Cuddalore (dist Cuddalore) , Vanur (dist Villupuram) , Vilupuram (dist Villupuram) , Tirupathur Pto (dist Tirupattur) 3 each. Kayathar (dist Toothukudi) , Keelpennathur (dist Tiruvannamalai) , Gingee (dist Villupuram) , Tiruvannamalai (dist Tiruvannamalai) , Kovilpatti Aws (dist Toothukudi) , Pochampalli (dist Krishnagiri) , Padalur (dist Perambalur) , Barur (dist Krishnagiri) , Cheyyur (dist Chengalpattu) , Tindivanam (dist Villupuram) , Ramanathapuram (dist Ramanathapuram) , Sattur (dist Virudhunagar) , Vathalai Anaicut (dist Trichy) 2 each. Tirupattur (dist Tirupattur), Veppanthattai (dist Perambalur) , Peraiyur (dist Madurai) , Virudhunagar (dist Virudhunagar) , Devala (dist Nilgiris) , Trp Town (dist Trichy) , Kallakurichi (dist Kallakurichi) , Airport Madurai (dist Madurai) , G Bazar (dist Nilgiris) , Virudunagar Aws (dist Virudhunagar) , Dharmapuri Pto (dist Dharmapuri) , Periyanaickenpalayam (dist Coimbatore) 1 each.

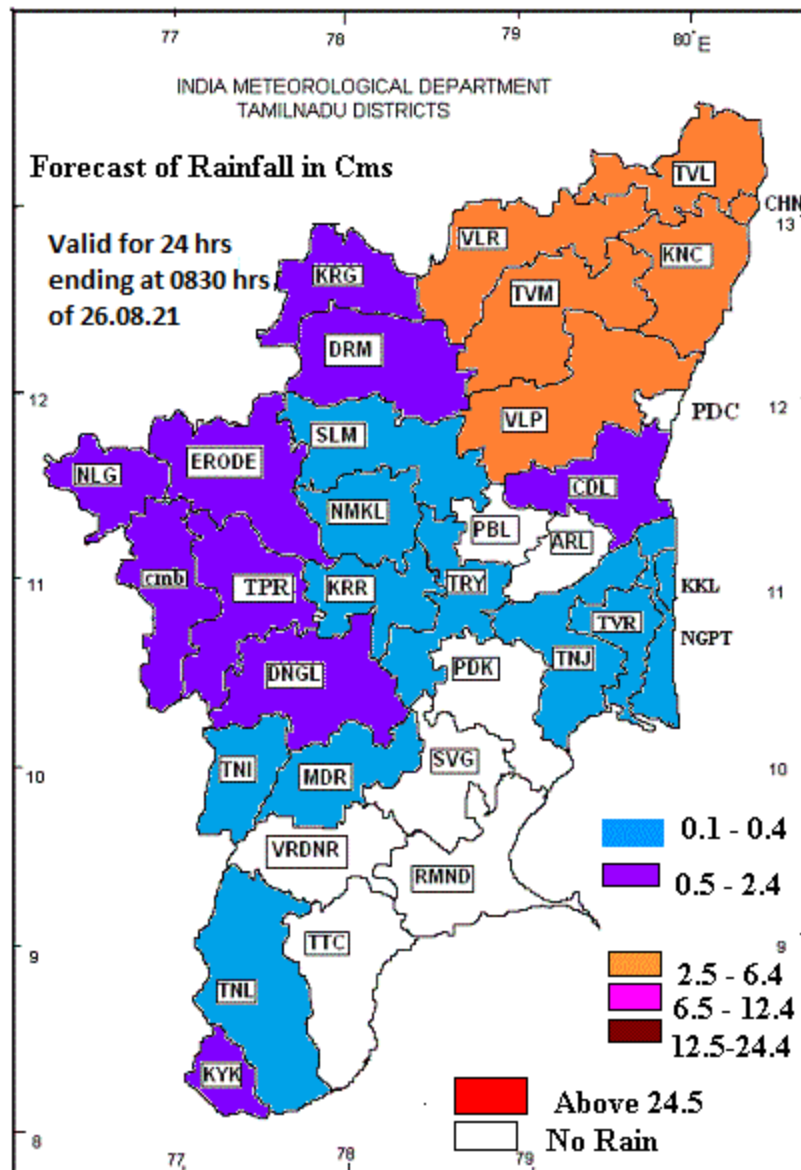
**22.08.21:** Red Hills (dist Tiruvallur), Rsihivandhiyam (dist Kallakurichi) 9 each, Chennai(n) (dist Chennai), Madukkur (dist Thanjavur), Pattukottai (dist Thanjavur) 7 each, Vepur (dist Cuddalore), Nanguneri (dist Tirunelveli) 6 each, Gingee (dist Villupuram), Thammampatty (dist Salem), Avinasi (dist Tiruppur), Perambur (dist Chennai), Tiruchengode (dist Namakkal), Dgp Office (dist Chennai), Cholavaram (dist Tiruvallur), Perambalur (dist Perambalur) 5 each, Ambathur (dist Tiruvallur), Veppanthattai (dist Perambalur), Shoolagiri (dist Krishnagiri), Pochampalli (dist Krishnagiri), Gudalur (dist Theni), Kallakurichi (dist Kallakurichi), Kumarapalayam (dist Namakkal), Barur (dist Krishnagiri), Palavidithi (dist Karur) 4 each, Virudhunagar (dist Virudhunagar), Sholayar (dist Coimbatore), Arimalam (dist Pudukkottai), Bhavani (dist Erode), Denkanikottai (dist Krishnagiri), Kodaikanal (dist Dindigul), Attur (dist Salem), Puzhal Arg (dist Tiruvallur), R.s.mangalam (dist Ramanathapuram), Nagapattinam (dist Nagapattinam), Ketti (dist Nilgiris), Mettupalayam (dist Coimbatore), Sivagiri (dist Tenkasi), Hogenekal (dist Dharmapuri), Tiruppur (dist Tiruppur), Maniyachi (dist Toothukudi), Thuraiyur (dist Trichy) 3 each, Pennagaram (dist Dharmapuri), Palladam (dist Tiruppur), Chettikulam (dist Perambalur), Karaikudi (dist Sivaganga), Aruppukottai (dist Virudhunagar), Kadaladi (dist Ramanathapuram), Sankarapuram (dist Kallakurichi), Pappireddipatti (dist Dharmapuri), Peravurani (dist Thanjavur), Tiruvadana (dist Ramanathapuram), Ramanathapuram (dist Ramanathapuram), Tindivanam (dist Villupuram), Periyar (dist Theni) 2 each, Marandahalli (dist Dharmapuri), Agaram Seegoor (dist Perambalur), Panruti (dist Cuddalore), Tirukoilur (dist Kallakurichi), Vanur (dist Villupuram), Veeraganoor (dist Salem), Sankaridurg

(dist Salem), Erode (dist Erode), Tozhudur (dist Cuddalore), Annur (dist Coimbatore), Labbaikudikadu (dist Perambalur), Karaikal (dist Karaikal), Paramakudi (dist Ramanathapuram), Mangalapuram (dist Namakkal), Uthangarai (dist Krishnagiri), Chinnakalar (dist Coimbatore), Polur (dist Tiruvannamalai), Keelpennathur (dist Tiruvannamalai), Chengam (dist Tiruvannamalai), Tirupathur (dist Sivaganga), Yercaud (dist Salem), Sathanur Dam (dist Tiruvannamalai), Thali (dist Krishnagiri), Alandur (dist Chennai), Kothagiri (dist Nilgiris), Cuddalore (dist Cuddalore), Arantangi (dist Pudukkottai), Puducherry (dist Puducherry), Kariyapatti (dist Virudhunagar), Veerapandi (dist Theni), Palacode (dist Dharmapuri), Thenparanadu (dist Trichy), Vilupuram (dist Villupuram), Sendamangalam (dist Namakkal) 1 each.

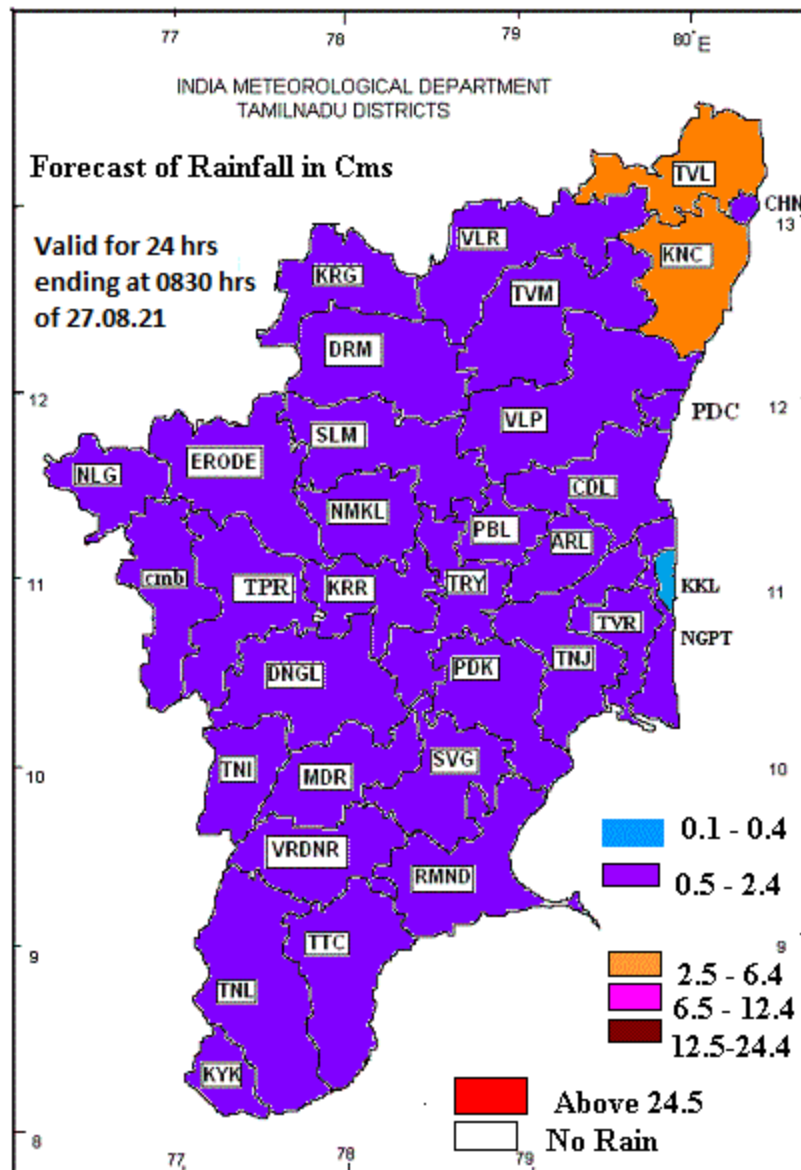
**23.08.21:** Kalavai Aws (dist Ranipet) 8, Marandahalli (dist Dharmapuri) , Rajapalayam (dist Virudhunagar) 7 each, Natham (dist Dindigul) 6, Periyanaickenpalayam (dist Coimbatore), Vellore (dist Vellore) , Katpadi (dist Vellore) , Ponnai Dam (dist Vellore) 5 each, Usilampatti (dist Madurai) , Andipatti (dist Theni) , Karur Paramathi (dist Karur) , Kodaikanal (dist Dindigul) 4 each, Arcot (dist Ranipet) , Krishnagiri (dist Krishnagiri) , Kadavur (dist Karur), Chinnakallar (dist Coimbatore) , Kamatchipuram (dist Dindigul) , Muthupet (dist Tiruvarur), Peraiyur (dist Madurai) , Manjalaru (dist Thanjavur), Dindigul (dist Dindigul), Virinjipuram AWS (dist Vellore) 3 each, Kovilpatti (dist Thoothukudi), Vaigai Dam (dist Theni), Udumalpet (dist Tiruppur) , Thiruthuraipoondi (dist Tiruvarur) , Ketti (dist Nilgiris) , Ammundi (dist Vellore), Budalur (dist Thanjavur) , Dharapuram (dist Tiruppur) , Melalathur (dist Vellore), Namakkal (dist Namakkal) , Uthagamandalam (dist Nilgiris) , Sethiathope (dist Cuddalore), Kodumudi (dist Erode) 2 each, Virudhunagar (dist Virudhunagar), Tozhudur (dist Cuddalore), Valparai Taluk Office (dist Coimbatore) , Kothagiri (dist Nilgiris), Kallikudi (dist Madurai), Thenparanadu (dist Trichy), Hosur (dist Krishnagiri), Pandavaiyar Head (dist Tiruvarur), Denkanikottai (dist Krishnagiri), Periyar (dist Theni) , Thali (dist Krishnagiri) , Sholayar (dist Coimbatore), Sathyamangalam (dist Erode), Glenmorgan (dist Nilgiris), Karaikal (dist Karaikal), Sattur (dist Virudhunagar), Mulanur (dist Tiruppur) , Mohanur (dist Namakkal) 1 each.

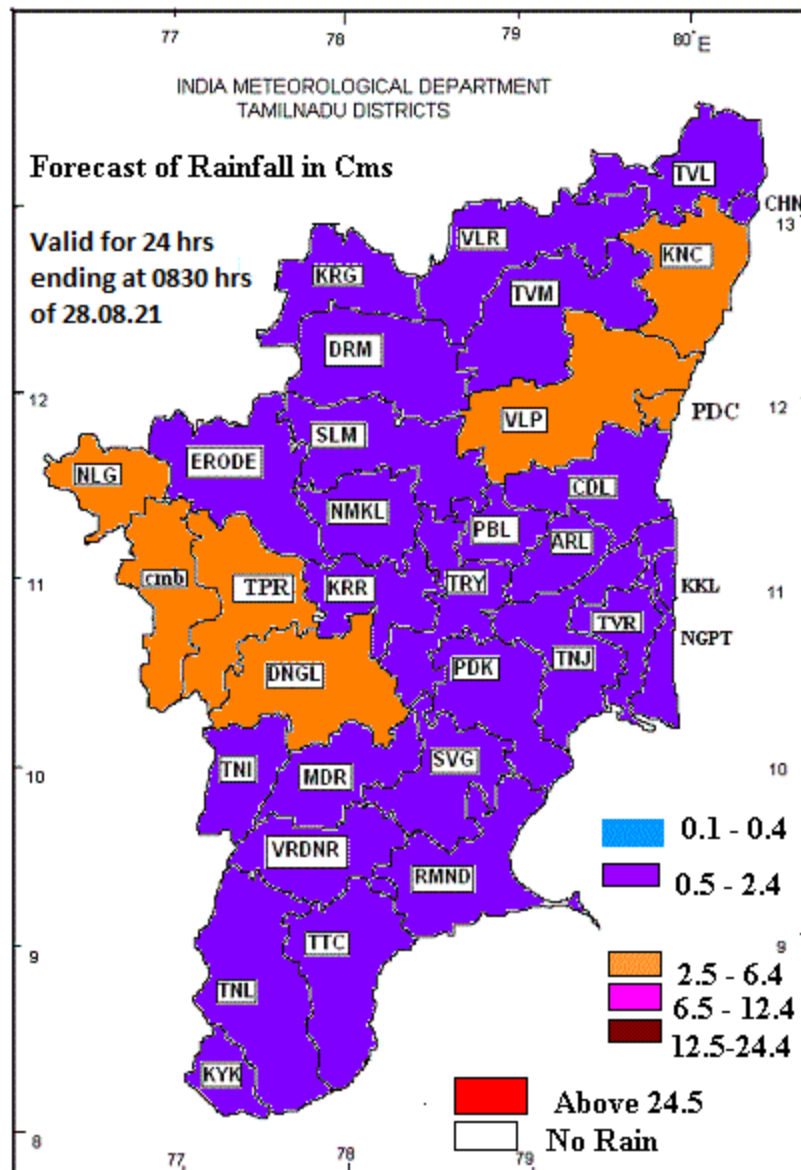
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 24.08.21  
VALID FOR THE NEXT 5 DAYS**

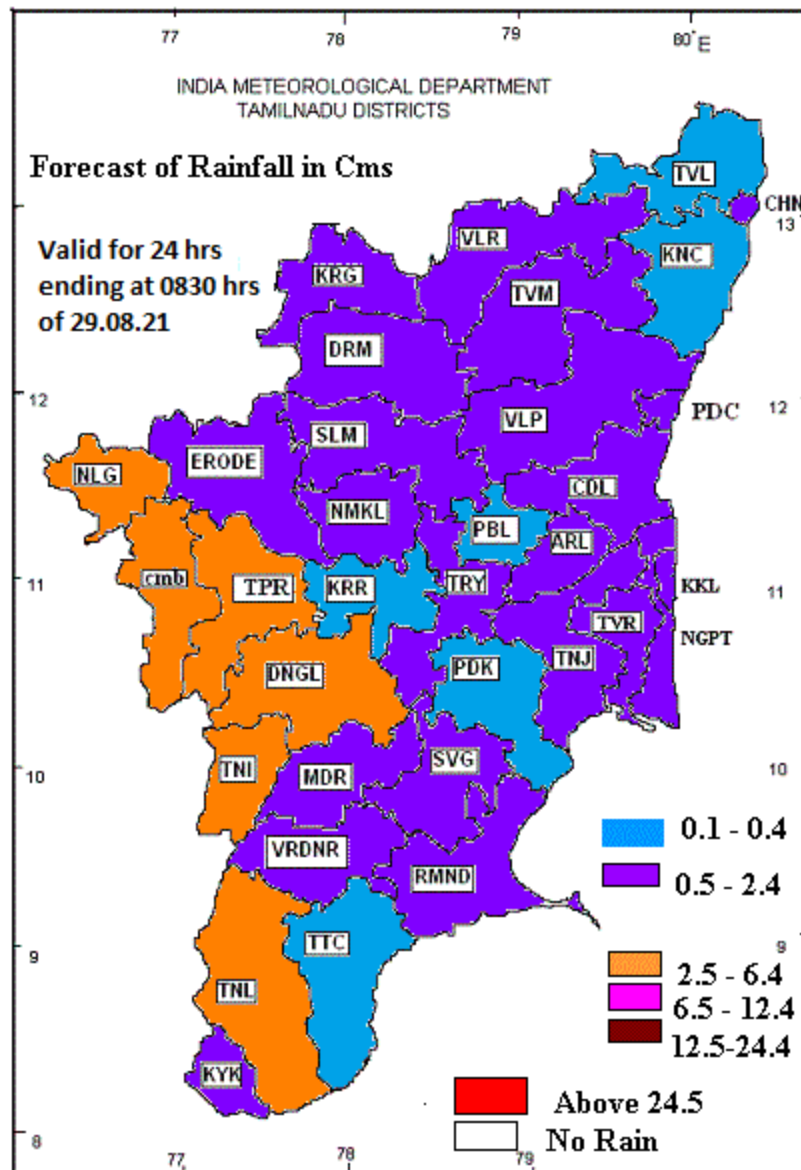












## District-wise Agromet Advisories

### Chennai

**SMS Advisory: (24.08.2021-26.08.2021):**

Thunderstorm with Heavy rain is likely to occur at isolated places over tiruvallur, tiruvannamalai, vellore, Villupuram, Ranipet and kancheepuram districts of Tamil Nadu.

**Livestock Advisory**

1. Since light to moderate rainfall is forecasted in the coming week, precautions should be taken to prevent drenching of livestock in rainwater, especially young kids and calves are prone to pneumonia under the influence of cold draft, hence suitable action to prevent rainwater indulgence must be made.
2. To combat weather change to boost up immunity to maintain of the optimal production the dairy cows must be supplemented with required quantity of dry matter intake to (3 to 4%).
3. The dairy cow and buffaloes tethered under slushy conditions are prone to foot rot diseases, therefore measures like silting the area is necessary.
4. Stagnated rainwater contaminated with urine & faeces of rats are in the danger of evoking Leptospira infection among dairy animals which is of zoonotic concern, hence proper disinfection is warranted.
5. The newly kidded doe must be vaccinated with (TT) (Tetanus Toxoid) and they must be housed in a warm dry shed.
6. Sheep and goat grazing on green lush newly erected grass are highly prone to Clostridium Perfringens type D infection. Hence they should not be allowed to graze in newly grown lush grass. This disease is also known as over eating diseases.
7. To prevent mosquitoes menace the livestock shed may be fumigated with Vitex Negundo dried leaves once in a week.
8. Newly born pig lets may succumb to cold drafts, hence to prevent this mobile heaters or any such devices may be provided.
9. Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating.
10. 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

As per IMD Extended Range Forecast for the period of 29.08.2021 to 04.09.2021 Tamil Nadu & Pondicherry region may likely to receive higher rainfall than the normal. During 25.08.2019 – 29.08.2021 there are possibilities of Thunderstorm with lightning in few places over the chengalpattu and kancheepuram district. Farmers those are cultivated vegetable crops may postpone their irrigation and care must be taken while spraying any agrochemicals and Fertilizers.

There are possibilities of Budworm infestation in Jasmine crop. For management farmers may spray 5% of Neem seed kernel extract.

Crop(Varieties)	Crop Specific 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.

Crop(Varieties)	Crop Specific Advisory
JASMINE	There are possibilities of Budworm infestation in Jasmine crop. For management farmers may spray 5% of Neem seed kernel extract.
Horticulture(Varieties)	Horticulture Specific Advisory
BRINJAL	There are possibilities of mite and mealybug infestation in Brinjal crop. Farmers are advised to take necessary plant protection measures with the advice of the Horticulture Officer.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Farmers are advised to vaccinate their cattle against FMD in nearby veterinary dispensary. Deworm the calves against endoparasites in nearby veterinary dispensary.
GOAT	Farmers are advised to provide mineral block to goat sheds and advised to provide balanced nutrients supply to adult goat and kids. Farmers are advised to vaccinate their goats against PPR at endemic areas.
Fisheries(Varieties)	Fisheries Specific Advisory
INLAND	By viewing the rainfall forecast farmers are advised to reduce the farm water level of 20-30 cm from normal.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Farmers are advised to protect the birds against pox disease with the advice of veterinary hospital and provide antibiotics + vitamins through drinking water.
Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory
AGRI FIELD	By viewing rainfall forecast farmers may prepare the nursery and main fields for paddy cultivation.

## Villupuram

### **SMS Advisory: (24.08.2021-26.08.2021):**

Thunderstorm with Heavy rain is likely to occur at isolated places over tiruvallur, tiruvannamalai, vellore, Villupuram, Ranipet and kancheepuram districts of Tamil Nadu.

### **Livestock Advisory:**

1. Since light to moderate rainfall is forecasted in the coming week, precautions should be taken to prevent drenching of livestock in rainwater, especially young kids and calves are prone to pneumonia

under the influence of cold draft, hence suitable action to prevent rainwater indulgence must be made. 2. To combat weather change to boost up immunity to maintain of the optimal production the dairy cows must be supplemented with required quantity of dry matter intake to (3 to 4%) 3. The dairy cow and buffaloes tethered under slushy conditions are prone to foot rot diseases, therefore measures like silting the area is necessary. 4. Stagnated rainwater contaminated with urine & faeces of rats are in the danger of evoking Leptospira infection among dairy animals which is of zoonotic concern, hence proper disinfection is warranted, 5. The newly kidded doe must be vaccinated with (TT) (Tetanus Toxoid) and they must be housed in a warm dry shed. 6. Sheep and goat grazing on green lush newly erected grass are highly prone to Clostridium Perfringens type D infection. Hence they should not be allowed to graze in newly grown lush grass. This disease is also known as over eating diseases. 7. To prevent mosquitoes menace the livestock shed may be fumigated with Vitex Negundo dried leaves once in a week 8. Newly born pig lets may succumb to cold drafts, hence to prevent this mobile heaters or any such devices may be provided 9. Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating. 10. 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: Land preparation for samba season may be taken up using the expected light rainfall. Sugarcane: Mealy bug and pokkahboeng infection identified in sugarcane crop. Mealy bug affect growth of plants and pokkahboeng cause death of young spindles of sugarcane crop. To control spray imidacloprid 17.8 SL 0.6 ml/l or carbendazim 1.0 g/l. Groundnut: Due to prevailing weather condition changes of groundnut leaf miner infection. To control spray Dimethiate 30 EC 660 ml/ha or methyl demeton 25% EC 1000 ml/ha with 500 lit of water. Maize: Prevailing weather condition is favorable for fall army worm infestation in maize crop. To control sprays spinetoram 0.5 ml/litre or chloratriniliprole 18.5 SC @ 0.4 ml/liter water. Chilli: To control the damping of infection in Chilli treat seeds with Trichoderma viride @ 4 g / kg or bacillus subtilis @ 10 g /kg of seeds treat with 24 hours before sowing. Brinjal To control the damping of infection in brinjal treat seeds with Trichoderma asperellum @ 4 g / kg or bacillus subtilis @ 10 g /kg of seeds treat with 24 hours before sowing. Tapioca: 1. Prevailing weather condition is favourable for mealy bug infestation in tapioca crop. To control spray Flonicamid 50 WG or Spirotetramat 150 OD ( 250ml/l) or Chloropyrifos ( 2.0 ml/l) or thiamethoxam 25% WG 100 g/ha with sticking agent. 2. Prevailing weather condition is favorable for mite infestation in tapioca crop. To control spray propargite 57% EC 2.0 ml/liter or spiromesifer 22.9 SC 1.0 ml/liter or dicofol 18.5 EC 2.0 ml/liter.

## **Tiruvannamalai**

#### **SMS Advisory: (24.08.2021-26.08.2021):**

Thunderstorm with Heavy rain is likely to occur at isolated places over tiruvallur, tiruvannamalai, vellore, Villupuram, Ranipet and kancheepuram districts of Tamil Nadu.

#### **Livestock Advisory:**

1. Since light to moderate rainfall is forecasted in the coming week, precautions should be taken to prevent drenching of livestock in rainwater, especially young kids and calves are prone to pneumonia under the influence of cold draft, hence suitable action to prevent rainwater indulgence must be made. 2. To combat weather change to boost up immunity to maintain of the optimal production the dairy cows must be supplemented with required quantity of dry matter intake to (3 to 4%) 3. The dairy cow and buffaloes tethered under slushy conditions are prone to foot rot diseases, therefore measures like silting the area is necessary. 4. Stagnated rainwater contaminated with urine & faeces of rats are in the danger of evoking Leptospira infection among dairy animals which is of zoonotic concern, hence proper

disinfection is warranted, 5. The newly kidded doe must be vaccinated with (TT) (Tetarnous Toxoide) and they must be housed in a warm dry shed. 6. Sheep and goat grazing on green lush newly erected grass are highly prone to Clostridium Perfringers type D infection. Hence they should not be allowed to graze in newly grown lush grass. This disease is also known as over eating diseases. 7. To prevent mosquitoes menace the livestock shed may be fumigated with Vitex Negundo dried leaves once in a week 8. Newly born pig lets may succumb to cold drafts, hence to prevent this mobile heaters or any such devices may be provided 9. Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating. 10. 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: 1. Prevailing weather condition is favorable for leaf folder incidence in rice. Hence farmers are requested to monitor the field and spray azadirachtin 0.03% 100ml/ha. Groundnut: 2. Farmers may spray groundnut rich 2kg/acre in 200 liter of water in flowering/ podding stage. 3. Apply gypsum @400 kg/ha by the side of the plants on 40-70th day depending upon soil moisture. Jasmine: 4. Prevailing weather condition is favorable for budworm incidence in jasmine. For controlling this, apply spinosad @ 0.5 ml/litre. Tomato: 5. Prevailing weather condition is favorable for wilting in tomato crop. To control this, drenching with Copper oxychloride 2.5g/litre. Bhedi: 6. Prevailing weather condition is favorable for yellow mosaic virus in bhendi crop. To control this, spray thiamethoxam 25%WG 2g/litre. Brinjal: 7. To control shoot borer/ fruit borer, spray Azadirachtin 1% EC (10000 ppm) 3ml/litre or Flubendiamide 20WDG 7.5g/10 litre. Papaya: 8. To control mealy bug attack in papaya spray neem oil 2% or neem seed kernel Extract @ 5%. Coconut: 9. To control rhinoceros beetle in coconut, apply neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown. Guava: 10. To control fruit fly in guava use methyl eugenol lure trap (4/acre) to monitor and kill adults of fruit flies or apply neem oil 3%. Turmeric: 11. Prevailing weather condition is favorable for Rhizome rot in turmeric. To control this, drenching with copper oxy chloride (0.25%) around the affected plants in soil. Banana: 12. Spray 3 times with mancozeb 0.25% or carbendazim 0.1 % 10-15 days interval, to control sigatoka leaf spot.

**Tiruvallur**

From the extended range forecast, Above normal rainfall and normal temperature expected for the period of 29th August to 4th September over Tamil Nadu. Light to moderate rainfall expecting forthcoming days, so farmers are advised to harvest the mature crop and maintain 8-12% moisture content for safe storage.

Crop(Varieties)	Crop Specific Advisory
RICE	RICE-Maturity stages-1. Ear head bug -Spray Neem seed kernel extract 5%; 2..False smut- Spray for Propiconazole 25 EC @ 200 ml/acre; (or) Copper hydroxide 77 WP @ 500g /acre at boot leaf and 50% flowering stages.
RICE	RICE- Samba Season-1.Stem bore- Spray Azadirachtin 0.03% 400 ml (Or) Flubendiamide 20% WG 50g per acre in 200 litre of water ; 2.Leaf folder- Spray Azadirachtin 0.03% 400 ml 200 litres of water (Or) Spray NSKE 5 %.
OKRA/ LADYFINGER	Bhendi- Fruit borer- Spray Azadirachtin 0.03 % 5.0g / l. (or) Buprofezin 70 DF 5.5 ml/10 l; and Set up pheromone trap @ 5 / acre.

SUGARCANE	Sugarcane- Inter nodes borer- Release egg parasitoid, Trichogramma chilonis at the rate of @ 2.5 cc / release / acre. at 15 days intervals starting from 4th month onwards. Avoid the use of excessive nitrogenous fertilizers. Collect and destroy the eggs periodically. Detrash the crop on 150th and 210th day of planting.
Crop(Varieties)	Crop Specific Advisory
PEARL MILLET	Pearl Millet- shoot fly -Spray methyl demeton 25 EC 200 ml ( or) Spray dimethoate 30 EC 200 ml per acre in 200 litres of water.
Horticulture(Varieties)	Horticulture Specific Advisory
BRINJAL	Brinjal- 1.White fly- Spray Thiamethoxam WG 4.0 g/10 l; 2.Fruit borer- Spray Neem Seed Kernel Extract 5 % (or) Spray Dimethoate 30 % EC 7.0 ml/10 l. and Encourage the activity of larval parasitoids: Pristomerus testaceus, Cremastus flavoorbitalis.

### Vellore

As per the IMD extended range forecast (ERF), Tamil Nadu and Puducherry may receive above normal rainfall and normal temperature for the period of 29.08.2021 to 04.09.2021. Prevailing weather condition is favorable for pest and disease incidence for all crops. Farmers are advised to monitor their field and take necessary plant protection measures based on symptoms of damage. Protect dry paddy straw and sorghum straw from raining and subsequent fungal contamination. If so, avoid feeding them to cow. Light to moderate rainfall may be expected on forthcoming days. So, temporarily avoid fertilizer application, insecticides or pesticides spray and provide drainage to lowland areas.

Crop(Varieties)	Crop Specific Advisory
RICE	Prevailing weather condition is favorable for leaf folder incidence in rice. Hence farmers are requested to monitor the field and spray azadirachtin 0.03% 100ml/ha. To control stem borer incidence in rice, spray chlorantraniliprole @0.6 ml/ 1litre or Flubendiamide @ 0.7 ml/litre.
GROUNDNUT	Farmers may spray groundnut rich 2kg/acre in 200 liter of water in flowering/ podding stage. Apply gypsum @400 kg/ha by the side of the plants on 40-70th day depending upon soil moisture. Due to the prevailing weather condition white grub occurrence may be seen in groundnut. To control this apply Carbofuran 3% 33.3kg.
MAIZE	To control fall armyworm in maize, apply Chlorantraniliprole 18.5 SC 4 ml/10 litre.
JASMINE	Prevailing weather condition is favorable for budworm incidence in jasmine. For controlling this, apply spinosad @ 0.5 ml/litre.
OKRA/ LADYFINGER	Prevailing weather condition is favorable for yellow mosaic virus in bhendi crop. To control this, spray thiamethoxam 25%WG 2g/litre. To control mealy bug incidence, spray Neem seed kernel extract @ 0.5 %.
Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	Prevailing weather condition is favorable for wilting in tomato crop. To control this, drenching with Copper oxychloride 2.5g/litre.



BRINJAL	To control shoot borer/ fruit borer, spray Azadirachtin 1% EC (10000 ppm) 3ml/litre or Flubendiamide 20WDG 7.5g/10 litre. To control mealy bug incidence, spray Neem seed kernel extract @ 0.5 %.
PAPAYA	To control mealy bug attack in papaya spray neem oil 2% or neem seed kernel extract @ 5%.
COCONUT	To control rhinoceros beetle in coconut, apply neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown.
GUAVA	To control fruit fly in guava use methyl eugenol lure trap (4/acre) to monitor and kill adults of fruit flies or apply neem oil 3%.
TURMERIC	Prevailing weather condition is favorable for Rhizome rot in turmeric. To control this, drenching with copper oxy chloride (0.25%) around the affected plants in soil.
BANANA	Soil drenching with carbendazim 0.1 % solution around the pseudostem at bimonthly intervals starting from 5 months after planting. Spray 3 times with mancozeb 0.25% or carbendazim 0.1 % 10-15 days interval, to control sigatoka leaf spot.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Protect the dairy cows and calves from rain. Clean the udder with water before and after during milking. Treat the animal if there is mastitis, deteriorated milk from udder.
GOAT	Shelter the sheep and goat at raised area to avoid flood.
Poultry(Varieties)	Poultry Specific Advisory
HEN	Respiratory distress and cold may due to raining and chillness. So give ENROCIN BH 1ml per litre of drinking water for four days.

### Cuddalore

From extended range forecast, Above Normal rainfall, Normal maximum temperature and Normal minimum temperature expected for the period of 29.08.21 to 04.09.2021 over Tamil Nadu. Light to moderate rainfall expecting forthcoming days, so farmers are advised to harvest the mature crop and maintain 8-12% moisture content for safe storage.

Crop(Varieties)	Crop Specific Advisory
RICE	Land preparation for samba season may be taken up using the expected light rainfall.
MAIZE	Prevailing weather condition is favorable for fall army worm infestation in maize crop. To control spray spinetoram 0.5 ml/litre or chloratriniliprole 18.5 SC @ 0.4 ml/liter water.
PEARL MILLET	Due to prevailing weather conditions favourable for shoot fly infestation in cumbu. To control spray methyl demeton 25 EC 500 ml/ha or dimethoate 30 EC 500 ml/ha.

## Coimbatore

### Agro Advisory

Crop	Stage	Advisory
General		Moderate rainfall with wind speed of 10 – 15 km/hour is expected. Hence provide adequate support to banana and sugarcane. Irrigation may be postponed. Considering the heavy wind, avoid broadcasting of fertilizer and spraying of pesticides.
Rice	Nursery preparation and Tillering	Anticipating rainfall, adopt raised bed nursery for sowing samba season medium duration rice. To prevent drifting of samba rice seeds due to anticipated rain, impound water in the nursery during evening and drain in the next day morning. Repeat the practice for the next two days.
Sorghum		By utilizing rainfall, fodder sorghum or cowpea may be sown under rainfed lands
Maize	Sowing	By utilizing the expected rainfall, maize crop can be sown in both under irrigated as well as rainfed condition. While growing the crop under rain fed condition one or two lifesaving irrigations are necessary.
Groundnut	Flowering	Weather conditions is favorable for the tikka leaf spot incidence in Groundnut and monitor the incidence, and if necessary spray Carbendazim 1g/lit or Mancozeb 2g/lit or Chlorothalonil 2g/lit of water.
Sugarcane	Vegetative	Detrashing and propping may be done in six months old sugarcane to protect against anticipated high wind speed and rainfall.
Tomato	Planting	Since, rainfall is expected tomato seedling may be transplanted in ridges and furrows.
Turmeric	Vegetative	Since rain fall is expected suitable drainage facilities may be provide to the turmeric crop. Due to rain and high relative humidity, rhizome infection may be noticed turmeric. To control above disease drench with Bordeaux mixture @ 1% or Copper oxy chloride 0.25%. Leaf spot may also spread in turmeric belt due to anticipated wind speed of >10km/hr, high relative humidity and rainfall. Spray mancozeb@ 1kg/ha.
Grapes		Downy mildew in grapes may get intensified with high relative humidity and cloud cover. Spray 1% Bordeaux mixture or any other copper fungicide @ 0.25% strength.
Animal		Farmers are advised not to allow their animals to graze near pond or lake areas to avoid fluke infestation Due to high wind speed feed material of poultries may be drifted. Hence hanging of gunny bags at the borders of the shed is advised reduce the wind speed.

### SMS advisory

To prevent drifting of samba rice seeds due to anticipated rain, impound water in the nursery during evening and drain in the next day morning.

## Erode

### Agro Advisory

Crop	Stage	Advisory
General		Moderate rainfall with wind speed of 10 – 15 km/hour is expected. Hence provide adequate support to banana and sugarcane. Irrigation may be postponed. Considering the heavy wind, avoid broadcasting of fertilizer and spraying of pesticides.
Rice	Nursery preparation and Tillering	Anticipating rainfall, adopt raised bed nursery for sowing samba season medium duration rice. To prevent drifting of samba rice seeds due to anticipated rain, impound water in the nursery during evening and drain in the next day morning. Repeat the practice for the next two days.
Sorghum		By utilizing rainfall, fodder sorghum or cowpea may be sown under rainfed lands
Maize	Sowing	By utilizing the expected rainfall, maize crop can be sown in both under irrigated as well as rainfed condition. While growing the crop under rain fed condition one or two lifesaving irrigations are necessary.
Groundnut	Flowering	Weather conditions is favorable for the tikka leaf spot incidence in Groundnut and monitor the incidence, and if necessary spray Carbendazim 1g/lit or Mancozeb 2g/lit or Chlorothalonil 2g/lit of water.
Sugarcane	Vegetative	Detrashing and propping may be done in six months old sugarcane to protect against anticipated high wind speed and rainfall.
Tomato	Planting	Since, rainfall is expected tomato seedling may be transplanted in ridges and furrows.
Banana		Rain may accompany with high wind speed of >15 km/hour. Provide adequate stacking to 5 months old and above banana crop against lodging.
Turmeric	Vegetative	Since rain fall is expected suitable drainage facilities may be provide to the turmeric crop. Due to rain and high relative humidity, rhizome infection may be noticed turmeric. To control above disease drench with Bordeaux mixture @ 1% or Copper oxy chloride 0.25%. Leaf spot may also spread in turmeric belt due to anticipated wind speed of >10km/hr, high relative humidity and rainfall. Spray mancozeb@ 1kg/ha.
Animal		Farmers are advised not to allow their animals to graze near pond or lake areas to avoid fluke infestation Due to high wind speed feed material of poultries may be drifted. Hence hanging of gunny bags at the borders of the shed is advised reduce the wind speed.

### SMS advisory

To prevent drifting of samba rice seeds due to anticipated rain, impound water in the nursery during evening and drain in the next day morning.

## Tiruppur

### Agro Advisory

Crop	Stage	Advisory
General		Moderate rainfall with wind speed of 10 – 15 km/hour is expected. Hence provide adequate support to banana and sugarcane. Irrigation may be postponed. Considering the heavy wind, avoid broadcasting of fertilizer and spraying of pesticides.
Sorghum		By utilizing rainfall, fodder sorghum or cowpea may be sown under rainfed lands
Maize	Sowing	By utilizing the expected rainfall, maize crop can be sown in both under irrigated as well as rainfed condition. While growing the crop under rain fed condition one or two lifesaving irrigations are necessary.
Groundnut	Flowering	Weather conditions is favorable for the tikka leaf spot incidence in Groundnut and monitor the incidence, and if necessary spray Carbendazim 1g/lit or Mancozeb 2g/lit or Chlorothalonil 2g/lit of water.
Sugarcane	Vegetative	Detrashing and propping may be done in six months old sugarcane to protect against anticipated high wind speed and rainfall.
Tomato	Planting	Since, rainfall is expected tomato seedling may be transplanted in ridges and furrows.
Banana		Rain may accompany with high wind speed of >15 km/hour. Provide adequate stacking to 5 months old and above banana crop against lodging.
Animal		Farmers are advised not to allow their animals to graze near pond or lake areas to avoid fluke infestation Due to high wind speed feed material of poultries may be drifted. Hence hanging of gunny bags at the borders of the shed is advised reduce the wind speed.

### SMS advisory

To prevent drifting of samba rice seeds due to anticipated rain, impound water in the nursery during evening and drain in the next day morning.

## Nilgiris

### Agro Advisory

Crop	Stage	Advisory
General	All the stage	Next five days light to moderate rainfall expected at isolated places. Avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Harvest the matured crop immediately and store the harvested products at safe places.
Carrot crop	Vegetative stage	For carrot crop, apply 78 kg urea, 200 kg super phosphate and 60 kg potash as basal application. Apply half dose of the above as top dressing at 45th day.

Plantation crops		In cardamom plantation, apply 10 tons of Farm Yard Manure, 33 kg Urea, 84 kg Super phosphosphate and 50 kg potash per acre.
		The opt season for planting Tea seedlings. Farmers can benefit by availing Tea seedlings from Horticulture Department at subsidized rates.
Cattle		Due to light rainfall, allow the animals to graze outside, do not standing near the trees or electric poles. Provide adequate dry feed/fodder and drinking water.

#### SMS advisory

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

### **Ariyalur, Karur & Perambalur**

#### Agro-meteorological Advisory

- Farmers are advised to provide adequate drainage facilities to rice crop due to low to moderate rainfall forecast in the Cauvery delta zone.
- Due to prevailing weather the white fly infestation may occur in cotton. To control white fly in cotton, Spray profenophos 50% EC 1000ml/ha. To control & decreases the button shedding in coconut, Give root feeding of the coconut tonic @ 200 ml/palm at 6-month interval.
- Due to prevailing weather the Thrips incidence may occur in Chillies. To control, Spray Imidacloprid 17.8 SL 3 ml/10 litre.
- Pneumonia in goats – Fever, Respiratory distress, Mucous discharge from nostril, Reduced feed intake & Weight gain and Cough. Remedial measures: Provide clean water and ventilated house.

#### SMS advisory

- Farmers are advised to provide adequate drainage facilities to rice crop due to low to moderate rainfall forecast in the Cauvery delta zone.

### **Nagapattinam, Thanjavur & Thiruvarur**

#### Agro-meteorological Advisory

- Farmers are advised to provide adequate drainage facilities to rice crop due to low to moderate rainfall forecast in the Cauvery delta zone. For late samba and thaladi cultivation, ADT 38, ADT 46, ADT 49, Improved white ponni, IR 20, Ambai 19, Paiyur1, Trichy 1, Trichy 3, Co 48, Co 49 and Co 50 varieties are suitable.
- In samba nursery, spray Azadiraction 0.03% (3 ml/litre of water) with sticking agent Khadi Gopura Bar Soap @ 3g/litre to prevent thrips infection on 10 days after sowing.
- To control & decreases the button shedding in coconut, Give root feeding of the coconut tonic @ 200 ml/palm at 6-month interval.
- Pneumonia in goats – Fever, Respiratory distress, Mucous discharge from nostril, Reduced feed intake & Weight gain and Cough. Remedial measures: Provide clean water and ventilated house

#### SMS advisory

- Farmers are advised to provide adequate drainage facilities to rice crop due to low to moderate rainfall forecast in the Cauvery delta zone.

## Dindigul

Heavy Rainfall Warning: Thunderstorm with Heavy rain is likely to occur at isolated places over the district on 27 & 28 August 2021. Since some amount of rainfall is received recently, farmers can plan for land preparation and sowing activities and postpone the spraying activities during the rainy days. Take necessary steps to harvest the rain water. THUNDERSTORM WARNING: Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu on 24 to 28 August 2021. Keep your Livestock / Animals safely in the shelters. Chances of light rain on 25, 26 Aug & Moderate rain during 27, 28, 29 Aug. Max temp- 33°C-34°C & Min temp -23°C-24°C. Cloudy sky for next 5 days. Wind speed 8-15 kmph from SW & W directions.

Crop(Varieties)	Crop Specific Advisory
MAIZE	Farmers planning for maize cultivation, are advised to treat the seeds before sowing. Select good quality seeds. Adopt the seed rate @ 20 kg/ha for hybrids and 25 kg/ha. for varieties. Adopt a spacing of 45 cm between rows and 20 cm between plants in the row. Seeds treated with fungicides may be treated with three packets (1600 g/ha) of Azospirillum. Dibble the seeds at a depth of 4 cm.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Farmers are advised to feed greens and straw should be given half (quantity) in the morning and half of the evening after milking. Do not change the fodder and its quantity and it may be change gradually. Long and hard stem fodders should be cut into small pieces and feed to Cow. Better to feed the cow with mixture of young foliage and dry grass with hay. Silage should be given after the end of milking, Concentrate feeding should be given in the morning and evening with equal distribution.

## Madurai

Thunderstorm with light to Moderate rain is likely to occur at isolated places over the district on 25, 26, 28 & 29 August 2021. THUNDERSTORM WARNING: Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu on 24 to 28 August 2021. Keep your Livestock / Animals safely in the shelters. Since some amount of rainfall is received recently,, farmers can plan for land preparation and sowing activities and postpone the spraying activities during the rainy days. Take necessary steps to harvest the rain water. Chances of light rain on 25 Aug & Moderate rain during 27, 28, 29 Aug. Max temp- 33°C-34°C & Min temp -23°C-24°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from SW & W directions.

Horticulture(Varieties)	Horticulture Specific Advisory
BANANA	Due to the prevailing weather condition the incidence of Aphid may expected in Banana. The pest is the vector for Bunchy top virus disease. To control spray any one of the following systemic insecticides Phosphamidon 1 ml/lit or Methyldemeton 2 ml/lit. The spray may be directed towards crown and pseudostem base upto ground level at 21 days interval atleast thrice.

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Farmers are advised to feed greens and straw should be given half (quantity) in the morning and half of the evening after milking. Do not change the fodder and its quantity and it may be change gradually. Long and hard stem fodders should be cut into small pieces and feed to Cow. Better to feed the cow with mixture of young foliage and dry grass with hay. Silage should be given after the end of milking, Concentrate feeding should be given in the morning and evening with equal distribution.

### Pudukottai

Extended Range Forecast For Tamil Nadu 29 .08.2021 to 04.09.2021 (:During the Week from 29 th to 04 th September Above Normal Rainfall . maximum temperature and minimum temperature Normal is likely to occur over Tamilnadu. To control the button shedding and improve the yield of coconut, farmers are requested to tie coconut tonic @ 200 ml / tree twice in a year in the roots.

Crop(Varieties)	Crop Specific Advisory
RICE	Due to the constant high rainfall and high humidity in the air, the white caterpillar is endemic to the paddy crop. Symptoms of attack: Round yellow patches appear during pre-attack and then the crop dries and turns brown immediately. Control method: Use any of the following pesticides Chlorantraniliprole 18.5% SC 150 g / ha fibronil 5% SC - 1000-1500 ml / ha Imidacloprid 17.8 SL 100-125 ml / ha
RICE	Anticipating rainfall, adopt raised bed nursery for sowing samba season medium duration rice. Against drifting of sown samba rice seeds in the nursery due to anticipated rain, impound water in the evening in the nursery bed and drain the water in the next day morning. Repeat it for 2 days.
Horticulture(Varieties)	Horticulture Specific Advisory
PAPAYA	The disease is spread by stagnant water around the upper part of the root rot plant in papaya crop as heavy rains and continuous rains are expected in the past. Infected plants wither and die. It is advisable to drench the soil with 1 % Bordeaux mixture or Metalaxyl @0.2%, 2 or 4 times at fortnightly intervals. Good drainage is important to avoid the spread of disease.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	To combat weather change to boost up immunity to maintain of the optimal production the dairy cows must be supplemented with required quantity of dry matter intake to (3 to 4%)
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory

AGRIL ENGINEERING	This is a season for vegetable sowing, hence the farmers are advised to treat the vegetable seeds with Trichoderma viride @ 4 g / kg of seed before sowing to avoid rot in seedlings.
GENERAL ADVICE	It is expected to receive rainfall in the forthcoming days, so the tapioca, Vegetables, and flowers growers are requested to apply 200 kg of well decomposed Farm yard manure along with each 1 kg of Azospirillum, Phosphobacteria, Trichoderma viride and Bacillus for an acre of land.
RAIN WATER HARVESTING	As regular monsoon rains are expected, small pits can be dug at regular intervals in rainfed areas to store rainwater, thus increasing soil moisture by 10-20 per cent.

### Ramanathapuram

From extended range forecast, Above normal rainfall, Normal maximum temperature and minimum temperature expected for the period of August 29 to September 4 over Tamil Nadu. Changing weather condition is favourable for ectoparasites in livestock so apply de-ticking solution like cypermethrin 1% (clinar) externally.

Crop(Varieties)	Crop Specific Advisory
COTTON	Due to the prevailing weather conditions incidence of stem weevil is expected in cotton. The damage symptoms are swellings on the stem just above the ground level and Older plants that survive lack vigor and strength, breaks at the nodes due to strong wind. If damage symptoms are observed 10% of ETL uproot and destroy the infested plants and drenching collar region with chlorpyrifos 2.5ml/1 liters of water
Crop(Varieties)	Crop Specific Advisory
COTTON	Due to the prevailing weather condition incidence of mealy bug is expected in cotton. The damage symptoms are heavy clustering of mealy bugs usually seen under surface of leaves as a thick mat with waxy secretion and excrete copious amount of honey dew on which the fungus sooty mould grow Affected plants appear sick and black, resulting reduced fruiting capacity. If symptoms are observed in cotton field apply neem oil 2% or fish oil rosin soap 25g/liter of water or Profenophos 800ml/ac.
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Due to the prevailing weather condition incidence of rogose whitefly is expected in coconut. High temperature, prolonged dry spell and low relative humidity is favourable for rugose whitefly multiplication. The damage symptoms are presence of heavy white waxy material and sticky honeydew on the under surface of leaves. Black sooty mold formation on the coconut leaves. If symptoms are observed in coconut tree Spray a jet of water forcibly on the under surface of the palm. Setting up of yellow sticky traps smeared with



	caster oil to a height of 5.5' @ 10/acre. Spraying with boiled maida flour paste @25g/liter of water. Spraying of 5 ml of neem oil in one liter of water along with 1 ml of sandovit.
Poultry(Varieties)	Poultry Specific Advisory
BIRD	Due to prevailing weather condition favourable for ranikhet disease in poultry. The main symptoms are twisting of neck and paralysis of wings and legs, Diarrhoea, Drop in egg production and sudden death. To prevent ranikhet diseases in poultry contact the local veterinarian for vaccination.

### Sivagangai

Thunderstorm with light to Moderate rain is likely to occur at isolated places over the district on 25, 26, 28 & 29 August 2021. THUNDERSTORM WARNING: Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu on 24 to 28 August 2021. Keep your Livestock / Animals safely in the shelters. Since some amount of rainfall is received recently,, farmers can plan for land preparation and sowing activities and postpone the spraying activities during the rainy days. Take necessary steps to harvest the rain water. Chances of light rain on 27, 28 Aug & Moderate rain on 29 Aug. Max temp- 34°C & Min temp -24°C-25°C.Cloudy sky for next 5 days. Wind speed 8-12 kmph from SW & W directions.

Crop(Varieties)	Crop Specific Advisory
COTTON	In Cotton cultivation, this is the suitable time for Seed pelleting in cotton. Seeds coated with Arappu leaf powder 100g/kg along with DAP 40g/kg, micronutrient mixture 15g/kg and Azospirillum 200g/kg using 500ml Maida solution or gruel as adhesive (300 ml/kg) to increase the germination and vigour. Dibble the seeds at a depth of 3-5 cm on the side of the ridge.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Farmers are advised to feed greens and straw should be given half (quantity)in the morning and half of the evening after milking. Do not change the fodder and its quantity and it may be change gradually. Long and hard stem fodders should be cut into small pieces and feed to Cow. Better to feed the cow with mixture of young foliage and dry grass with hay. Silage should be given after the end of milking, Concentrate feeding should be given in the morning and evening with equal distribution.

### Theni

Heavy Rainfall Warning: Thunderstorm with Heavy rain is likely to occur at isolated places over the district on 27 & 28 August 2021. THUNDERSTORM WARNING: Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu on 24 to 28 August 2021. Keep your Livestock /Animals safely in the shelters. Since some amount of rainfall is received recently,, farmers can plan for land preparation and sowing activities and postpone the spraying activities during the rainy days. Take necessary steps to

harvest the rain water. Chances of light rain on 25, 26 Aug. Moderate rain on 27, 28 Aug & Rather Heavy rain on 29 Aug. Max temp- 31°C-33°C & Min temp -21°C-23°C. Generally cloudy sky for next 5 days.

Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	Due to prevailing weather condition the occurrence of Leaf eating caterpillar are expected in Tomato. The young larva scrap leaves on ventral surface and the grownups defoliate crops/leaves are the symptoms of damage. To control spray Chlorpyriphos 20 EC 2 lit/ha or Dichlorovos 76 WSC 1 lit/ha
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Farmers are advised to feed greens and straw should be given half (quantity)in the morning and half of the evening after milking. Do not change the fodder and its quantity and it may be change gradually. Long and hard stem fodders should be cut into small pieces and feed to Cow. Better to feed the cow with mixture of young foliage and dry grass with hay. Silage should be given after the end of milking, Concentrate feeding should be given in the morning and evening with equal distribution.

#### Virudhunagar District

Crop/ Ecosystem	Stage / Activities	Advisories
Block level Weather forecast		Thunderstorm with light to moderate rain is likely to occur at few places on Day 1 (25.08.2021), Day 2 (26.08.2021), Day 4 (28.08.2021) and Day 5 (29.08.2021) .8-22 km/hr. of wind speed is predicted for block level.
Irrigated crops	Water management	Postponed irrigation for coming five days. However, based on the crop stage, crop stress and the weather prevail in the particular location irrigation scheduling to be planned.
Preparatory tillage	Ploughing	Light rainfall is suitable for ploughing operation. Farmers are advised for ploughing in order to reduce the incidence of soil borne pathogens and improve the soil tilth for rabi sowing.
Onion		The prevailing high wind speed is conducive for easy spread of purple blotch diseases, foliar spray either Mancozeb or ridomil @2 gm /litre of water to control diseases
Bhendi (OKRA)	Fruiting stage	Prevailed weather is conducive for Fruit borer: To control spray any one of the insecticide. Bacillus thuringiensis @ 20gm/ 10Lt of water. (or) Emamectin benzoate 5 SG @ 3gm/ 10 Lt of water. (or) Quinalphos 25EC @ 8MI / 10Lt of water. Note: Along with insecticide gold sticking agent 1 ml/ Lt if water. Before spraying ensure sufficient moisture content in the soil. Harvest the matured fruits before spraying. Avoid harvesting up to 2 weeks after spraying.
Groundnut	Vegetative stage	Prevailed weather is conducive for Tikka early leaf spot disease that occurs during 3-4 Weeks after sowing and its early spread through wind. Foliar spray with mancozeb at 0.2% (2 grams per litter) or 1kg per acre can be recommended to control the disease at early stage.

Livestock protection	Goat and sheep	Prevailed weather is conducive for Enterotoxaemia: A Bacterial disease causing severe illness and mortality in all ages of sheep and goats. Occurrence is more common in September, October and November months. Clinical Signs: Young lambs die suddenly without any symptoms. severe stomach pain , diarrhea 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.
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SMS: Rain: 27,28&29.08.2021 – 6,8, & 10 mm.. Ploughing to be done. Groundnut- Tikka early leaf spot disease - Foliar spray with mancozeb at 0.2% (2 grams per liter) or 1kg per acre.

### Tirunelveli District

Crop/ Ecosystem	Stage / Activities	Advisories
Block level Weather forecast		Thunderstorm with light to moderate rain is likely to occur at few places from Day 1 (25.08.2021) to Day 5 (29.08.2021). 12-27 km/hr. block level wind speed is predicted.
Irrigated crops	Water management	Postponed irrigation for coming five days. However, based on the crop stage, crop stress and the weather prevail in the particular location irrigation scheduling to be planned.
Preparatory tillage	Ploughing	Light rainfall is suitable for ploughing operation. Farmers are advised for ploughing in order to reduce the incidence of soil borne pathogens and improve the soil tilth for rabi sowing.
Plant protection		As the relative humidity is predicted to be high, disease incidence may emergence. So farmers are advised to go for plant protection measures according to the crop after consulting with the Agricultural scientist.
Rice	Tillering stage and Flowering stage	Prevailed weather is conducive for Leaf folder. So farmers are advised to spray Azadirachtin 0.03% 1000ml/ha. (or) Chlorontrinirole 18.5%SC @ 150g/ha. (or) Thiamethoxam 25% WG @ 100g/ha. The prevailing weather condition is conducive for incidence of Stem borer. Spray Azadirachtin 0.03% 1000 ml/ha (or) Carbofuran% 3 G @25 kg/ha (or) Chlorantraniliprole 18.5% SC 150 ml/ha.
Cotton	Vegetative stage and Harvesting stage	Prevailing weather is conducive for Mealy bug. To control Wherever necessary use botanical insecticides like neem derivatives such as neem oil 2%, NSKE 5% and Fish oil rosin. soap 25 g/lit. of water. Use of profenophos @ 2000 ml / ha may be adopted as an alternative.
Banana	Bunch development and harvest stage	High wind speed may damage the crop; hence farmers are requested to provide support to bunch (propping).
Dry land cultivation	Crop residue recycling	In order to improve the soil quality recycles the residues of harvested crops of maize, sorghum and pulses. Use rotovator or rotoslasher for cutting the residues into small pieces and incorporate them into the soil.
Live stock	Forecast for	Anthrax - Preventive Measures:

advisory	September month	Ring vaccination and report of disease is advised. Vaccination to be done in consultation with the veterinarians and as decided by state animal husbandry authorities. Strict biosecurity measures May be followed. Carcass May be disposed by deep burying covered with lime powder. Contaminated area May be disinfected with 4% formalin or 10% caustic soda. Grazing area May be restricted.
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SMS: Rain: 25.08.2021 - 29.08.2021 – 4,4,2,15,15 & 25 mm. Postpone the irrigation. Ploughing to be done. Cotton - Mealy bug- apply neem oil 2%, NSKE 5% (or) profenophos @ 2000 ml / ha.

### Thoothukudi District

Crop/ Ecosystem	Stage / Activities	Advisories
Block level Weather forecast		Thunderstorm with light to moderate rain is likely to occur at few places from Day 1 (25.08.2021) to Day 5 (29.08.2021). 15 -32 km/hr. wind speed is predicted for block level
Irrigated crops	Water management	Irrigation may be given. However, based on the weather prevail in the particular location irrigation scheduling to be planned.
Preparatory tillage	Ploughing	Light rainfall is suitable for ploughing operation. Farmers are advised for ploughing in order to reduce the incidence of soil borne pathogens and improve the soil tilth for rabi sowing.
Paddy	Tillering stage and Flowering stage	The prevailing weather condition is conducive for incidence of Stem borer. Spray Azadirachtin 0.03% 1000 ml/ha (or) Carbofuran% 3 G @25 kg/ha (or) Chlorantraniliprole 18.5% SC 150 ml/ha.
Groundnut	Vegetative stage	The prevailing weather condition is conducive for incidence of Thrips. Apply Quinalphos 25%EC 1400 ml/ha. The prevailing weather condition is conducive for incidence of leaf miner. Apply Dimethiate 30 EC 660 ml/ha (or) Methyl demeton 25% EC 1000 ml/ha
Dry land cultivation	Crop residue recycling	In order to improve the soil quality recycles the residues of harvested crops of maize, sorghum and pulses. Use rotovator or rotoasher for cutting the residues into small pieces and incorporate them into the soil.
Banana	Bunch development and harvest stage	High wind speed may damage the crop; hence farmers are requested to provide support to bunch (propping).

SMS: Rain: 27,28&29.08.2021 – 5,5 & 2 mm. Ploughing to be done. Groundnut - leaf miner. Apply Dimethiate 30 EC 660 ml/ha (or) Methyl demeton 25% EC 1000 ml/ha.

Tamil Nadu		
Next five days	Weather Warning	Thunderstorm with heavy rain is likely to occur at isolated places over Salem, Tiruvannamalai, Vellore and Ranipet districts of Tamil Nadu. Thunderstorm with light to moderate rain is likely to occur at few places over rest Tamil Nadu on Day 1 (24.08.2021). Thunderstorm with heavy rain is likely to occur at isolated places over Tiruvallur, Ranipet and Kancheepuram districts of Tamil Nadu. Thunderstorm with light to moderate rain is likely to occur at few places over rest Tamil Nadu on Day 2 (25.08.2021).

		<p>Thunderstorm with heavy rain is likely to occur at isolated places over Tiruvannamalai, Villupuram, Kancheepuram and Salem districts of Tamil Nadu. Thunderstorm with light to moderate rain is likely to occur at few places over rest coastal Tamil Nadu and adjoining interior Tamil Nadu, Nilgiris and Coimbatore districts of Tamil Nadu on Day 3 (26.08.2021).</p> <p>Thunderstorm with heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Theni and Dindigul districts of Tamil Nadu. Thunderstorm with light to moderate rain is likely to occur at few places over rest Tamil Nadu, Puducherry and Karaikal on Day 4 (27.08.2021) and Day 5 (28.08.2021).</p>
	Heavy Rainfall Warning	<p>Day 1(24.08.2021): Heavy rain is likely to occur at isolated places over Salem, Tiruvannamalai, Vellore and Ranipet districts of Tamil Nadu.</p> <p>Day 2(25.08.2021): Heavy rain is likely to occur at isolated places over Tiruvallur, Ranipet and Kancheepuram districts of Tamil Nadu.</p> <p>Day 3(26.08.2021): Heavy rain is likely to occur at isolated places over Tiruvannamalai, Villupuram, Kancheepuram and Salem districts of Tamil Nadu.</p> <p>Day 4 (27.08.2021) &amp; Day 5 (28.08.2021): Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Theni and Dindigul districts of Tamil Nadu.</p>
	Thunderstorm Warning	Day 1(24.08.2021) to Day 5(28.08.2021): Thunderstorm with lightning is likely to occur over Tamil Nadu.
Extended range of forecast		Week (27.08.2021 to 02.09.2021) is predicted to be above normal (23 %).

### Salem

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

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Salem:		
Crop	General	Light to moderate rainfall will be expected in the forthcoming days, proper drainage may be provided to the crops to avoid water logging condition.
Onion	Vegetative	Prevailing weather condition is favourable for thrips pest in onion, so spraying spinosad 0.5 ml/lit or fipronil 1.5 ml/ lit is advised.
Castor	Vegetative	To control capsule borer in castor, Spray profenofos 50 EC 500 ml/ha.
Coconut	All	To control & decreases the button shedding in coconut, Give root feeding of the coconut tonic @ 200 ml/palm at 6-month interval. Coconut tonic (Rs. 309 / litre) available at KVK, Sandhiyur, salem. Contact: 9095513102
Livestock	General	Livestock and poultry should be free from ectoparasites, so remove once in 6 months.
		Goat should be fed with 7kg green fodder, 3kg dry fodder, 200gm

		concentrated feed per day for maintaining good health.
		Supplementation of 25-30 gram of mineral mixture to cattle provides essential minerals required for reproduction, and there by reduces the incidence of infertility summer strees.
		To avoid mastitis disease in milching animals use potassium permanganate for cleaning the udder before and after milking.
Poultry	General	Due to high wind speed feed material of poultries may be drifted hence hanging of gunny bags at the borders of the shed to reduce the wind speed.

### Namakkal

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

Livestock, poultry & Crop	Stage	Weather advisory
Cattle and Buffalo	Adult	Haemorrhagic Septicaemia disease mostly occurred in rainy season. This disease mainly affects the milking animals like buffalo and cross breed cows. The main symptoms are fever, dysentery, swelling of lower mandible and death. Vaccinate the animal once in a year before onset of rainy season.
Livestock	Sheep and Goat	Breeding season 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 (flushing) increases more number of ewes to attain heat and breed so that there will be more number of multiple birth in does and uniform size lambs / kids crop.
Poultry	General	For the next three days around Namakkal and its surrounding areas in Namakkal district, there is a good chance for light rains with moderate winds. In this scenario, the feed intake will be normal in layers. However, due to high cost of soybean meal and other proteinaceous cakes, farmers and feed millers use non – conventional feed ingredients replacing soybean meal. One such ingredient is groundnut cake which should be used only after testing it for aflatoxin B1 level which should be < 100 ppb. The materials with > 100 ppb afalatoxin B1 should be avoided or used at low inclusion level. All other protein cakes should be routinely tested for protein, urea, fibre and sand/silica before inclusion in the feed.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Groundnut	Vegetative stage	Farmers are advised to taken up second weeding in groundnut field with forecasted rain and also apply gypsum @ 160 kg / acre along with earthing up who were cultivated groundnut in Adipattam.( Kharif season)
Turmeric	Vegetative stage	Turmeric farmers are requested to apply 200 kg of well decomposed farm yard manure along with each 5 kg Azoshpirillum, Phosphobacteria and Trichoderma viride by using current rainfall for an acre of land to prevent rhizome rot and to improve the crop growth.
Vegetables	Sowing period	This is a season for vegetable sowing, hence the farmers are advised to treat the vegetable seeds with Trichoderma viride @ 4 g / kg of seed before sowing to avoid rot in seedlings.

## Dharmapuri

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

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Dharmapuri :		
Vegetables	Flowering stage	In vegetable crop at flowering stage, spraying of arka vegetable special @ 3 gram/ litre can be recommended.
Coconut	Vegetative	To control button shedding in coconut trees, give root feeding of TNAU coconut tonic @ 200ml/tree 6 months interval .
Tuberose	Vegetative	In tuberose crop foliar spray of Zinc sulphate 0.5% + Ferrous sulphate 0.2% + Boric acid 0.1% help production of good quality flowers.
Groundnut	Flowering stage	This is right time for spraying of TNAU ground nut rich 2 Kg/acre in 200 liters of water for the groundnut crops which is in flowering stage and apply gypsum 400 kg/ha at 45th day after sowing.
Livestock	General	Clean the mouth and nostril of new born calf and fed colostrum within 30 minutes, apply tincture iodine on the umbilical of calf. Supplementation of 25-30 gram of mineral mixture to cattle provides essential minerals required for reproduction, and there by reduces the incidence of infertility summer strees.

## Krishnagiri

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

Livestock, poultry & Crop	Stage	Weather advisory
Cattle and Buffalo	Adult	Haemorrhagic Septicaemia disease mostly occurred in rainy season. This disease mainly affects the milking animals like buffalo and cross breed cows. The main symptoms are fever, dysentery, swelling of lower mandible and death. Vaccinate the animal once in a year before onset of rainy season.
Livestock	Sheep and Goat	Breeding season 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 (flushing) increases more number of ewes to attain heat and breed so that there will be more number of multiple birth in does and uniform size lambs / kids crop.
Poultry	General	For the next three days around Namakkal and its surrounding areas in Namakkal district, there is a good chance for light rains with moderate winds. In this scenario, the feed intake will be normal in layers. However, due to high cost of

		soybean meal and other proteinaceous cakes, farmers and feed millers use non – conventional feed ingredients replacing soybean meal. One such ingredient is groundnut cake which should be used only after testing it for aflatoxin B1 level which should be < 100 ppb. The materials with > 100 ppb aflatoxin B1 should be avoided or used at low inclusion level. All other protein cakes should be routinely tested for protein, urea, fibre and sand/silica before inclusion in the feed.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Groundnut	Vegetative stage	Farmers are advised to taken up second weeding in groundnut field with forecasted rain and also apply gypsum @ 160 kg / acre along with earthing up who were cultivated groundnut in Adipattam.( Kharif season)
Turmeric	Vegetative stage	Turmeric farmers are requested to apply 200 kg of well decomposed farm yard manure along with each 5 kg Azospirillum, Phosphobacteria and Trichoderma viride by using current rainfall for an acre of land to prevent rhizome rot and to improve the crop growth.
Vegetables	Sowing period	This is a season for vegetable sowing, hence the farmers are advised to treat the vegetable seeds with Trichoderma viride @ 4 g / kg of seed before sowing to avoid rot in seedlings.

### Karaikal

#### Weather based Agro-Advisories.

As thunderstorm with lightning is likely to occur at few places on 27th and 29th August, farmers are advised to keep their animals inside the cattle shed and avoid animals congregating under isolated tree or near trees, tractor, farm machinery and other equipment made of metals. Ensure that your animals are safe from the dangers of lightning strikes. Farmers are advised to take up land preparation work for sowing samba paddy crops, utilizing showers received in the past few days. Apply urea @ 37 kg/ha, DAP @ 100 kg/ha, potash @ 25 kg/ha, zinc sulphate @ 25 kg/ha and gypsum @ 500 kg/ha as basal for samba paddy crop. Treat the paddy seeds with Carbendazim or Pyroquilon or Tricyclozole @ 2 g/ kg of seed. Soak the seeds in water for 10 hrs and drain the excess water. Treat the paddy seeds with Pseudomonas fluorescens @10g/kg of seed per litre of water overnight. Decant the excess water and allow the seeds to sprout for 24hrs before sowing. Treat the seeds with 3 packets (600 g/ha) of Azospirillum and 3 packets (600g/ha) of Phosphobacteria or 6 packets (1200g/ha) of Azophos before sowing. In these rainy days, livestock feed may be stored in dry place to avoid aflatoxin problem. During rainy days, goats may be affected with viral enteritis. As and when diarrhoea is noticed, immediate treatment should be done at the veterinary dispensary and do not allow the goats to graze outside. Poultry birds reared in deep litter system should avoid dampness in litter material to avoid coccidiosis. If dampness is observed, replace it with fresh litter material or apply 5 kg of lime powder per 100 sq ft area.

#### SMS:

Showers likely to be light to moderate for next five days. Hence, farmers may postpone irrigation.

### Puducherry

#### Weather based Agro-Advisories

As thunderstorm with lightning is likely to occur at few places on 27th and 28th August, farmers are advised to keep their animals inside the cattle shed and avoid animals congregating under isolated tree or near trees, tractor, farm machinery and other equipment made of metals. Ensure that your animals are safe from the dangers of lightning strikes. In groundnut, to manage tikka leaf spot disease, spray Mancozeb @ 2 g/ litre. In sugarcane, to manage mealy bug, spray Methyl Parathion 50 EC @ 2ml/l. To



manage shoot borer in sugarcane, soil application of Cartaphydrochloride 4G 10kg/hectare may be done. To manage CMD in tapioca, spray 3% neem oil or methyl dematon 2ml/lit or Dimethoate 1ml/lit or Acetamiprid 0.3g/l. In these rainy days, livestock feed may be stored in dry place to avoid aflatoxin problem. During rainy days, goats may be affected with viral enteritis. As and when diarrhoea is noticed, immediate treatment should be done at the veterinary dispensary and do not allow the goats to graze outside.

Poultry birds reared in deep litter system should avoid dampness in litter material to avoid coccidiosis. If dampness is observed replace it with fresh litter material or apply 5 kg of lime powder per 100 sq ft area.

SMS:

Showers likely to be light to moderate for next four days. Hence, farmers may postpone irrigation.

### BLOCK LEVEL FORECAST

#### NILGIRIS DISTRICT

#### Coonoor, Gudalur, Kotagiri and Ooty Blocks

#### Agro Advisory

Crop	Stage	Advisory
General	All the stage	Next five days light to moderate rainfall expected at isolated places. Avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Harvest the matured crop immediately and store the harvested products at safe places.
Carrot crop	Vegetative stage	For carrot crop, apply 78 kg urea, 200 kg super phosphate and 60 kg potash as basal application. Apply half dose of the above as top dressing at 45th day.
Plantation crops		In cardamom plantation, apply 10 tons of Farm Yard Manure, 33 kg Urea, 84 kg Super phoshphate and 50 kg potash per acre.  The opt season for planting Tea seedlings. Farmers can benefit by availing Tea seedlings from Horticulture Department at subsidized rates.
Cattle		Due to light rainfall, allow the animals to graze outside, do not standing near the trees or electric poles. Provide adequate dry feed/fodder and drinking water.

#### SMS advisory

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

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