



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

## **DISTRICT LEVEL**

# **Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 056/2021**

For the period 0830 IST, 13<sup>th</sup> July 2021 to  
0830 IST, 18<sup>th</sup> July 2021

**Issued on Tuesday, 13<sup>th</sup> July 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 09.07.21 to 12.07.21 for the State of Tamilnadu & Puducherry**

**Temperature:**

Maximum Temperature of range 27°C – 39°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 14°C – 22°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)	--	--
Fairly widespread (Many places)	09.07.21	Tamil Nadu
Scattered (Few Places)	10.07.21 09.07.21	Tamil Nadu Puducherry
Isolated (Isolated Places)	11.07.21 & 12.07.21	Tamil Nadu
Dry	10.07.21, 11.07.21 & 12.07.21	Puducherry

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

**09.07.21** : Kalayanallur (dist Kallakurichi ) 14, Sulankurichi (dist Kallakurichi), Eraiyur (dist Kallakurichi) 13 each, Arani (dist Tiruvannamalai), Marakkanam (dist Villupuram) 11 each, Thiyagadurgam (dist Kallakurichi) 10, Attur (dist Salem), Pallipattu (dist Tiruvallur), Panruti (dist Cuddalore), Ambathur (dist Tiruvallur) 9 each, Tirukoilur (dist Kallakurichi), Wallajah (dist Ranipet), Poonamallee (dist Tiruvallur) 8 each, Maduranthagam (dist Chengalpattu), Arcot (dist Ranipet), Thirukoilur Arg (dist Kallakurichi), Koratur (dist Tiruvallur), Tirupuvanam (dist Sivaganga), Alangayam (dist Tirupattur), Pulipatti (dist Madurai), Natrampalli (dist Tirupattur), Ammundi (dist Vellore), Kallakurichi (dist Kallakurichi), Mylam Aws (dist Villupuram) 7 each, Vaniyambadi (dist Tirupattur), Sholavandan (dist Madurai), Gingee (dist Villupuram), Chengam (dist Tiruvannamalai), Sankarapuram (dist Kallakurichi), Dgp Office (dist Chennai), Tambaram (dist Chengalpattu), Puducherry (dist Puducherry), Kancheepuram (dist Kancheepuram), Peraiyur (dist Madurai), Thiruvalangadu (dist Tiruvallur), Cuddalore (dist Cuddalore), Tirumangalam (dist Madurai), Thandampettai (dist Tiruvannamalai) 6 each, Tirupattur (dist Tirupattur), Vilupuram (dist Villupuram), Kaveripakkam (dist Ranipet), Kalavai Aws (dist Ranipet), Manapparai (dist Trichy), Perambur (dist Chennai), Chittampatti (dist Madurai), Usilampatti (dist Madurai), Thammampatty (dist Salem), Thuraiyur (dist Trichy), Thuvakudi Imti (dist Trichy), Tindivanam (dist Villupuram), Uthukottai (dist Tiruvallur), Vaigai Dam (dist

Theni), Grand Anaicut (dist Thanjavur), Thogamalai (dist Karur), Ambur (dist Tirupattur), Puzhal Arg (dist Tiruvallur) 5 each, Tirupathur Pto (dist Tirupattur), Vadapudupattu (dist Tirupattur), Melur (dist Madurai), Veeraganoor (dist Salem), Polur (dist Tiruvannamalai), Vembakkam (dist Tiruvannamalai), Anna University (dist Chennai), Sathanur Dam (dist Tiruvannamalai), Tiruvallur (dist Tiruvallur), Ponneri (dist Tiruvallur), Sriperumbudur (dist Kancheepuram), Mettupatti (dist Madurai), Gummidipoondi (dist Tiruvallur), Chennai Ap (dist Chennai), Chennai(n) (dist Chennai), Alandur (dist Chennai), Vellore (dist Vellore), Poondi (dist Tiruvallur) 4 each, Vadipatti (dist Madurai), Arakonam (dist Ranipet), Chembarabakkam (dist Tiruvallur), Pilavakkal (dist Virudhunagar), Dindigul (dist Dindigul), Thamarapakkam (dist Tiruvallur), Red Hills (dist Tiruvallur), Bodinaickanur (dist Theni), Melalathur (dist Vellore), Penucondapuram (dist Krishnagiri), Virinjipuram Aws (dist Vellore), Madavaram Aws (dist Tiruvallur), Cholavaram (dist Tiruvallur), Taramani Arg (dist Chennai), Thathiengrpet (dist Trichy), Veerapandi (dist Theni), Manamadurai (dist Sivaganga), Watrap (dist Virudhunagar), Tallakulam (dist Madurai), Satyabama Uty Arg (dist Chengalpattu), Katpadi (dist Vellore), Gudiyatham (dist Vellore), Trp Ap (dist Trichy), R.k.pet (dist Tiruvallur), Devala (dist Nilgiris), Airport Madurai (dist Madurai) 3 each, Periya Kalapet Arg (dist Puducherry), Tiruvannamalai (dist Tiruvannamalai), Sholinganallur (dist Chennai), Keelpennathur (dist Tiruvannamalai), Kelambakkam (dist Chengalpattu), Thenparanadu (dist Trichy), Chembarambakkam Arg (dist Tiruvallur), Cheyyur (dist Chengalpattu), Madurai South (dist Madurai), Tiruvaiyaru (dist Thanjavur), Kallikudi (dist Madurai), Vanur (dist Villupuram), Hindusthan University (dist Chengalpattu), K.paramathi (dist Karur), Veppanthattai (dist Perambalur), Erumapatti (dist Namakkal), Yercaud (dist Salem), Srimushnam (dist Cuddalore), Cheyyar (dist Tiruvannamalai), Neyveli Aws (dist Cuddalore), Mgr Nagar (dist Chennai), Anna Uty Arg (dist Chennai), Tiruttani (dist Tiruvallur), Mangalapuram (dist Namakkal), Ayyampettai (dist Thanjavur), Sattur (dist Virudhunagar), Thirumanur (dist Ariyalur) 2 each, Sholingur (dist Ranipet), Avalanche (dist Nilgiris), Aravakurichi (dist Karur), Paramakudi (dist Ramanathapuram), Tirukattupalli (dist Thanjavur), Andipatti (dist Theni), Lalgudi (dist Trichy), Ponmalai (dist Trichy), Ponnai Dam (dist Vellore), Karur (dist Karur), Periyakulam (dist Theni), Kariyapatti (dist Virudhunagar), Musiri (dist Trichy), Viralimalai (dist Pudukkottai), Budalur (dist Thanjavur), Sholayar (dist Coimbatore), Pochampalli (dist Krishnagiri), Virudhunagar (dist Virudhunagar), Pullambadi (dist Trichy), Ponnamaravathi (dist Pudukkottai), Nannilam (dist Tiruvarur), Chengalpattu (dist Chengalpattu), Pappireddipatti (dist Dharmapuri), Ennore Aws (dist Tiruvallur), Sendamangalam (dist Namakkal), Tiruttani Pto (dist Tiruvallur) 1 each.

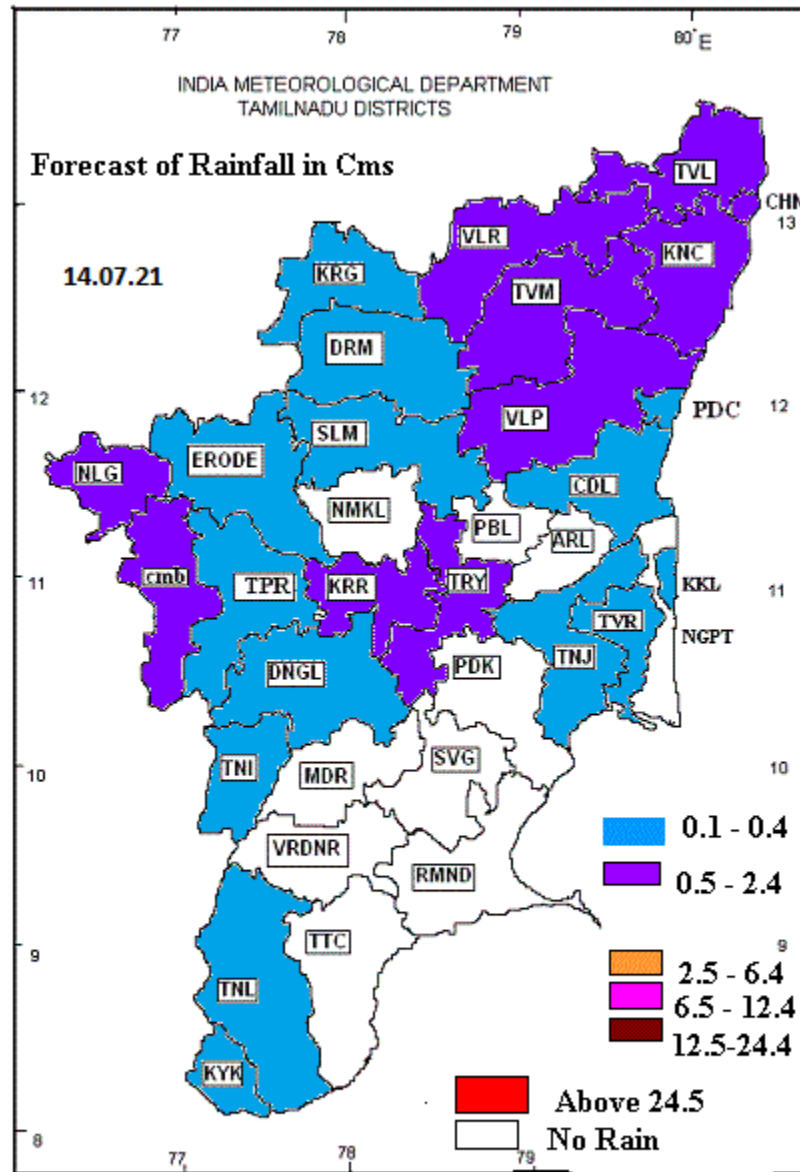
**10.07.21** : Kaliel (dist Kanyakumari) 11, Kuzhithurai (dist Kanyakumari) 10, Kanyakumari (dist Kanyakumari) 9, Chinnakalar (dist Coimbatore) 9, Mylaudy (dist Kanyakumari) 8, Valparai Pto (dist Coimbatore) 8, Katpadi (dist Vellore) 8, Pechiparai (dist Kanyakumari) 7, Valparai Taluk Office (dist Coimbatore) 7, Nagercoil (dist Kanyakumari) 7, Suralacode (dist Kanyakumari) 7, Vellore (dist Vellore) 5, Virinjipuram Aws (dist Vellore) 5, Gudiyatham (dist Vellore) 5, Bhoothapandy (dist Kanyakumari) 5, R.k.pet (dist Tiruvallur) 5, Cheyyur (dist Chengalpattu) 5, Sholayar (dist Coimbatore) 5, Kalavai Aws (dist Ranipet) 5, Thuckalay (dist Kanyakumari) 4, Kottaram (dist Kanyakumari) 4, Thekkadi (dist Theni) 4, Thiruvallangadu (dist Tiruvallur) 4, Melalathur (dist Vellore) 4, Tirupoondi (dist Nagapattinam) 4, Pallipattu (dist Tiruvallur) 3, Kamudhi (dist Ramanathapuram) 3, Perungalur (dist Pudukkottai) 3, Radhapuram (dist Tirunelveli) 3, Arani (dist Tiruvannamalai) 3, Tiruvannamalai (dist Tiruvannamalai) 3, Chengam (dist Tiruvannamalai) 3, Tiruvallur (dist Tiruvallur) 3, Naduvattam (dist Nilgiris) 2, Tiruttani Pto (dist Tiruvallur) 2, Vembakkam (dist Tiruvannamalai) 2, Cheyyar (dist Tiruvannamalai) 2, Bhuvanagiri (dist Cuddalore) 2, Tiruttani (dist Tiruvallur) 2, R.s.mangalam (dist Ramanathapuram) 2, Colachel (dist Kanyakumari) 2, Gudalur (dist Theni) 2, G Bazar (dist Nilgiris) 2, Maduranthagam (dist Chengalpattu) 2, Ponnamaravathi (dist Pudukkottai) 2, Avalanche (dist Nilgiris) 2, Pudukkottai (dist Pudukkottai) 2, Upper Bhavani (dist Nilgiris) 2, Budalur (dist Thanjavur) 2, Thanjavur (dist Thanjavur) 1, Arcot (dist Ranipet) 1,

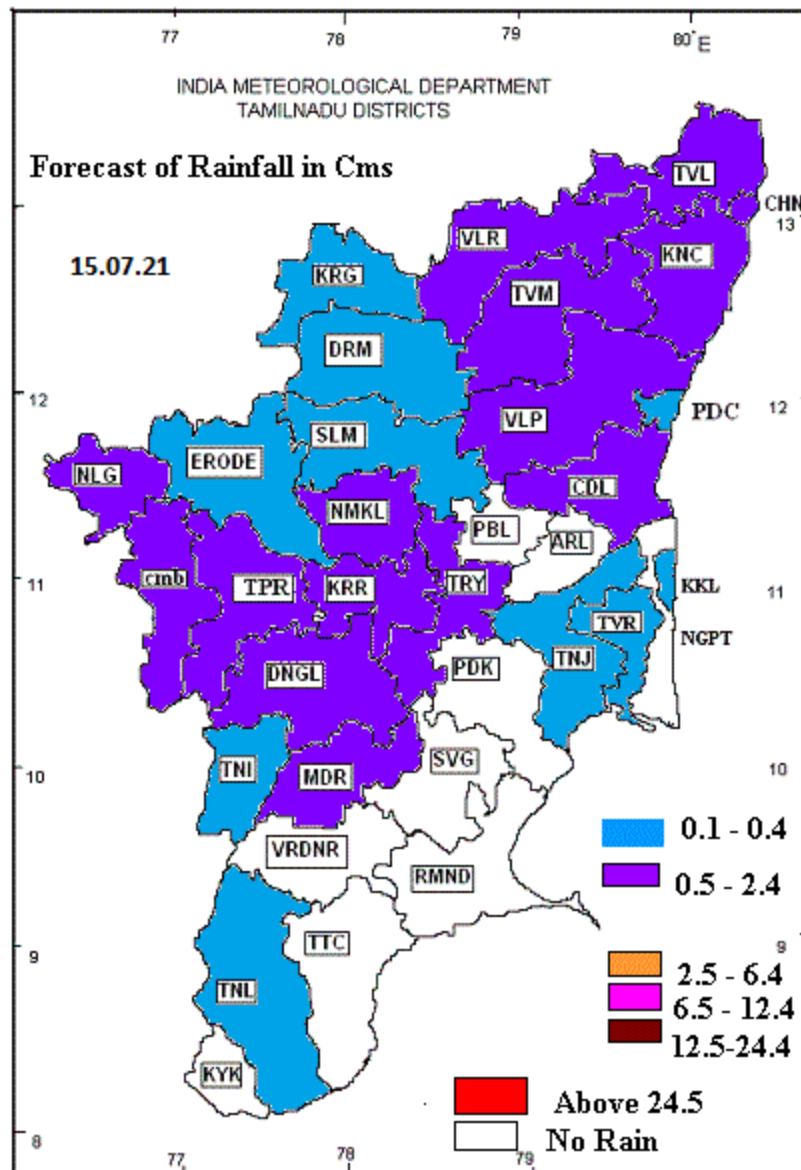
Ponnai Dam (dist Vellore) 1, Mahabalipuram (dist Chengalpattu) 1, Satankulam (dist Toothukudi) 1, Polur (dist Tiruvannamalai) 1, Ayyampettai (dist Thanjavur) 1, Thanjai Papanasam (dist Thanjavur) 1, Arantangi (dist Pudukkottai) 1, Eraniel (dist Kanyakumari) 1, Kelambakkam (dist Chengalpattu) 1, Devala (dist Nilgiris) 1, Neyveli Aws (dist Cuddalore) 1, Marakkanam (dist Villupuram) 1, Uthiramerur (dist Kancheepuram) 1, Kadalkudi (dist Toothukudi) 1.

**11.07.21** : Chinnakallar (dist Coimbatore) 10, Avalanche (dist Nilgiris) 9, Sholayar (dist Coimbatore) 8, Valparai Taluk Office (dist Coimbatore) , Valparai PAP (dist Coimbatore) 7 each, Valparai Pto (dist Coimbatore) Pandhalur (dist Nilgiris) , Cincona (dist Coimbatore) 6 each, Harisan Estate (dist Nilgiris) 4 , Naduvattam (dist Nilgiris) , G Bazar (dist Nilgiris) 3 each, Devala (dist Nilgiris) , Gummidipoondi (dist Tiruvallur) , Periyar (dist Theni) , Upper Bhavani (dist Nilgiris) , Pechiparai (dist Kanyakumari) , Chittar (dist Kanyakumari) 2 each, Emeralad (dist Nilgiris) , Ayikudi (dist Tenkasi) , Kothagiri (dist Nilgiris) , Uthukottai (dist Tiruvallur) , Ambasamudram (dist Tirunelveli) , Thiruchuzhi (dist Virudhunagar) , Thekkadi (dist Theni) , Nagercoil (dist Kanyakumari) , Papanasam (dist Tirunelveli) , Pollachi (dist Coimbatore), Suralacode (dist Kanyakumari), Perunchani Dam (dist Kanyakumari) , Colachel (dist Kanyakumari) 1 each.

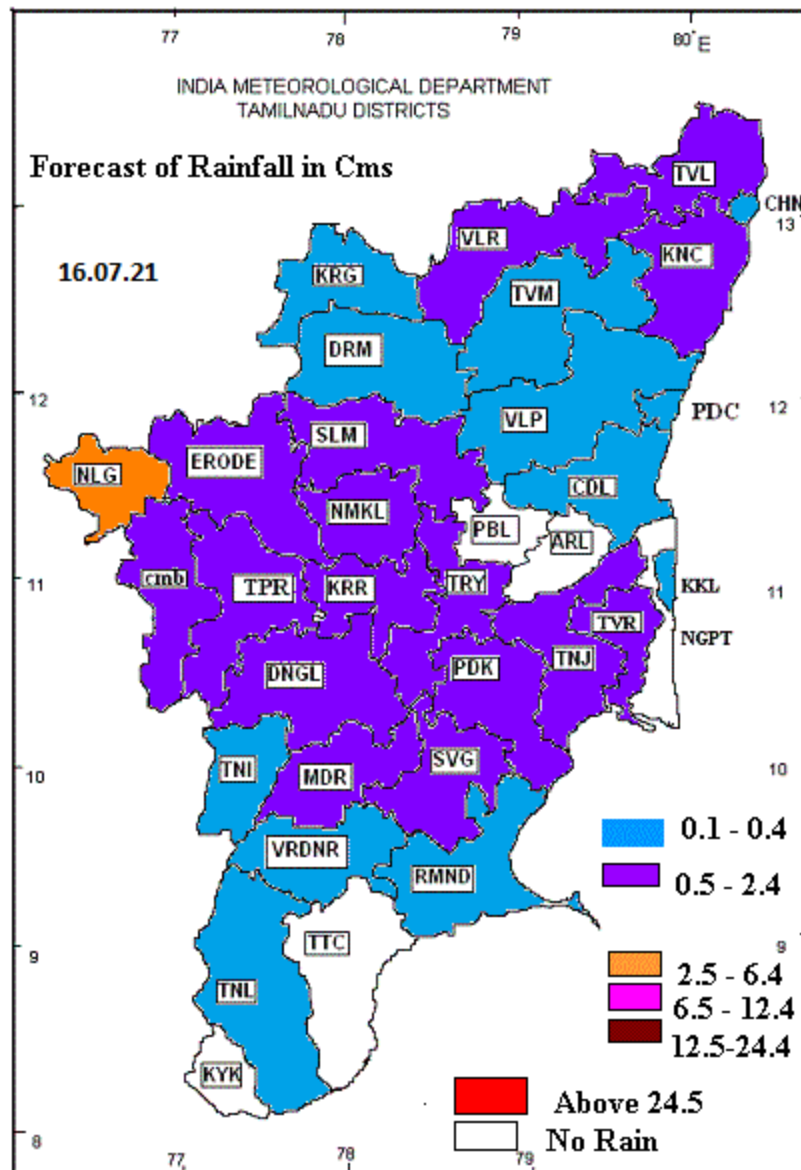
**12.07.21** : Chinnakalar (dist Coimbatore) 7, Cincona (dist Coimbatore) 5, Avalanche (dist Nilgiris) 4, Sholayar (dist Coimbatore), Upper Bhavani (dist Nilgiris) 3 each, Valparai Pto (dist Coimbatore), Naduvattam (dist Nilgiris), Valparai Taluk Office (dist Coimbatore), Sholingur (dist Vellore) 2 each, Devala (dist Nilgiris), Glenmorgan (dist Nilgiris), G Bazar (dist Nilgiris), R.k.pet (dist Tiruvallur), Puzhal Arg (dist Tiruvallur), Sriperumbudur (dist Kancheepuram), Cheyyar (dist Tiruvannamalai), Tambaram (dist Chengalpattu), Poondi (dist Tiruvallur) 1 each.

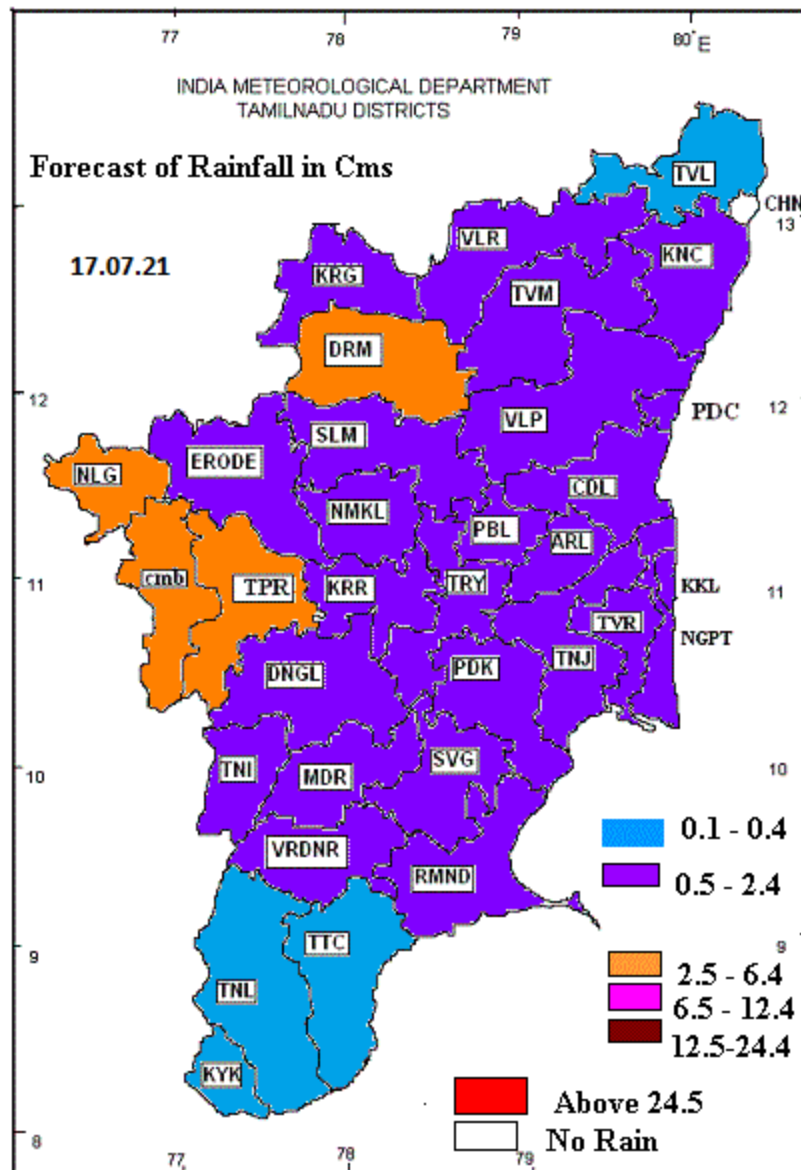
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 13.07.21  
VALID FOR THE NEXT 5 DAYS**

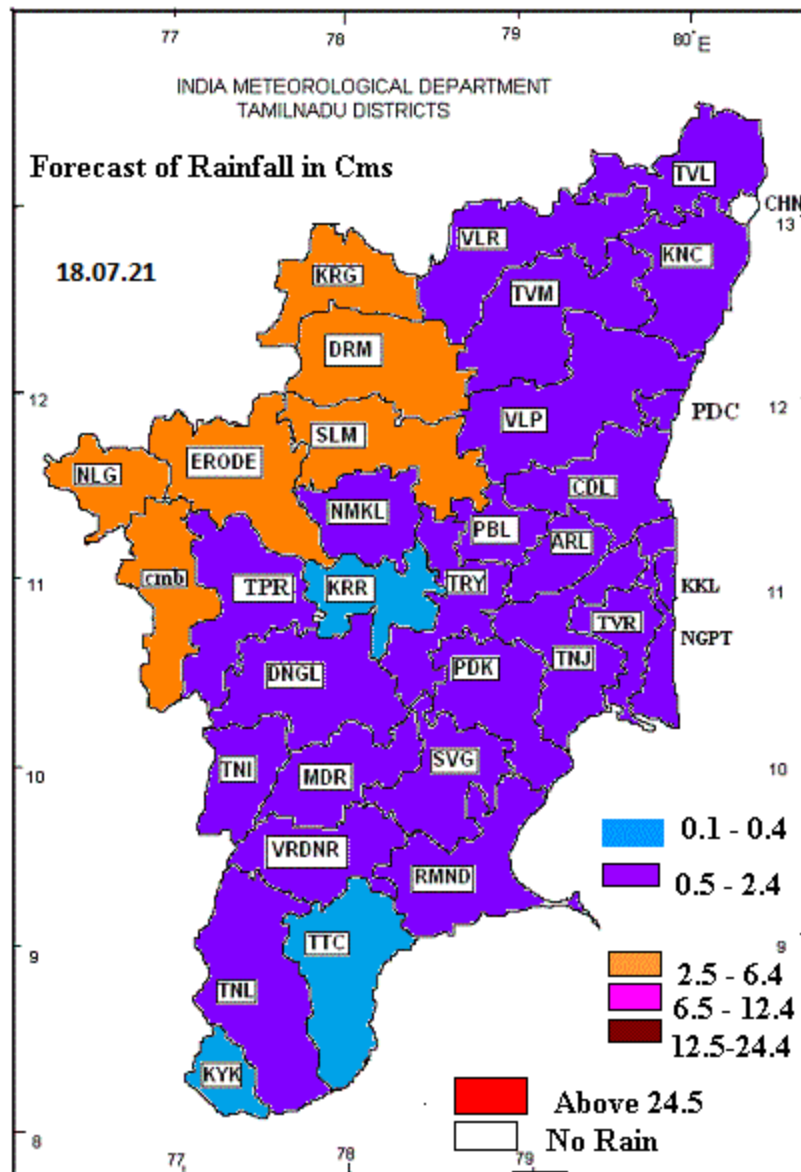












## Districtwise Agromet Advisories

### Chennai

**SMS Advisory: (14.07.2021-17.07.2021):**

Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu.

**Livestock Advisory :**

1. Since light rainfall is forecasted in the fourth week farmers are advised to render the young animals calves and kids safe dry shelter. 2. The hay and dry fodder Meant for dairy animals must be stored in a damp free closed room, to prevent aflatoxin development. 3. The embankment around the goat shed must be checked for rain water stagnation, Dampness with high carbon dioxide concentration will lead to coccidia infection in kids leading to mortality. 4. The bushes and shrubs around dairy shed must be cleaned, to ensure good ventilation as well to prevent vermin deposition. 5. The increased humidity in pig sty may occasionally increase the ammonia concentration to prevent this, the sty must be facilitated with good ventilation. 6. Increased humidity and air temperature may predispose rabbits to fungal infection leading to respiratory distress, to prevent this during rainy season the sidewalls of the rabbitry must be closed with gunny bags to prevent rainwater infiltration. 7. The farmers rearing poultry in backyard system must prevent the birds from drinking, the stagnant water to prevent parasitic infestation. 8. In deep litter system of poultry rearing, the moisture level of litter system must be under check to prevent ammonia accumulation in poultry houses.

### Kancheepuram

As per IMD Extended Range Forecast for the period of 18th to 24th July, 2021 Tamil Nadu & Pondicherry region may likely to receive normal rainfall. Thunderstorm with light rain is likely to occur at isolated places over Kancheepuram & Chengalpattu district on 14.07.2021 – 17.07.2021. The forecasted weather may cause stem borer infestation in rice for management farmers may spray Chlorantraniliprole 18.5% 150 ml/ha.

Crop(Varieties)	Crop Specific Advisory
RICE	The Forecasted weather may cause bacterial leaf blight in Rice. Farmers are advised to monitor their field regularly, if symptoms are observed, it's advised to spray of copper hydroxide 77 WP @1.25 kg/ha.
GROUNDNUT	There are possibilities of early leaf spot disease infestation in groundnut. Based on disease symptoms farmers may spray 200 gram of Carbendazim/acre.
Horticulture(Varieties)	Horticulture Specific Advisory
BOTTLE GOURD	There are possibilities of Fruit fly infestation in cucurbit crops. Farmers are advised to take necessary plant protection measures.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Farmers are advised to vaccinate their animal's against Foot and mouth disease in nearby veterinary dispensary. Farmers are advised not to allow their animals to graze in newly grown green bushy pasture.
GOAT	For Small ruminants farmers are advised to provide salt licks to improve the production. Farmers are advised to Deworm and detick their goat and sheep during this season to avoid parasitic disease infection.

Fisheries(Varieties)	Fisheries Specific Advisory
INLAND	The forecasted rain may alter the pH of fish ponds. Farmers are advised to measure the pH and apply 150-200kg/ha Agri lime or dolomite lime. Morning feed may be given at 7.00 - 8.00 AM and evening feeding may be at 5.00 – 6.00 PM in fish ponds. Farmers are advised add 1-3% of garlic paste in fish feeds. During the farm made fish feed preparations farmers may add sufficient level of vitamins and minerals. Farmers are advised to maintain water transparency at 30- 45 cm by adding organic and inorganic manures.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Provide electrolytes/ B-complex supplements through drinking water to birds to avoid stress in birds. Farmers are advised to vaccinate their birds against Ranikhet disease in nearby veterinary dispensary. During rainy days farmers may provide proper brooding facility to the birds.

## Villupuram

### **SMS Advisory: (14.07.2021-17.07.2021):**

Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu.

### **Livestock Advisory:**

1. Since light rainfall is forecasted in the fourth week farmers are advised to render the young animals calves and kids safe dry shelter. 2. The hay and dry fodder Meant for dairy animals must be stored in a damp free closed room, to prevent aflatoxin development. 3. The embankment around the goat shed must be checked for rain water stagnation, Dampness with high carbon dioxide concentration will lead to coccidia infection in kids leading to mortality. 4. The bushes and shrubs around dairy shed must be cleaned, to ensure good ventilation as well to prevent vermin deposition. 5. The increased humidity in pig sty may occasionally increase the ammonia concentration to prevent this, the sty must be facilitated with good ventilation. 6. Increased humidity and air temperature may predispose rabbits to fungal infection leading to respiratory distress, to prevent this during rainy season the sidewalls of the rabbitry must be closed with gunny bags to prevent rainwater infiltration. 7. The farmers rearing poultry in backyard system must prevent the birds from drinking, the stagnant water to prevent parasitic infestation. 8. In deep litter system of poultry rearing, the moisture level of litter system must be under check to prevent ammonia accumulation in poultry houses.

**Agricultural advisory Rice:** 1. Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 25% WG 100 g/ha or dimethoate 1.5ml/l. 2. Alage in paddy field reduces the growth of crops. To control apply, 2 kg of copper sulphate mix with sand. 3. Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray chlorantraniliprole 18.5% 150 ml/ha or flubendiamide 39.35 SC 50 g/ha during morning or evening hours

**Coconut:** 1. Installation of yellow sticky traps (25 Nos./ ha) on the palm trunk to trap the adult whiteflies. 2. Encourage buildup of parasitoids (*Encarsia* sp.) and reintroduce parasitized pupae at emerging zones of whitefly outbreak. 3. In sever case, spray neem oil 20 ml/l of water or spray Azadirachtin 2.0 ml/l of water with 1.0 ml of sticking agent.

## Thiruvannamalai

### **SMS Advisory: (14.07.2021-17.07.2021):**

Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu.

### **Livestock Advisory:**

1. Since light rainfall is forecasted in the fourth week farmers are advised to render the young animals calves and kids safe dry shelter. 2. The hay and dry fodder Meant for dairy animals must be stored in a damp free closed room, to prevent aflatoxin development. 3. The embankment around the goat shed must be checked for rain water stagnation, Dampness with high carbon dioxide concentration will lead to coccidia infection in kids leading to mortality. 4. The bushes and shrubs around diary shed must be cleaned, to ensure good ventilation as well to prevent vermin deposition. 5. The increased humidity in pig sty may occasionally increase the ammonia concentration to prevent this, the sty must be facilitated with good ventilation. 6. Increased humidity and air temperature may predispose rabbits to fungal infection leading to respiratory distress, to prevent this during rainy season the sidewalls of the rabbitry must be closed with gunny bags to prevent rainwater infiltration. 7. The farmers rearing poultry in backyard system must prevent the birds from drinking, the stagnant water to prevent parasitic infestation. 8. In deep litter system of poultry rearing, the moisture level of litter system must be under check to prevent ammonia accumulation in poultry houses. Agricultural advisory Rice: 1. By utilizing is expected rainfall preparation of rice nursery may be started and if paddy seeds are already sown maintain thin film of water to avoid seed displacement. 2. Alage in paddy field reduces the growth of crops. To control this, apply 2 kg of copper sulphate mix with sand. Coconut: Conserve the expected rainfall by providing basin in coconut farms. Apply fertilizer for the coconut trees more than 5 years @ 650 g urea, 1 kg super phosphate, 1 kg potash per tree. And also apply 250 g of micro nutrient per tree and don't mix micro nutrient with soil. Chilli: To control fruit rot or dieback disease, spray with mancozeb 1 kg or Copper oxychloride 1.25 kg /acre 40 days after transplanting at 20 days interval. Brinjal: Prevailing weather condition is favorable for shoot borer/ fruit borer incidence in brinjal. To control, spray chlorantraniliprole @ 0.5 ml / lit (or ) Emamectin benzoate @ 0.4g/litre. Tomato: This is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg or Pseudomonas fluorescens @ 10g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds Sugarcane: Detrashing and propping may be done in six months old sugarcane to protect against anticipated high wind speed. Jasmine: Prevailing weather is favorable for bud worm incidence. For controlling this pest spray imidachloprid 2ml/lit. (or) dimethoate 2 ml/ lit.

## Thiruvallur

From the extended range forecast, normal rainfall and normal temperature expected for the period of 18th to 24th July over Tamil Nadu.

### **SMS Advisory:**

1. avoid pesticides spray and fertilizer application; 2. proper drainage may be facilitated in recently planted crops.

Crop(Varieties)	Crop Specific Advisory
RICE	Rice- Vegetative stage- 1. Whorl maggots- fipronil 5% SC 400-500 ml per acre in 200 litres of water; 2. Stem bore- Spray Azadirachtin 0.03% 400 ml (Or) Flubendiamide 20% WG 50g.; 3. Leaf folder- Spray Azadirachtin 0.03% 400 ml (Or) Chlorantraniliprole 18.5% SC 150 g per acre in 200 litres of water; 4. Alage growth of paddy field- apply 2 kg of copper sulfate mix with sand; 5. Bacterial leaf blight - spray twice copper hydroxide 77 WP 500g (or) Spray Neem oil 60 EC 3%.

RICE	RICE- Harvesting stage-1. Ear head bug -Spray Neem seed kernel extract 5%; 2.farmers are advice to harvest the mature crop immediately and maintain 8-12% moisture content for safe storage.
GROUNDNUT	Groundnut- 1.Leaf miner- Spray Methyl demeton 25 EC 1000 ml per acre in 200 litres of water; and Set up 4-5 light trap between 8 to 11 pm at ground level; 2. Tobacco caterpillar- Spray Neem oil (2%) 8 litre per acre in 200 litres of water; and Monitor the emergence of adult moths by setting up light and pheromone traps.
Crop(Varieties)	Crop Specific Advisory
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.
Horticulture(Varieties)	Horticulture Specific Advisory
MANGO	Mango- 1.Fruit flies- Pheromone trap with methyl eugenol 1 ml in 1 litre of water + 1 ml of malathion solution will attract and kill the female insects. Take 10 ml of this mixture per trap and keep them in 10 different places in one acre.
GUAVA	Guava- after harvest remove the Branches that cross over each other which leads to higher yields in the following seasons.

### Vellore

As per the IMD extended range forecast (ERF), Tamil Nadu and Puducherry may be receive normal rainfall , temperature for the period of 18.07.2021 to 24.07.2021. Protect the dairy cows and calves from rain. Light rainfall may be expected on forthcoming days. So, farmers are advised to avoid fertilizer application, insecticides or pesticides spray. So, farmers are advised provide drainage for lowland area crops and save excess rainfall in farm ponds. High wind speed (>5 kmph) is expected on forthcoming days, so prop up 5 month old banana and moringa trees.

Crop(Varieties)	Crop Specific Advisory
RICE	Since rain is anticipated, provide drainage for the transplanted short duration Karif rice. In the paddy planting field to apply Beautachlor for weed control 2.5 litre+25 Kg sand per hectare on the third day. Prevailing weather condition is favourable for leaf folder incidence in rice. Hence farmers are requested to monitor the field and spray fipronil 2ml/litre.
GROUNDNUT	To control tikka leaf spot disease in groundnut, spray Mancozeb @ 2g / litre. During rainy season iron deficiency may be seen in groundnut. So, apply Feso4 1% @ 10ml /litre.
JASMINE	Prevailing weather is favorable for bud worm incidence. For controlling this pest spray imidachloprid 2ml/lit. (or) dimethoate 2 ml/ lit.

OKRA/ LADYFINGER	Setup pheromone trap @ 12/ha or spray Azadirachtin 0.03 % 5 g/litre to control bhendi fruit borer.
Horticulture(Va rieties)	Horticulture Specific Advisory
COCONUT	During rainy season, to control rhinoceros beetle in coconut setup light traps.
BRINJAL	Prevailing weather condition is favourable for shoot borer/ fruit borer incidence in brinjal. To control, spray chlorantraniliprole @ 0.5 ml / lit (or ) Emamectin benzoate @ 0.4g/litre. To control little leaf of brinjal, spray imidachlopid@ 2 ml / litre or remove the affected plants.
CHILLI	To control fruit rot or dieback disease, spray with mancozeb 1 kg or Copper oxychloride 1.25 kg /acre 40 days after transplanting at 20 days interval.
BANANA	Spray mancozeb 2g/litre, to control sigatoka leaf spot in banana.
PAPAYA	To control papaya yellow mosaic virus, spray Imidachlopid @ 0.5 ml / litre.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	More chances for Mastitis during rainy season. So apply externally with ointment Mastilep and get treated internally with Tylox by veterinarian.
GOAT	Provide deworming medicine and antidiarhea medicine in consultation with veterinariyan.
Poultry(Varieties)	Poultry Specific Advisory
BREEDER	Back wracking the deep litter remove excessively wet litter, add dry litter materials along with lime powder.

### Cuddalore

As per IMD extended range forecast for the period of 18 to 24th July 2021 TamilNadu likely to receive normal rainfall. Light rainfall to moderate will be expected in the forthcoming days, proper drainage may be provided to the crops to avoid water logging condition.

Crop(Varieties)	Crop Specific Advisory
RICE	In paddy field mite infestation was observed. In leaves both the adults and young ones remain in large numbers on the lower side and suck the juice. Yellowish- brown specks on the upper side of leaves. White patches on lower side of leaves. Seedling in the nurseries and transplanted crop are affected.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.
Crop(Varieties)	Crop Specific Advisory
RICE	1. Prevailing weather condition is favorable for bacterial leaf blight infection in rice crop. To control spray 20% fresh cow dung extract twice (starting from initial appearance of the disease and another at fortnightly interval) or spray twice copper hydroxide 77 WP @ 1.25 kg/ha 30 and 45 days after planting or spray streptomycin sulphate + tetracycline combination @ 300 g + copper oxychloride @c1.25 kg/ha. If necessary repeat 15 days later. 2. Due to prevailing weather condition leaf folder and



	stem borer infestation is identified in paddy crop. To manage the leaf folder and stem borer, spray chlorantraniliprole 18.5% 150 ml/ha or flubendiamide 39.35 SC 50 g/ha during morning or evening hours.
SUGARCANE	Mealy bug and pokkah boeng infection identified in sugarcane crop. Mealy bug affect growth of plants and pokkah boeng 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.
Horticulture(Varieties)	Horticulture Specific Advisory
TAPIOCA	1. Prevailing weather condition is favorable for mealy bug infestation in tapioca crop. To control spray profenophos 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.

### Coimbatore and Erode

#### Agro Advisory

Crop	Stage	Advisory
General		Moderate rainfall along the western ghats and light rainfall in plain of western zone districts is expected. Irrigation may be postponed and proper drainage may be provided in recently planted crops. Forecasted wind speed is around 15 km/hour. Proper support must be provided to banana, sugarcane and other tall growing trees.
Rice	Transplanting	Since moderate rainfall is expected, keep 5cm water in recently transplanted field to avoid seedling displacement.
Sorghum	Vegetative	If rainfall received is more than 15cm, apply Urea @ 25 kg/ha to rainfed sorghum.
Pulses	Germination	By utilizing rainfall both green and black gram sown under irrigated and rainfed situations may be given gap filling in order to maintain 33 plants/m <sup>2</sup> .
Sugarcane	Vegetative	Detrashing and propping may be done in six months old sugarcane to protect against anticipated high wind speed and rainfall. By utilizing the anticipated rainfall, top dressing may be done in late season planted cane with 90kg Nitrogen/ ha + 37kg K <sub>2</sub> O/ ha. Nitrogen may be applied as neem cake blended Urea.
Curry leaf	Vegetative	Leaf spot disease is noticed in Curry leaf due to prevailing weather and hence, spray Carbendazim @ 1g/ lit of water.
Gourds Vegetable	Land preparation	Best season for sowing gourds vegetable is between July 20 <sup>th</sup> - and July 30 <sup>th</sup> Hence dig the pit by utilizing the anticipated rainfall.
Turmeric		Occurrence of leaf spot incidence in turmeric crop may be monitored because of heavy wind, high relative humidity and cloudiness. Spray with Mancozeb 0.25% or copper oxy chloride 0.25% immediately after the appearance of symptom and at 15 days interval.

		By utilizing the rainfall top dressing may be done in Turmeric with 55 kg of Urea and 30kg of Muriate of potash.
Grapes		Considering the anticipated high relative humidity, grapes may get infected with either powdery mildew or downy mildew. To control powdery mildew spray 0.3% wettable sulphur. To control downy mildew, spray 1% Bordeaux mixture.
Animal		Prevailing weather is favourable for mastitis disease in milching animals. Hence, use potassium permanganate for cleaning the udder before and after milking.

#### SMS advisory

Best season for sowing gourds vegetable is between July 20<sup>th</sup> and July 30<sup>th</sup> Hence dig the pit by utilizing the anticipated rainfall.

### Tiruppur

#### Agro Advisory

Crop	Stage	Advisory
General		Moderate rainfall along the western ghats and light rainfall in plain of western zone districts is expected. Irrigation may be postponed and proper drainage may be provided in recently planted crops Forecasted wind speed is around 15 km/hour. Proper support must be provided to banana, sugarcane and other tall growing trees.
Sorghum	Vegetative	If rainfall received is more than 15cm, apply Urea @ 25 kg/ha to rainfed sorghum.
Pulses	Germination	By utilizing rainfall both green and black gram sown under irrigated and rainfed situations may be given gap filling in order to maintain 33 plants/ m <sup>2</sup> .
Sugarcane	Vegetative	Detrashing and propping may be done in six months old sugarcane to protect against anticipated high wind speed and rainfall. By utilizing the anticipated rainfall, top dressing may be done in late season planted cane with 90kg Nitrogen/ ha + 37kg K <sub>2</sub> O/ ha. Nitrogen may be applied as neem cake blended urea.
Gourds Vegetable	Land preparation	Best season for sowing gourds vegetable is between July 20 <sup>th</sup> - and July 30 <sup>th</sup> Hence dig the pit by utilizing the anticipated rainfall.
Banana		Rain may be accompanied with high wind speed of >15 km/hour. Provide adequate stacking to 5 months old and above banana against lodging.
Animal		Prevailing weather is favourable for mastitis disease in milching animals. Hence, use potassium permanganate for cleaning the udder before and after milking.

#### SMS advisory

Best season for sowing gourds vegetable is between July 20<sup>th</sup> and July 30<sup>th</sup>. Hence dig the pit by utilizing the anticipated rainfall.

## Nilgiris

### Agro Advisory

Crop	Stage	Advisory
General	All the stage	As there is forecast heavy rainfall in next five days, sowing / planting may be undertaken using expected rainfall and spraying of chemicals may be avoided. Provide proper drainage in the field for excess water.
Vegetable crops	Vegetative stage	Prevailing weather pattern is conducive for cutworm infestation. Cut worms infestation can be controlled by installing light traps. Light traps should be switched on from 7 pm to 10 pm to attract adults.
Cabbage crop	Vegetative stage	Cabbage crop, to attract diamond back moth insect, mustard can be grown as trap crop in the ratio of 20:1
Potato	vegetative stage	Disease resistant potato variety kufri girdhari may be chosen for planting to avoid disease incidence during July monsoon period.
Crucifiers crops	Vegetative stage	If the incidence of head rot disease is noticed in cabbage and cauliflower, growers are advised to spray Copper Oxy Chloride @ 2g/l to control head rot disease in Cabbage & Cauliflower.

### SMS advisory

As there is forecast heavy rainfall in next five days, provide proper drainage in the field for excess water.

## Ariyalur, Karur & Perambalur

### Agro-meteorological Advisory

• The prevailing weather condition favors reddening in cotton. To correct this problem apply 2 % MgSO<sub>4</sub>, Urea 1 % and 0.1% ZnSO<sub>4</sub> as foliar spray. • To increase yield upto 20%, drought tolerance and decreases the flower shedding spray pulse wonder 2kg/acre in 200 litres of water at flowering stage. To control & decreases the button shedding in coconut, Give root feeding of the coconut tonic @ 200 ml/palm at 6 months interval. • Before monsoon ensure that cows and buffaloes were vaccinated against food and mouth disease.

### SMS advisory

• To control & decreases the button shedding in coconut, Give root feeding of the coconut tonic @ 200 ml/palm at 6 months interval.

## Nagapattinam, Thanjavur & Thiruvarur

### Agro-meteorological Advisory

• At active tillering stage of Kuruvai paddy, top dressing can be done with 35 kg urea and 10 kg MOP/acre by keeping thin film of water in the field. The prevailing weather condition favors reddening in cotton. To correct this problem apply 2 % MgSO<sub>4</sub>, Urea 1 % and 0.1% ZnSO<sub>4</sub> as foliar spray. • To

control & decreases the button shedding in coconut, Give root feeding of the coconut tonic @ 200 ml/palm at 6 months interval. • Before monsoon ensure that cows and buffaloes were vaccinated against food and mouth disease.

**SMS advisory**

• To control & decreases the button shedding in coconut, Give root feeding of the coconut tonic @ 200 ml/palm at 6 months interval.

**Thiruchirapalli**

Tamilnadu’s average rainfall is likely to be increase than the normal during this week (14.07.2021 to 20.07.2021) From 2.08 mm to 3.82 mm. Light rainfall will be expected in forthcoming days. So farmers are advised to irrigate the crops based on soil moisture and postpone the spraying process or spray in alternative days.

Live Stock(Varieties)	Live Stock Specific Advisory
GOAT	Pneumonia in goats – Fever, Respiratory distress, Mucous discharge from nostril, Reduced feed intake & Weight gain and Cough. Remedial measures: Provide clean water and ventilated house.
COW	To avoid mastitis disease in milching animals use potassium permanganate for cleaning the udder before and after milking.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Since wind speed is expected to increase with prevailing high temperature sufficient quantity of good quality of water is necessary to the poultry birds. Further providing feed during morning hours to avoid food wastage and hanging of gunny bags the border of the shed is beneficial. Maximum temperature is more than 32 °C, electrolytes may be added in the chicken feeds to increase the feed intake

**Dindigul**

Thunderstorm with light to moderate rain is likely to occur at isolated places over the district on 14th, 15th, 16th & 17th Jul 2021.

THUNDERSTORM WARNING: 14.07.2021 & 17.07.2021:

Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu. Chances of light rain on 15, 16 Jul & Moderate rain on 17, 18 Jul. Max temp- 33°C-35°C & Min temp - 23°C-24°C. Generally cloudy sky for next 5 days. Wind speed 10 kmph from W direction.

Horticulture(Varieties)	Horticulture Specific Advisory
LEMON	Prevailing weather condition, there are incense of Fruit sucking moth in Acid lime. Keep the field clean without weed. Bait with fermented molasses plus Abamectin @ 50 ml/acre can be used for control. Bag the fruits with polythene bags punctured at the bottom. Apply smoke and set up light traps or food lures (pieces of citrus fruits) for control.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Some amount of rain is received and the monsoon rain is also expected for the coming days. This situation is favourable for the development of Aflatoxin infection in the Corn kernels and Paddy Straw, which may affect the health of

	your cattle. To save your cattle from infection, dry the Corn kernels and Paddy Straw before feeding.
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### Madurai

Thunderstorm with light to moderate rain is likely to occur at isolated places over the district on 16th & 17th Jul 2021.

THUNDERSTORM WARNING: 14.07.2021 & 17.07.2021: Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu. Chances of light rain on 15, 16 Jul & Moderate rain on 17, 18 Jul. Max temp- 33°C-35°C & Min temp - 23°C-25°C. Generally cloudy sky for next 5 days. Wind speed 10 kmph from W direction.

Crop(Varieties)	Crop Specific Advisory
JASMINE	Due to the prevailing weather condition, the incense of Collar rot and Root rot in Jasmine. Plants at all stages are infected. First the older leaves become yellow followed by younger leaves and finally death of the plant. In the root black discoloration can be seen .On the infected tissues and stem surface white strands of mycelia and mustard like sclerotia are seen. To control this, heavy application of FYM with Trichoderma viride is recommended.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Some amount of rain is received and the monsoon rain is also expected for the coming days. This situation is favourable for the development of Aflatoxin infection in the Corn kernels and Paddy Straw, which may affect the health of your cattle. To save your cattle from infection, dry the Corn kernels and Paddy Straw before feeding.

### Pudukottai

Extended Range Forecast For Tamil Nadu 18.07.2021 to 21 .07.2021 (:During the Week from 18 th to 21 th july Normal Rainfall . maximum temperature and minimum temperature Normal is likely to occur over Tamilnadu. Basins can be formed and coir compost should be applied to conserve moisture in banana, coconut and vegetable crops.

Crop(Varieties)	Crop Specific Advisory
SORGHUM (JOWAR/GREAT MILLET)	Due to prevailing climatic conditions , can be done pre-sowing in rainfed conditions. Sowing of Sorghum seeds at a depth of 5 cm and Seed hardening ensures high germination. The seeds are pre-soaked in 2% potassium dihydrogen phosphate solution for 6 hours in equal volume and then dried back to its original moisture content in shade and are used for sowing.
Crop(Varieties)	Crop Specific Advisory
RICE	Due to prevailing climatic conditions, stem borer is seen kuruvai season Paddy. Spraying 3.03% of Azadirachtin 1000 ml /ha or Carbofuran 3% CG @ 25kg /ha is recommended.

Horticulture(Varieties)	Horticulture Specific Advisory
JACK FRUIT	For well matured trees 1650 g urea, 2220 g superphosphate 850g potash fertilizer and 50 kg manure has to be made through and applied for jack breeds.
BANANA	To control Wilt on banana, diseased trees should be cut down. And lime 1-2 kg / pit. can be applied.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Before monsoon ensure that cows and buffaloes were vaccinated against food and mouth disease.
Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	As heavy winds coupled with rainfall are expected staking and drainage facilities should be given to young rubber, banana and fruit trees.

### Ramanathapuram

From extended range forecast, Normal rainfall, Normal maximum temperature and minimum temperature expected for the period of July 18 to July 24 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
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. Sparaying of 5 ml of neem oil in one liter of water along with 1 ml of sandovit.
BRINJAL	Due to the prevailing weather condition incidence of fruit borer is expected in brinjal. The damage symptoms withering of terminal shoots and dead hearts. Bore holes on shoots and fruits plugged with excreta. Shedding of flower buds. If symptoms are observed in the field spray any one of the following chemicals. Thiodicarb 75% WP 400g /ac or Quinalphos 25% EC 600ml/ac or Emamectin benzoate 5% SG 80g/ac

### Sivagangai

Thunderstorm with light to moderate rain is likely to occur at isolated places over the district on 16th & 17th Jul 2021.

THUNDERSTORM WARNING: 14.07.02021 & 17.07.2021: Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu. Chances of Moderate rain during 16, 17& 18 Jul. Max temp- 34°C-35°C & Min temp - 23°C-25°C. Generally cloudy sky for next 5 days. Wind speed 10 kmph from W direction.

Crop(Varieties)	Crop Specific Advisory
TOMATO	Due to the prevailing weather condition the incense of Septoria Leaf Spot in Tomato. The plant may be attacked at any stage of its growth. The disease is characterized by numerous, small, grey, circular leaf spots having dark border. Remove and destruct the affected plant parts. Treating the seeds with Thiram or Dithane M-45 (2gms/kg seed) is useful in checking seed borne infection. Spraying Copper-oxychloride @ 350gm per acre in the field may effectively control the disease.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Some amount of rain is received and the monsoon rain is also expected for the coming days. This situation is favourable for the development of Aflatoxin infection in the Corn kernels and Paddy Straw, which may affect the health of your cattle. To save your cattle from infection, dry the Corn kernels and Paddy Straw before feeding.

### Theni

Thunderstorm with light to moderate rain is likely to occur at isolated places over the district on 14th, 15th, 16th & 17th Jul 2021.

THUNDERSTORM WARNING: 14.07.02021 & 17.07.2021:

Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu. Chances of light rain on 15, 16 Jul & Moderate rain on 17, 18 Jul. Max temp- 31°C-32°C & Min temp - 21°C-23°C. Generally cloudy sky for next 5 days. Wind speed 10 kmph from W direction.

Horticulture(Varieties)	Horticulture Specific Advisory
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GUAVA	Due to prevailing weather condition the incidence of Fruit fly in Guava. The symptoms are adults and maggots attack semi-ripe fruits Ovipositor punctures on fruits, Maggots destroy and convert pulp into a bad smelling. Collect and destroy fallen and infested fruits. Use methyl eugenol lure trap @ 25 Nos. per hectare to monitor and kill the adults of fruit flies. Bait spray combining molasses or jaggery 10g/litre and Fipronil @ 35ml/ 10litres of water, two rounds at fortnight interval before ripening of fruits.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Some amount of rain is received and the monsoon rain is also expected for the coming days. This situation is favourable for the development of Aflatoxin infection in the Corn kernels and Paddy Straw, which may affect the health of your cattle. To save your cattle from infection, dry the Corn kernels and Paddy Straw before feeding.

### Virudhunagar District

Crop/ Ecosystem	Stage / Activities	Advisories
Weather		Thunderstorm with light to moderate rain is likely to occur at a few places on Day 4 (16.07.2021) and Day 5 (17.07.2021). 5-23 km/hr. of wind speed is predicted for block level.
Irrigated crops	Water management	Based on the receipt of rainfall on particular location, Postpone the irrigate.
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.
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.
Onion		Larval damage in onion: Spray chlorpyrifos 20EC @ 1.5 ml/ Lt of water.
Livestock protection	Cattle	Foot and Mouth Disease: Highly contagious viral disease of cattle, sheep, goat and pigs. Affected animals may exhibit the following symptoms. 1.Fever,2. Loss of appetite, 3. Drop in milk Yield 4. Blisters in foot & mouth, 5. Excessive salivation 6. Lameness. Treatment: 1. Isolation of affected animals 2. Antibiotic therapy to counteract secondary bacterial infections. 3. Rice gruel can be given to the affected animals. 4. The wounds should be washed with 1% KMNO <sub>4</sub> . Solution followed by the application of Boric acid and glycerin paste. Prevention: 1. Regular vaccination can protect the animals from the disease. 2. Strict Bio-security measures should be followed.
	Poultry	Ranikhet Disease: viral disease of poultry affecting all ages of



		domestic fowl characterized by the rapid onset, respiratory signs, nervous signs and high mortality. The virus spread mainly through aerosol route and by Ingestion of contaminated feed and water. Prevention: Periodical vaccination should be followed. Poultry farmers can vaccinate their birds at nearby veterinary Dispensary where vaccination programme for Rainkhet disease in being carried out on every Saturday.
	Goat	PPR - Peste - des - petits Ruminants. Highly contagious viral disease of goats causes high mortality. Affected animals will have high fever, loss of appetite, foul smelling diarrhoea and discharge from eyes & Nose. Prevention & control measures: i. Regular vaccination can prevent the occurrence of the disease. ii. vaccination should be done to the kids above 3 months and should be repeated every year. iii. Affected animals should be treated separately. iv. wash the oral lesions with 1% KMNO <sub>4</sub> solution V. Give soft feeds like Rice or Ragi gruel to the affected animals. Vi. Strict bio- security measure should be followed. vii. Animal's shed should be regularly disinfected with bleaching powder.

SMS: Rain: 16 to 18.07.2021 - 3, 8, & 8 mm. Based on the receipt of rainfall on particular location, Postpone the Irrigate. Onion - Larval damage: Spray chlorpyrifos 20EC @ 1.5 ml/ Lt of water.

#### Tirunelveli District

Crop/ Ecosystem	Stage / Activities	Advisories
Weather		Light to moderate rain is likely to occur at isolated places on Day 1 (13.07.2021). Thunderstorm with Light to moderate rain is likely to occur at isolated places on Day 2 (14.07.2021) and Day 3 (15.07.2021). Thunderstorm with light to moderate rain is likely to occur at a few places on Day 4 (16.07.2021) and Day 5 (17.07.2021). 12-28 km/hr. block level wind speed is predicted.
Irrigated crops	Water management	Based on the receipt of rainfall on particular location, Postpone the irrigation
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	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. In the prevailing weather condition sucking pest - Thrips occurrence is noticed. Symptoms- Leaf shows discoloration and

		rolling. Yellow (or) silvery streaks on the leaves of young seedlings. Terminal rolling and drying of leaves from tip to base. Spray Azadirachtin 0.15% W/W @1500-2500 g/ha. (or) Thiamethoxam 25% WG 100 g/ha.
Cotton	Vegetative stage	Prevailing weather is conducive for Aphids. To control spray Dimethoate 30 EC 500ml/ha (or) Azadirachtin 0.03% EC 500 ml/ha
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.

SMS: Rain: 14 to 18.07.2021 - 4, 3, 3, 4 & 8 mm. Postponed the irrigation. Cotton- Aphids.- To control spray Dimethoate 30 EC 500ml/ha (or) Azadirachtin 0.03% EC 500 ml/ha.

#### Thoothukudi District

Crop/ Ecosystem	Stage / Activities	Advisories
Weather		Thunderstorm with Light rain is likely to occur at isolated places on Day 3 (15.07.2021). Thunderstorm with light to moderate rain is likely to occur at a few places on Day 4 (16.07.2021) and Day 5 (17.07.2021). 11-28 km/hr. wind speed is predicted for block level
Irrigated crops	Water management	Based on the receipt of rainfall on particular location, Irrigate the crop.
Paddy	Vegetative to Tillering stage	Prevailed weather is conducive for Leaf folder. So farmers are advised to spray Azadirachtin 0.03% 1000ml/ha. (or) Chlorotriniptrole 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
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.
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: 13.07.2021 & 14.07.2021- 4 & 4 mm. Irrigate the crop. Paddy – Leaf folder - spray Azadirachtin 0.03% 1000ml/ha. (or) Chlorotriniptrole 18.5%SC @ 150g/ha.

Tamil Nadu

Next five days	Weather Warning	<p>Heavy rain is likely to occur at isolated places over Nilgiris and Coimbatore districts. Light to moderate rain is likely to occur at isolated places over rest western Ghat districts, Kanyakumari, Tirunelveli, Erode, Dharmapuri, Krishnagiri, Tirupattur and Salem districts. Light rain is likely to occur at isolated places over north coastal Tamilnadu, Puducherry and Karaikal. Sky condition is likely to be generally cloudy over rest Tamilnadu on Day 1 (13.07.2021).</p> <p>Thunderstorm with Heavy rain is likely to occur at isolated places over Nilgiris and Coimbatore districts. Thunderstorm with Light to moderate rain is likely to occur at isolated places over rest western Ghat districts, Kanyakumari, Tirunelveli, Erode, Dharmapuri, Krishnagiri, Tirupattur and Salem districts. Light rain is likely to occur at isolated places over north coastal Tamilnadu, Puducherry and Karaikal. Sky condition is likely to be generally cloudy over rest Tamilnadu Day 2 (14.07.2021).</p> <p>Thunderstorm with Heavy rain is likely to occur at isolated places over Nilgiris and Coimbatore districts. Thunderstorm with Light to moderate rain is likely to occur at isolated places over rest Western Ghat districts, Erode, Dharmapuri, Krishnagiri and Salem districts. Thunderstorm with Light rain is likely to occur at isolated places over coastal Tamilnadu, Puducherry and Karaikal. Sky condition is likely to be generally cloudy over rest Tamilnadu on Day 3 (15.07.2021).</p> <p>Thunderstorm with Heavy rain is likely to occur at isolated places over Nilgiris and Coimbatore districts. Thunderstorm with light to moderate rain is likely to occur at a few places over rest Tamilnadu, Puducherry and Karaikal on Day 4 (16.07.2021).</p> <p>Thunderstorm with light to moderate rain is likely to occur at a few places over Tamilnadu, Puducherry and Karaikal on Day 5 (17.07.2021).</p>
	Heavy Rainfall Warning :	<p>Day 1(13.07.2021): Heavy rain is likely to occur at isolated places over Nilgiris and Coimbatore districts.</p> <p>Day 2(14.07.2021) &amp; Day 5(17.07.2021): Thunderstorm with heavy rain is likely to occur at isolated places over Nilgiris and Coimbatore districts.</p>
	Thunderstorm Warning:	<p>Day 2(14.07.2021) &amp; Day 5(17.07.2021): Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu.</p>
Extended range of forecast		2021-07-18 to 2021-07-24 – Rainfall is predicted to be normal.

### Salem

Weather Advisory Bulletin for livestock, poultry and agro advisory

Livestock, Poultry and Crop	Stage	Weather advisory
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Agro advisory from Krishi Vigyan Kendra, Salem:		
Farmers are requested to download and utilize the agricultural based mobile apps suggested by TNAU (TNAU AAS, Meghdoot& DAMINI).		
Tapioca	Vegetative	In tapioca for the management of mealybugs, Follow the following recommendations: Clipping the terminal shoots Collection and destruction of mealybugs infested plants During Initial stages of infestation spray azadirachtin 0.15% EC @ 5 ml/lit. Or FORS @ 2ml/lit Need based application of insecticides viz.,flonicamide 50 WG @ 0.3 gm /lit or thiamethoxam 25 WG@ 0.5gm/lit or Spirotetramet 150 OD@ 1.25ml/lit in rotation. During application combining the insecticides should be avoided. Spray should be done on need basis using high volume sprayer, directing all parts of the plants, weeds and leaf litters in and around the field
Paddy	Vegetative	In paddy, for the management of rice leaf folder, spray Chlorantraniliprole 18.5% SC @ 150 ml/ha or Fipronil 80%WG @ 50-62.5 g/ha or Flubendiamide 39.35% M/M SC @ 50 ml/ha or Indoxacarb 15.8% EC @ 200 ml/ha orThiamethoxam 25% WG @ 100 g/ha.
Coconut	General	In coconut, for the management of Coconut Red Palm Weevil Setting up of attractant traps (mud pots) containing sugarcane molasses 2½ kg or toddy 2½ litres + acetic acid 5 ml + yeast 5 g + longitudinally split tender coconut stem/logs of green petiole of leaves of 30 numbers in one acre to trap adult red palm weevils in large numbers.Install pheromone trap @1/2 ha
Crops	General	Since light to moderate rainfall is expected in the forthcoming days, so during insecticide or herbicide spraying use sticking agent.
Cassava	Vegetative	In cassava, for the management of mealybugs spray profenophos 2ml/l tot thiamethoxam 0.6 gm/lit.
Livestock	General	Supplementation of 25-30 gram of mineral mixture to cattle provides essential minerals required for reproduction, and there by reduces the incidence of infertility in cattle.
		Daily fogging or aerosoling for adult mosquitoes may provide relief (over fogging causes breathing problem) , for effective control draining mosquito breeding sites are advised.

### Namakkal

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

Livestock, poultry & Crop	Stage	Weather advisory
Livestock	General advisory	Livestock Insurance Scheme 2020-21 is being implemented by the Department of Animal Husbandry in Namakkal District and a target of 4900 unit has been allotted. Under this scheme, farmers can avail the benefit of livestock insurance

		for their dairy animals with premium subsidy up to the market value of Rs. 35,000/ -. A subsidy of 50 per cent in premium payment will be given to dairy farmers who are above poverty line and 70 per cent subsidy will be given in premium payment for those below the poverty line, scheduled caste and scheduled tribes. Under this scheme, cows and buffaloes between the ages of 2.5 and 8 years can be insured and a maximum of 5 cows and buffaloes per family can be insured. Farmers who are willing to insure their dairy animals are requested to visit the nearest veterinary dispensary for further information.
Livestock	General	The greens in pasture returned due to recent monsoon showers. As these greens may remain for 7 to 10 days, farmers are advised to make use of it for their milch animals and other livestock.
Poultry	General	As the wind speed will be high, the poultry farmers having raised platform sheds should be careful in avoiding feed wastage. High wind speed is expected during next two ensuing months. Addition of vegetable oil in small quantities and using of side hangings will prevent wastage of feed particularly loss of valuable supplements like vitamins.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Groundnut	Vegetative stage	Farmers are advised to spray post emergence herbicide "Imazethapyr 10 %S L" @ 400 ml / acre with 200 litre of water with available forecasted rain to control weeds in groundnut field.
Vegetable Crops	Before sowing	Farmers are advised to apply 200 kg of well decomposed farm yard manure along with each 1 kg of trichoderma viride and pseudomonas fluorescence per acre before sowing of aadi season vegetable crops.
Castor	Flowering stage	Castor crop attained flowering stage who were cultivated in chithirai pattam. Hence, farmers are advised to do foliar spray of growth hormone Castor Gold @ 0.5 ml / litre of water during morning hours to increase the female flowers production for achieving higher yield.
Tapioca	Vegetative stage	Mealy bug incidence was noticed in tapioca crop. Hence farmers are advised to do spraying of Verticillium lecanii @ 8 gram / litre of water for 2 times at 15 days interval.

### Dharmapuri

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

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Dharmapuri :		
Pulses	Before sowing	To control the seed borne diseases the in pulses growers are advised to treat the seed with Trichoderma viride @ 4g/kg of recommend.
Sugarcane	Vegetative	Prevailing weather condition is favourable for early shoot borer in sugarcane crop to prevent that spray Chlorpyrifos 1000 ml/ha with a sticker like Teepol (250 ml / 500 L of water) can be used.
Tomato	Vegetative	Farmers those who are growing tomato can control sucking pests using neem seed extract 5% (or) pungam

		seed extract 5% and yellow sticky trap@25/ha.
Turmeric	Vegetative	Top dressing in turmeric,application of 54 kg of urea and 25kg of potash each at 30,60,90.120and 150days after planting for one hectare is recommended.
Livestock	General	During this season Pestedes petitis ruminants PPR in goat, vaccination is suggested during this time.

### Krishnagiri

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

Livestock, poultry & Crop	Stage	Weather advisory
Livestock	General	The greens in pasture returned due to recent monsoon showers. As these greens may remain for 7 to 10 days, farmers are advised to make use of it for their milch animals and other livestock.
Poultry	General	As the wind speed will be high, the poultry farmers having raised platform sheds should be careful in avoiding feed wastage. High wind speed is expected during next two ensuing months. Addition of vegetable oil in small quantities and using of side hangings will prevent wastage of feed particularly loss of valuable supplements like vitamins.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Groundnut	Vegetative stage	Farmers are advised to spray post emergence herbicide "Imazethapyr 10 %S L" @ 400 ml / acre with 200 litre of water with available forecasted rain to control weeds in groundnut field.
Vegetable Crops	Before sowing	Farmers are advised to apply 200 kg of well decomposed farm yard manure along with each 1 kg of trichoderma viride and pseudomonas fluorescence per acre before sowing of aadi season vegetable crops.
Castor	Flowering stage	Castor crop attained flowering stage who were cultivated in chithirai pattam. Hence, farmers are advised to do foliar spray of growth hormone Castor Gold @ 0.5 ml / litre of water during morning hours to increase the female flowers production for achieving higher yield.
Tapioca	Vegetative stage	Mealy bug incidence was noticed in tapioca crop. Hence farmers are advised to do spraying of Verticillium lecanii @ 8 gram / litre of water for 2 times at 15 days interval.

### Kanyakumari

#### AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
1.			There are possibilities of rainfall on 14.07.21, 17.07.21 and 18.07.21. Maximum temperature will be around 310C and minimum temperature will be around 250 C. Cloudy condition may prevail. The relative humidity will be 60 to 90 %. Wind speed may be 15 km / hr in West direction.

2.	Agricultural and horticultural crops	Planting Stage	Preparatory cultivation can be started for planting of paddy and horticultural crops such as vegetables, rubber, coconut etc
3	Pepper	Maturity stages	The spike shedding can be reduced by foliar spray of Diammonium Phosphate 1.0% four times viz., before flower initiation (May), during new leaves and flower emergence (June), before spike initiation (July) and pinhead stage of berries (August).
4.	Fruit trees and Tree spices	All stages	Strengthening the basins may be taken up for better harvesting of rains.
5.	Banana	All stages	Since the wind speed is 15 km/hr staking should be given to banana.
6.	Coconut	Nut bearing stage.	For nut bearing coconut, root feeding of TNAU coconut tonic @ 200 ml per tree.

#### SMS Advisory

Husk burial can be done in coconut basins or in the interspaces to preserve rain water.

#### Karaikal

##### **Weather based Agro-Advisories :**

To manage mealy bug in cotton, spray Thiamethoxam 25 WG @ 100 g/ha or Buprofezin 25 SC @1000 ml/ha.

To manage white fly in cotton, spray Azadirachtin 0.03 (300 ppm) @ 2500-5000 ml/ha or Thiamethoxam 25 WG 200 g/ha.

To manage tobacco cutworm in brinjal, spray Bacillus thuringiensis 2g/l or Novaluron 10% EC 1 ml/l or flubendamide 0.2 – 0.3 ml/l

To manage Brinjal shoot borer, apply neem cake 200 kg/ha or spray Emamectin Benzoate 4% SG @ 0.4g/l

The prevailing weather conditions are favorable for the Babesiosis disease in cattle. High fever, dark coloured urine, less intake of feed and less milk yield are the symptoms of Babesiosis disease. If these symptoms appear in the cattle, contact nearby dispensary. As a preventive measure, apply Butox @ 2 ml/l of water on cattle and also spray it on the nearby areas of the cattle shed to control ectoparasites.

##### **SMS advisory:**

Light to moderate rain is likely to occur for next five days, farmers may postpone irrigation.

#### Puducherry

##### **Weather based Agro-Advisories :**

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.

For tapioca, cassava mosaic disease (CMD) resistant variety, Sree padmanabha may be grown till 31st July.

To manage CMD in tapioca, spray 3% neem oil or methyl demeton 2ml/lit or Dimethoate 1ml/lit or Acetamiprid 0.3g/l.

To manage Brinjal shoot borer, apply neem cake 200 kg/ha or spray Emamectin Benzoate 4% SG @ 0.4g/l.

To manage tobacco cutworm in brinjal, spray Bacillus thuringiensis 2g/l or Novaluron 10% EC 1 ml/l or flubendamide 0.2 – 0.3 ml/l

The prevailing weather conditions are favorable for the Babesiosis disease in cattle. High fever, dark coloured urine, less intake of feed and less milk yield are the symptoms of Babesiosis disease. If these symptoms appear in the cattle, contact nearby dispensary. As a preventive measure, apply Butox @ 2 ml/l of water on cattle and also spray it on the nearby areas of the cattle shed to control ectoparasites.

**SMS advisory:**

Light to moderate rain is likely to occur for next five days, farmers may postpone irrigation.

**BLOCK LEVEL FORECAST**

**TIRUCHIRAPPALLI District**

**ANDANALLUR, LALGUDI, MANACHANELLUR, MANAPPARAI, MANIKANDAM, MARUNGAPURI, MUSIRI, PULLAMBADI, TATTAYANGARPETTAI, THIRUVERAMBUR, THOTTIAM, TURAIYUR, UPPILIAPURAM & VAIYAMPATTI Blocks**

Tamilnadu's average rainfall is likely to be increase than the normal during this week (14.07.2021 to 20.07.2021) From 2.08 mm to 3.82 mm. Light rainfall will be expected in forthcoming days. So farmers are advised to irrigate the crops based on soil moisture and postpone the spraying process or spray in alternative days.

Live Stock(Varieties)	Live Stock Specific Advisory
GOAT	Pneumonia in goats – Fever, Respiratory distress, Mucous discharge from nostril, Reduced feed intake & Weight gain and Cough. Remedial measures: Provide clean water and ventilated house.
COW	To avoid mastitis disease in milching animals use potassium permanganate for cleaning the udder before and after milking.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Since wind speed is expected to increase with prevailing high temperature sufficient quantity of good quality of water is necessary to the poultry birds. Further providing feed during morning hours to avoid food wastage and hanging of gunny bags the border of the shed is beneficial. Maximum temperature is more than 32 °C, electrolytes may be added in the chicken feeds to increase the feed intake



**NILGIRIS DISTRICT**

**Coonoor, Gudalur, Kotagiri and Ooty Blocks**

**Agro Advisory**

Crop	Stage	Advisory
General	All the stage	As there is forecast heavy rainfall in next five days, sowing / planting may be undertaken using expected rainfall and spraying of chemicals may be avoided. Provide proper drainage in the field for excess water.
Vegetable crops	Vegetative stage	Prevailing weather pattern is conducive for cutworm infestation. Cut worms infestation can be controlled by installing light traps. Light traps should be switched on from 7 pm to 10 pm to attract adults.
Cabbage crop	Vegetative stage	Cabbage crop, to attract diamond back moth insect, mustard can be grown as trap crop in the ratio of 20:1
Potato	vegetative stage	Disease resistant potato variety kufri girdhari may be chosen for planting to avoid disease incidence during July monsoon period.
Crucifiers crops	Vegetative stage	If the incidence of head rot disease is noticed in cabbage and cauliflower, growers are advised to spray Copper Oxy Chloride @ 2g/l to control head rot disease in Cabbage & Cauliflower.

**SMS advisory**

As there is forecast heavy rainfall in next five days, provide proper drainage in the field for excess water.

