



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

## **DISTRICT LEVEL**

# **Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 070/2021**

For the period 0830 IST, 31<sup>st</sup> August 2021 to  
0830 IST, 05<sup>th</sup> September 2021

**Issued on Tuesday, 31<sup>st</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 27.08.21 to 30.08.21 for the State of Tamilnadu & Puducherry**

**Temperature:**

Maximum Temperature of range 28°C – 37°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 15°C – 22°C during the period.

Minimum temperature of range 21°C - 27°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 08°C - 12°C during the same period.

**Spatial distribution of Rainfall**

Spatial distribution of Rainfall	Date	Area
Widespread (Most places)	--	--
Fairly widespread (Many places)	--	--
Scattered (Few Places)	27.08.21, 28.08.21 & 29.08.21 27.08.21 & 28.08.21	Tamil Nadu Puducherry
Isolated (One or Two Places)	30.08.21	Tamil Nadu
Dry	29.08.21 & 30.08.21	Puducherry

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

**27.08.21** : Kalasapakkam (dist Thiruvannamalai) 14, Kancheepuram (dist Kancheepuram), Vembakkam (dist Tiruvannamalai), Arani (dist Tiruvannamalai) 8 each, Cholavaram (dist Tiruvallur), Polur (dist Tiruvannamalai), Kodanadu (dist Nilgiris) 7 each, Puzhal ARG (dist Tiruvallur), Cheyyar (dist Tiruvannamalai), Pandhalur (dist Nilgiris) 6 each, Sholayar (dist Coimbatore), Valparai PTO (dist Coimbatore), Kalavai Aws (dist Ranipet), Vepur (dist Cuddalore) 5 each, Vaniyambadi (dist Tirupattur), Chinnakalar (dist Coimbatore), Pechiparai (dist Kanyakumari), Katpadi (dist Vellore), Odanchatram (dist Dindigul), Periyar (dist Theni), Thirukalukundram (dist Chengalpattu), Sendurai (dist Ariyalur), Kadavanur (dist Kallakurichi), Cincona (dist Coimbatore) 4 each, Mettur (dist Salem), Chengalpattu (dist Chengalpattu), Walajabad (dist Kancheepuram), Chittar (dist Kanyakumari), Kodaikanal (dist Dindigul), Perunchani Dam (dist Kanyakumari), Wallajah (dist Ranipet), Arcot (dist Ranipet), Vellore (dist Vellore), Ponnai Dam (dist Vellore), Ketti (dist Nilgiris), Omalur (dist Salem), Red Hills (dist Tiruvallur), Vanur (dist Villupuram), Valavanur (dist Villupuram), Valparai Taluk Office (dist Coimbatore), Valparai PAP (dist Coimbatore), Sivalogam (dist Kanyakumari) 3 each, Uthiramerur (dist Kancheepuram), Thekkadi (dist Theni), Tiruttani PTO (dist Tiruvallur), Ambathur (dist Tiruvallur), Melalathur (dist Vellore), Mahabalipuram (dist Chengalpattu), Srimushnam (dist Cuddalore), Uthagamandalam (dist Nilgiris), Puducherry (dist Puducherry), Danishpet (dist Salem), Krishnagiri (dist Krishnagiri), R.K.Pet (dist

Tiruvallur), Ambur (dist Tirupattur), Vadapudupattu (dist Tirupattur), Nedungal (dist Krishnagiri), Gudalur Bazar (dist Nilgiris), Poonamallee (dist Tiruvallur), Ammundi (dist Vellore), Chembarabakkam (dist Tiruvallur), Hosur (dist Krishnagiri), Ayikudi (dist Tenkasi), Krishnarayapuram (dist Karur), Uthukottai (dist Tiruvallur), Mayanur (dist Karur), Perambur (dist Chennai), Gudalur (dist Theni) 2 each, Virinjipuram AWS (dist Vellore), Kaveripakkam (dist Ranipet), Suralacode (dist Kanyakumari), Devala (dist Nilgiris), Amaravathy Dam (dist Tiruppur), Pullambadi (dist Trichy), Labbaikudikadu (dist Perambalur), Sholingur (dist Ranipet), Natrampalli (dist Tirupattur), Poondi (dist Tiruvallur), Thogamalai (dist Karur), Budalur (dist Thanjavur), Kuzhithurai (dist Kanyakumari), Kelambakkam (dist Chengalpattu), Thirupporur (dist Chengalpattu), Pollachi (dist Coimbatore), Samayapuram (dist Trichy), Orthanad (dist Thanjavur), Tirupathur PTO (dist Tirupattur), Panruti (dist Cuddalore), Kallakurichi (dist Kallakurichi), Veerapandi (dist Theni), Tiruttani (dist Tiruvallur), Coonoor PTO (dist Nilgiris), Pallipattu (dist Tiruvallur), Ulundurpet (dist Kallakurichi) 1 each.

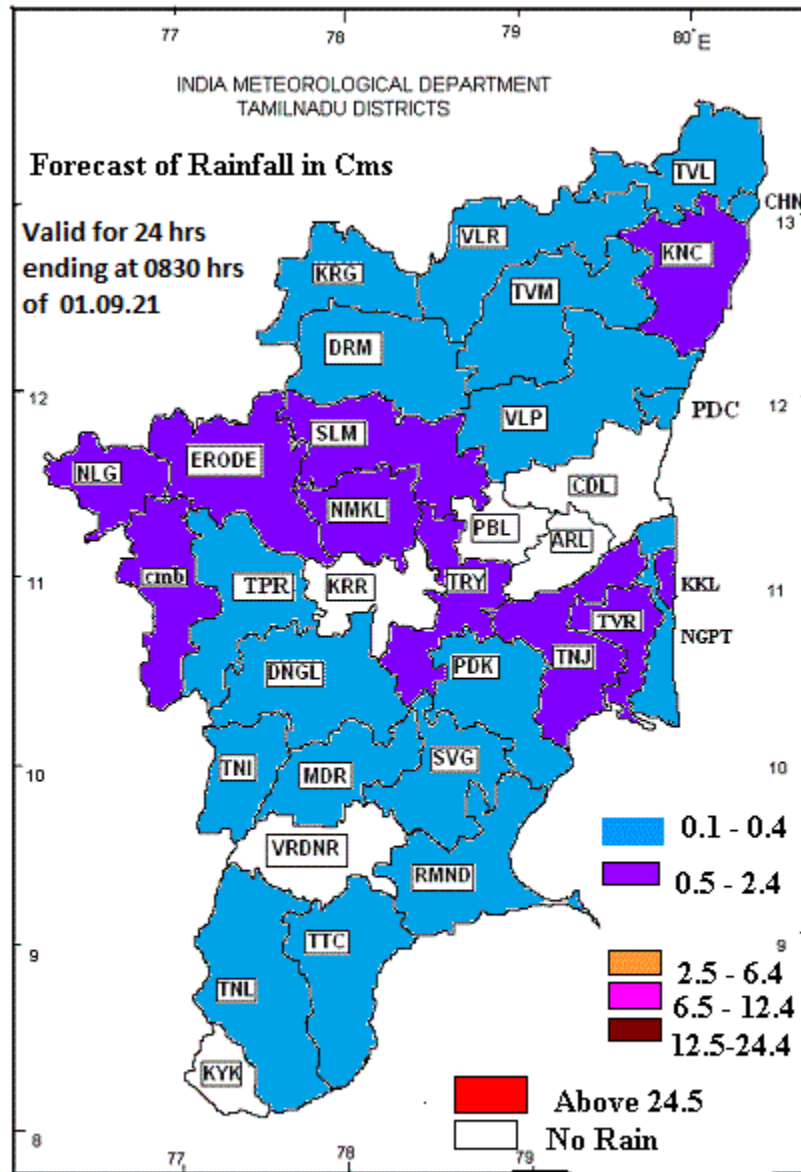
**28.08.21** : Tirupattur (dist Tirupattur) 7, Tirupathur Pto (dist Tirupattur) 6, Gingee (dist Villupuram) 6, Sholayar (dist Coimbatore) 6, Marakkanam (dist Villupuram) 5, Thirupporur (dist Chengalpattu) 5, Vilupuram (dist Villupuram) 5, Parangipettai (dist Cuddalore) 5, Ponnai Dam (dist Vellore) 4, Chinnakalar (dist Coimbatore) 4, Good Will School Villivakkam (dist Tiruvallur), Thiruvalangadu (dist Tiruvallur) 4, Tiruvallur (dist Tiruvallur) 4, Keelpennathur (dist Tiruvannamalai) 4, Avalanche (dist Nilgiris) 4, Vanur (dist Villupuram) 4, Perambur (dist Chennai) 4, Polur (dist Tiruvannamalai) 4, Tiruttani (dist Tiruvallur) 4, Kancheepuram (dist Kancheepuram) 4, Ambur (dist Tirupattur) 4, Krishnagiri (dist Krishnagiri) 3, Devala (dist Nilgiris) 3, Ambathur (dist Tiruvallur) 3, Vadapudupattu (dist Tirupattur) 3, Cuddalore (dist Cuddalore) 3, Kurinjiyadi (dist Cuddalore) 3, Valparai Pto (dist Coimbatore) 3, Valparai Taluk Office (dist Coimbatore) 3, Puzhal Arg (dist Tiruvallur) 3, Virinjipuram Aws (dist Vellore) 3, Vandavasi (dist Tiruvannamalai) 3, Cheyyar (dist Tiruvannamalai) 3, Upper Bhavani (dist Nilgiris) 3, Kaveripakkam (dist Ranipet) 3, Danishpet (dist Salem) 3, Alangayam (dist Tirupattur) 3, Kallakurichi (dist Kallakurichi) 3, Ammundi (dist Vellore) 3, Thandampettai (dist Tiruvannamalai) 3, Arani (dist Tiruvannamalai) 3, Chengam (dist Tiruvannamalai) 3, Kelambakkam (dist Chengalpattu) 3, Wallajah (dist Ranipet) 3, Perunchani Dam (dist Kanyakumari) 2, Srimushnam (dist Cuddalore) 2, Poondi (dist Tiruvallur) 2, Thamarapakkam (dist Tiruvallur) 2, Bhuvanagiri (dist Cuddalore) 2, Pennagaram (dist Dharmapuri) 2, Dgp Office (dist Chennai) 2, Maduranthagam (dist Chengalpattu) 2, Hosur (dist Krishnagiri) 2, G Bazar (dist Nilgiris) 2, Anna Uty Arg (dist Chennai) 2, Uthiramerur (dist Kancheepuram) 2, Kalavai Aws (dist Ranipet) 2, Katpadi (dist Vellore) 2, Melalathur (dist Vellore) 2, Ayikudi (dist Tenkasi) 2, Tambaram (dist Chengalpattu) 2, Nedungal (dist Krishnagiri) 2, R.k.pet (dist Tiruvallur) 2, Mylam Aws (dist Villupuram) 2, Thirukoilur Arg (dist Kallakurichi) 2, Sriperumbudur (dist Kancheepuram) 2, Vellore (dist Vellore) 2, Pallipattu (dist Tiruvallur) 2, Sholingur (dist Ranipet) 2, Arcot (dist Ranipet) 2, Natrampalli (dist Tirupattur) 2, Rayakottah (dist Krishnagiri) 2, Cheyyur (dist Chengalpattu) 2, Penucondapuram (dist Krishnagiri) 2, Sethiathope (dist Cuddalore) 2, Panruti (dist Cuddalore) 2, Tiruvannamalai (dist Tiruvannamalai) 2, Alandur (dist Chennai) 1, Chennai Ap (dist Chennai) 1, Red Hills (dist Tiruvallur) 1, Labbaikudikadu (dist Perambalur) 1, Tiruttani Pto (dist Tiruvallur) 1, Arakonam (dist Ranipet) 1, Poonamallee (dist Tiruvallur) 1, Chembarabakkam (dist Tiruvallur) 1, Neyveli Aws (dist Cuddalore) 1, Pelandurai (dist Cuddalore) 1, Sholinganallur (dist Chennai) 1, Cholavaram (dist Tiruvallur) 1, Satyabama Uty Arg (dist Chengalpattu) 1, Barur (dist Krishnagiri) 1, Chidambaram (dist Cuddalore) 1, Uthagamandalam (dist Nilgiris) 1, Puducherry (dist Puducherry) 1, Uthukottai (dist Tiruvallur) 1, Vembakkam (dist Tiruvannamalai) 1, Tirukoilur (dist Kallakurichi) 1, Chennai(n) (dist Chennai) 1, Suralacode (dist Kanyakumari) 1, Gudiyatham (dist Vellore) 1, Vaniaymbadi (dist Tirupattur) 1, Vepur (dist Cuddalore) 1, Tindivanam (dist Villupuram) 1, Emeralad (dist Nilgiris) 1, Walajabad (dist Kancheepuram) 1, Thuckalay (dist Kanyakumari) 1, Chengalpattu (dist Chengalpattu) 1, Kuzhithurai (dist

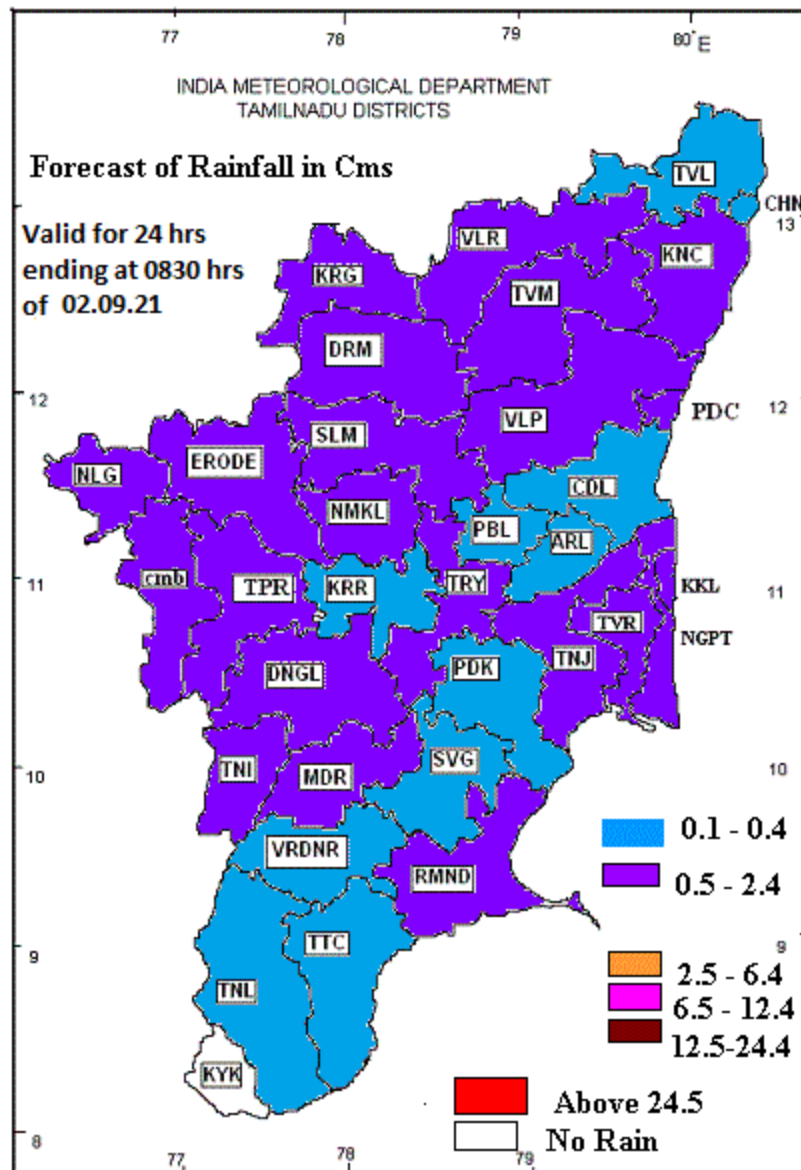
Kanyakumari) 1, Ulundurpet (dist Kallakurichi) 1, Pochampalli (dist Krishnagiri) 1, Attur (dist Salem) 1, K Bridge (dist Nilgiris) 1, Tozhudur (dist Cuddalore) 1, Chittar (dist Kanyakumari) 1, Sankarapuram (dist Kallakurichi) 1, Thalavadi (dist Erode) 1, Chidambaram Aws (dist Cuddalore) 1, Anna University (dist Chennai) 1, Thirukalukundram (dist Chengalpattu) 1, Pechiparai (dist Kanyakumari) 1, Dharmapuri Pto (dist Dharmapuri) 1, Yercaud (dist Salem) 1, Agaram Seegoor (dist Perambalur) 1, Thekkadi (dist Theni) 1.

**29.08.21** : Satyabhama University ARG (dist Chengalpattu) , Avalanche (dist Nilgiris) 9 each, Chinnakalar (dist Coimbatore) 8, Naduvattam (dist Nilgiris) 7, Kelambakkam (dist Chengalpattu) , Pandhalur (dist Nilgiris) 6 each, Sholinganallur (dist Chennai), Kaveripakkam (dist Ranipet), MGR Nagar (dist Chennai), Ayanavaram (dist Chennai), Sholingur (dist Ranipet), Devala (dist Nilgiris), Valparai PTO (dist Coimbatore), Chincona (dist Coimbatore) 5 each, Cholavaram (dist Tiruvallur), YMCA Nandanam (dist Chennai), Tondaiarpatt (dist Chennai), Goodwill School Villivakkam (dist Tiruvallur), G Bazar (dist Nilgiris), Sholayar (dist Coimbatore), Anna University (dist Chennai), Ponnai Dam (dist Vellore), Upper Gudalur (dist Nilgiris) 4 each, Anna University ARG (dist Chennai), Chennai AP (dist Chennai), Taramani Arg (dist Chennai), Alandur (dist Chennai), MRC Nagar ARG (dist Chennai), Valparai Taluk Office (dist Coimbatore), Ambattur (dist Tiruvallur), Chennai(n) (dist Chennai), Puzhal ARG (dist Tiruvallur), Perambur (dist Chennai), Tambaram (dist Chengalpattu), Perunchani Dam (dist Kanyakumari), DGP Office (dist Chennai), Thamaraipakkam (dist Tiruvallur), Tiruttani (dist Tiruvallur), Vanamadevi (dist Cuddalore), Puthan dam (dist Kanyakumari) 3 each, Srimushnam (dist Cuddalore), Periyar (dist Theni), Poondi (dist Tiruvallur), Emerald (dist Nilgiris), Tiruttani PTO (dist Tiruvallur), Glenmorgan (dist Nilgiris), Ponneri (dist Tiruvallur), Poonamallee (dist Tiruvallur), Ayikudi (dist Tenkasi), Red Hills (dist Tiruvallur), Thekkadi (dist Theni), Veerapandi (dist Theni), Gingee (dist Villupuram), Mahabalipuram (dist Chengalpattu) 2 each, West Tambaram (dist Chengalpattu), Virudachalam (dist Cuddalore), Ammundi (dist Vellore), Pelandurai (dist Cuddalore), Cheyyur (dist Chengalpattu), Papanasam (dist Tirunelveli), Wallajah (dist Ranipet), R.K.Pet (dist Tiruvallur), Arakonam (dist Ranipet), Koratur (dist Tiruvallur), Katpadi (dist Vellore), Cuddalore (dist Cuddalore), Vellore (dist Vellore), Upper Bhavani (dist Nilgiris), K Bridge (dist Nilgiris), Walajabad (dist Kancheepuram), Thirupporur (dist Chengalpattu), Chembarambakkam (dist Tiruvallur), Kuzhithurai (dist Kanyakumari), Sriperumbudur (dist Kancheepuram), Tiruvallur (dist Tiruvallur), Thirukalukundram (dist Chengalpattu), Arcot (dist Ranipet), Kancheepuram (dist Kancheepuram), Suralacode (dist Kanyakumari), Chembarambakkam Arg (dist Tiruvallur), Pechiparai (dist Kanyakumari), Melalathur (dist Vellore), Coonoor (dist Nilgiris), Uthagamandalam (dist Nilgiris), Yercaud (dist Salem), Coonoor Pto (dist Nilgiris), Thenkasi (dist Tenkasi) 1 each.

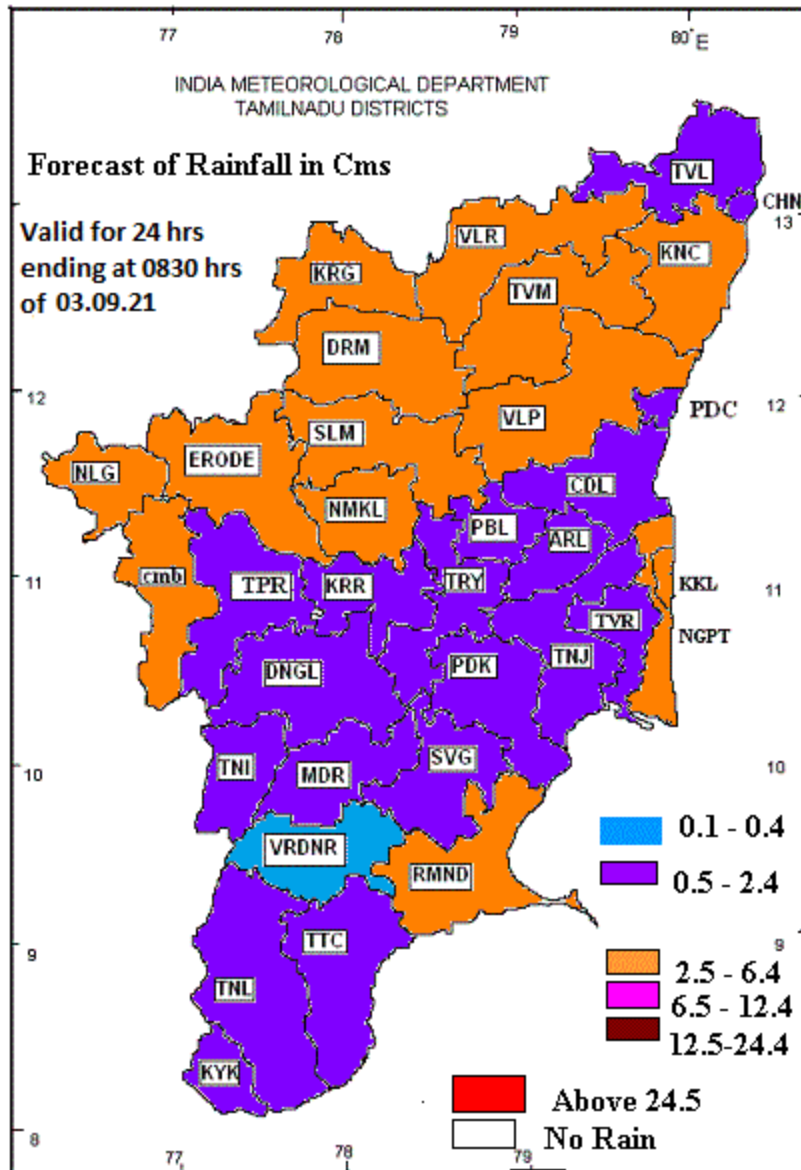
**30.08.21** : Chinnakalar (dist Coimbatore), Valparai Taluk Office (dist Coimbatore), Valapara PAP (dist Coimbatore) 4 each, Sholayar (dist Coimbatore), Kuzhithurai (dist Kanyakumari), Suralacode (dist Kanyakumari), Avalanche (dist Nilgiris), Valparai PTO (dist Coimbatore), Cincona (dist Coimbatore), Kannimar (dist Kanyakumari) 3 each, Devala (dist Nilgiris), Perunchani Dam (dist Kanyakumari), Thekkadi (dist Theni), Bhoothapandy (dist Kanyakumari), Chittar (dist Kanyakumari), Colachel (dist Kanyakumari), Nagercoil (dist Kanyakumari), Puthan dam (dist Kanyakumari), Pandhalur (dist Nilgiris) 2 each, Chennai AP (dist Chennai), Anna University (dist Chennai), Mylaudy (dist Kanyakumari), Upper Bhavani (dist Nilgiris), Periyar (dist Theni), Eraniel (dist Kanyakumari), Naduvattam (dist Nilgiris), Radhapuram (dist Tirunelveli), Pechiparai (dist Kanyakumari), Papanasam (dist Tirunelveli), Ambasamudram (dist Tirunelveli), Coonoor (dist Nilgiris), Pochampalli (dist Krishnagiri), Barur (dist Krishnagiri), Gudalur (dist Theni), Sholinganallur (dist Chennai), Kanyakumari (dist Kanyakumari), Tozhudur (dist Cuddalore), Lakkur (dist Cuddalore) 1 each.

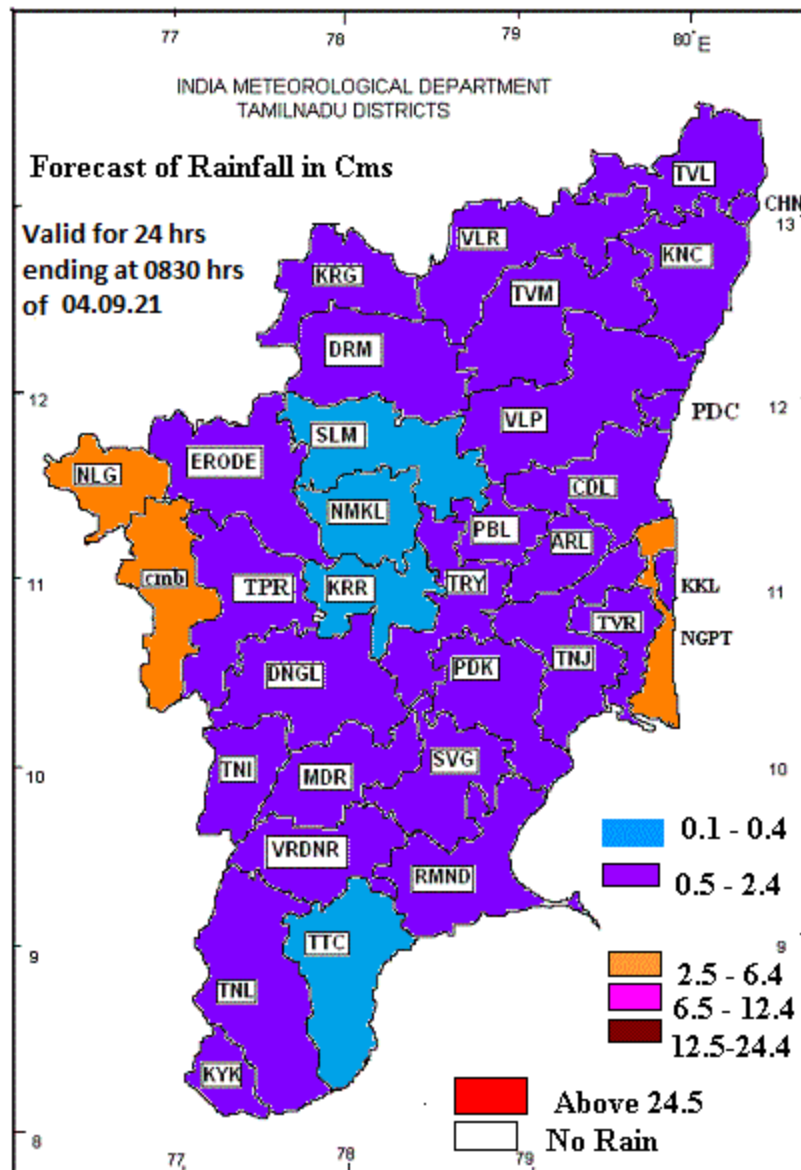
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 31.08.21  
VALID FOR THE NEXT 5 DAYS**

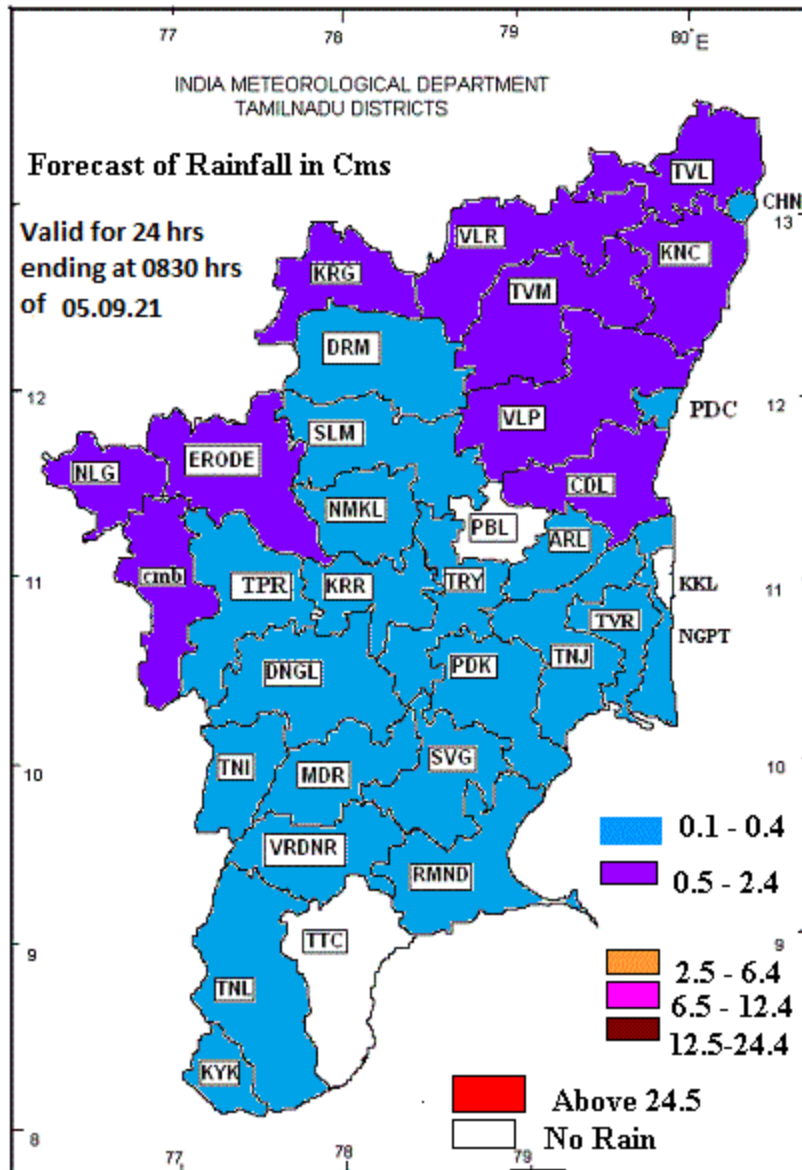












## Districtwise Agromet Advisories

### Chennai

**SMS Advisory: (01.09.2021-04.09.2021):**

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

**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 05.09.2021 to 11.09.2021 Tamil Nadu & Pondicherry region may likely to receive higher rainfall than the normal. On 02.09.2021 – 05.09.2021 Thunderstorm with lightning is likely to occur at isolated places over Kanchipuram and chengalpattu district. By viewing the rainfall forecast farmers may store their harvest paddy in well dried, ventilated and raised platform in godowns to avoid fungal infestation and rain damage. Farmers may provide clean and warm (Boiled and cooled) water to chicks to avoid E.Coli infection among the birds.

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.
BLACK GRAM	There are possibilities of yellow mosaic virus in black gram, for vector management farmers are advised to spray dimethoate 30 EC 500 ml/ha.

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 Fruit and shoot borer infestation in brinjal. Farmers are advised to monitor the brinjal field and advised to take necessary plant protection measures.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Farmers are advised to vaccinate their dairy animals against FMD disease in nearby veterinary dispensary to protect them against disease incidence. Farmers are advised to deworm & detick the calves and cattle before monsoon to avoid parasitic incidence.
SHEEP	Farmers are advised to protect their sheep and goat against PPR by vaccinating in nearby veterinary dispensary. Farmers may deworm the goat and sheep before monsoon to protect them from disease.
Fisheries(Varieties)	Fisheries Specific Advisory
INLAND	Rainwater harvesting fish farmers are advised to reduce the water level by ½ to 1 feet during rainy season to avoid damage to the pond dyke. Fish/prawn pond water quality parameters may be evaluated to avoid the climatic stress.
Poultry(Varieties)	Poultry Specific Advisory
CHICK	Farmers are advised to vaccinate their poultry birds against Ranikhet disease before the monsoon rainfall starts to protect the birds against the disease. Farmers may provide clean and warm (Boiled and cooled) water to chicks to avoid E.Coli infection among the birds.

## Villupuram

### **SMS Advisory: (02.09.2021-03.09.2021):**

Thunderstorm with Heavy rain is likely to occur at isolated places over cuddalore, salem, pudukottai and delta 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 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: 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 sprayspinetoram 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 Trichodermaviride @ 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 Trichodermaasperellum @ 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 Chloropyriphos ( 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.

## Thiruvannamalai

### **SMS Advisory: (01.09.2021-04.09.2021):**

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

### **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 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 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. Bhendi: 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.

## Vellore

As per the IMD extended range forecast (ERF), Tamil Nadu and Puducherry may be receive above normal rainfall and normal temperature for the period of 05.09.2021 to 11.09.2021. 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. Very light to moderate rainfall may be expected on forthcoming days. So, 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 army worm 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(Va rieties)	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	To control panama wilt in 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
BREEDER	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 05.09.21 to 11.09.2021 over Tamil Nadu. Light to moderate rainfall expecting forthcoming days, so farmers are advised to provide proper drainage to crops.

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 sprayspinetoram 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.
COTTON	Due to prevailing weather condition there are chances of cotton green leaf hopper infestation. To control spray thiamethoxam 25 WG 0.6 gram/litre or imidacloprid 17.8 SL 0.6 ml/litre.

### Coimbatore

#### Agro Advisory

Crop	Stage	Advisory
General		Moderate rainfall with wind speed of 20 km/hour is expected. Hence provide adequate support to banana and sugarcane.
Rice	Nursery preparation and Tillering	Anticipating rainfall, raised bed nursery for sowing may be prepared 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 away in the next day morning. Repeat it for 2 days. Kuruvai rice crop at flowering stage may be top dressed with 30 kg urea and 10 kg murate of potash per acre. Do not drain water in top dressed plot.
Sorghum		By utilizing rainfall, fodder sorghum or cowpea may be sown under rainfed lands
Maize	Sowing	By utilizing 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. By utilizing the rainfall thinning / gap filling of maize and cotton is advised to maintain population.
Groundnut	Flowering	Weather conditions is favorable for the tikka leaf spot incidence in Groundnut. 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, moderate rainfall is expected, tomato seedling may be transplanted in ridges and furrows to prevent root rot.
Turmeric	Vegetative	Since rain fall is expected suitable drainage facilities may be created to the turmeric crop. Due to rain and high may be noticed relative humidity, rhizome rot infection in turmeric. Drench with Bordeaux mixture 1% or Copper oxy chloride 0.25%.
Grapes		Downy mildew in grapes may be intensified with high relative humidity and cloud cover. Spray 1% Bordeaux mixture or any other copper fungicide @ 0.25% .
Animal		Farmers are advised not to allow their animals to graze near pond or lake areas to avoid fluke infestation

		<p>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. Should be done.</p> <p>Present weather is conducive for foot and mouth disease in dairy animals and cattle. All farmers must vaccinate the animals to control the disease.</p>
--	--	---

SMS advisory

Since, moderate rainfall is expected tomato seedling may be transplanted in ridges and furrows to prevent root rot.

**Erode**

Agro Advisory

Crop	Stage	Advisory
General		Moderate rainfall with wind speed of 20 km/hour is expected, hence provide adequate support to banana and sugarcane.
Rice	Nursery preparation and Tillering	<p>Anticipating rainfall, raised bed nursery may be prepared for sowing samba season medium duration rice.</p> <p>To prevent drifting of samba rice seeds due to anticipated rain, impound water in the nursery during evening and drain away in the next day morning. Repeat it for 2 days.</p> <p>Kuruvai rice crop at flowering stage may be top dressed with 30 kg urea and 10 kg murate of potash per acre. Do not drain water in top dressed plot.</p>
Sorghum		By utilizing rainfall, fodder sorghum or cowpea may be sown under rainfed lands
Maize	Sowing	<p>By utilizing expected rainfall, maize crop can be sown in both under irrigated as well as rainfed condition. While growing the crop under rainfed condition one or two lifesaving irrigations are necessary.</p> <p>By utilizing the rainfall thinning / gap filling of maize and cotton is advised to maintain population.</p>
Groundnut	Flowering	Weather conditions is favorable for the tikka leaf spot incidence in Groundnut. 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, moderate rainfall is expected, tomato seedling may be transplanted in ridges and furrows to prevent root rot.
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.
Turmeric	Vegetative	<p>Since rain fall is expected suitable drainage facilities may be created to the turmeric crop.</p> <p>Due to rain and high may be noticed relative humidity rhizome rot would initiate infection in turmeric. Drench with Bordeaux mixture 1% or Copper oxy chloride 0.25%.</p>
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 to reduce the wind speed should be done. Present weather is conducive for foot and mouth disease in dairy animals and cattle. All farmers must vaccinate the animals to control the disease.
--	--	---

SMS advisory

Since, moderate rainfall is expected, tomato seedling may be transplanted in ridges and furrows to prevent root rot.

**Tiruppur**

Agro Advisoy

Crop	Stage	Advisory
General		Moderate rainfall with wind speed of 20 km/hour is expected, hence provide adequate support to banana and sugarcane.
Sorghum		By utilizing rainfall, fodder sorghum or cowpea may be sown under rainfed lands
Maize	Sowing	By utilizing expected rainfall, maize crop can be sown in both under irrigated as well as rainfed condition. While growing the crop under rainfed condition one or two lifesaving irrigations are necessary. By utilizing the rainfall, thinning / gap filling of maize and cotton is advised to maintain population.
Groundnut	Flowering	Weather conditions is favorable for the tikka leaf spot incidence in Groundnut. 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, moderate rainfall is expected, tomato seedling may be transplanted in ridges and furrows to prevent root rot.
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.
Turmeric	Vegetative	Since rain fall is expected suitable drainage facilities may be created to the turmeric crop. Due to rain and high may be noticed relative humidity rhizome rot would initiate infection in turmeric. Drench with Bordeaux mixture 1% or Copper oxy chloride 0.25%.
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 to reduce the wind speed should be done. Present weather is conducive for foot and mouth disease in dairy animals and cattle. All farmers must vaccinate the animals to control the disease.

SMS advisory

Since, moderate rainfall is expected tomato seedling may be transplanted in ridges and furrows to prevent root rot.

## Nilgiris

### Agro Advisory

Crop	Stage	Advisory
General	All the stage	Next five days heavy 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. Widespread incidence of Ash weevil is observed in horticultural crops. To control Ash weevils, Spray phosalone 35 EC @ 1.5 ml/lit of water.
vegetable crops	all the stage	Spray bionoculant Pseudomoans @ 10 ml per litre of water to prevent disease incidence due to continuous rainfall.
Plantation crops		In pepper plantation, 1% DAP spray may be given on leaves to prevent spike drop and for enhanced yield.
		In Arecanut plantation, 220 grams Urea, 220 grams Super phosphate and 230 grams potash may be given per tree in the post monsoon period.
Cattle		Due to Heavy heavy 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

Spray bionoculant Pseudomoans @ 10 ml per litre of water to prevent disease incidence due to continuous rainfall.

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

### 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.
- 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.

## Dindigul

**THUNDERSTORM WARNING:** Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu on 01 to 04 September 2021. Keep your Livestock / Animals safely in the shelters. Extended Range Forecast for Tamil Nadu (03.09.2021 -09.09.2021): Some parts of Tamilnadu region may receive Below Normal Rainfall during subsequent one week 3 to 9 September 2021. Chances of light rain during 1, 2, 4, 5 Sep & Moderate rain on 3 Sep. Max temp- 34°C-35°C & Min temp -24°C-25°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from W direction.

Crop(Varieties)	Crop Specific Advisory
GROUNDNUT	Prevailing weather condition is suitable for Gypsum application. Apply gypsum @ 400 kg/ha by the side of the plants on the 40th to 45th day of sowing for irrigated crop and 40th to 75th day of sowing for rain fed crops. Apply gypsum, hoe and incorporate in the soil and then earth up. Application of Gypsum is essential for calcium and sulphur deficient soil.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Due to the prevailing weather condition, cattle growers are advised to allow the cattle for grazing after 2 hrs of sunrise, cover the sides of cow shed with gunny bags, keep the floor in dry condition. To avoid the fungal infection, both the dry fodders and green fodders should be fed without moisture.

### Madurai

THUNDERSTORM WARNING: Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu on 01 to 04 September 2021. Keep your Livestock / Animals safely in the shelters. Extended Range Forecast for Tamil Nadu (03.09.2021 -09.09.2021): Some parts of Tamilnadu region may receive Below Normal Rainfall during subsequent one week 3 to 9 September 2021. Chances of light rain during 1, 2, 4, 5 Sep & Moderate rain on 3 Sep. Max temp- 34°C-35°C & Min temp -24°C-25°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from W direction.

Horticulture(Varieties)	Horticulture Specific Advisory
BRINJAL	Due to the prevailing weather condition, the incense of Leaf spot disease noticed in Brinjal plants. This disease normally occurs during the monsoon period and during the cloudy days. Spreading of this disease can be controlled by spraying the bio-inputs Pseudomonas florescence, Bacillus subtilus @ each 10ml or 10gm per litre of water. By using chemical method spray Dythene M45 @ 2gm/lit with the interval of 15 days.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Due to the prevailing weather condition, cattle growers are advised to allow the cattle for grazing after 2 hrs of sunrise, cover the sides of cow shed with gunny bags, keep the floor in dry condition. To avoid the fungal infection, both the dry fodders and green fodders should be fed without moisture.

### Pudukottai

Extended Range Forecast For Tamil Nadu 05 .09.2021 to 11.09.2021. During the Week from 05 th to 11 th September Above Normal Rainfall . maximum temperature and minimum temperature Normal is likely to occur over Tamilnadu. By utilizing rainfall, fodder sorghum or cowpea may be sown under rainfed lands.

Crop(Varieties)	Crop Specific Advisory
GROUNDNUT	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)

RICE	To control leaf blight and sucking insects, mix 2 ml / l of Azadirachtin in running water and spray through the leaf.
JASMINE	If jasmine plants are deficient in nutrients due to heavy rains so far, spray 5 g of ferrous sulfate solution per liter once in 3 months to prevent yellowing of leaves, iron deficiency, root rot and root rot and iron deficiency. For root rot, a 0.25% solution of copper oxychloride should be applied to the soil around the plant. The disease can be controlled by cultivating coriander in well drained lands. For nematode infestation, apply 5 g of furadon around the plant and mix with soil and water.
Horticulture(Varieties)	Horticulture Specific Advisory
BRINJAL	By utilizing expected rainfall top dressing with nitrogen and potassium fertilizer may be done.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Since rainy season started farmers are advised to take vaccine for their animals for Black quarter disease (hemorrhagic Septicemia) from near by veterinary hospital.
COW	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.
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	□ Farmers are advised to provide adequate drainage facilities to rice crop due to low to moderate rainfall forecast in the Pudukkottai District.
GENERAL ADVICE	Fodder is prone to mildew due to rains so the fodder should be dried in the sun during non-rainy seasons and then fed to the cattle. Protect fodder from rain soaking.

### Ramanathapuram

Due to prevailing weather condition, cattle are affected with tiredness, so that the cattle growers are advised to feed their calf with 30gms of mineral mixture per day. Also, deworm your calf in regular schedule with the support of nearby veterinarian. From extended range forecast, Above normal rainfall and normal Maximum and minimum temperature expected for the period of September 5 to September 11 over Tamil Nadu. From extended range forecast, Above normal rainfall and normal Maximum and minimum temperature expected for the period of September 5 to September 11 over Tamil Nadu.

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
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Due to the prevailing weather condition incidence of red palm weevil expected in coconut. The damage symptoms are hole can be seen on the stem with chewed up fibres protruding out and reddish brown liquid can be seen oozing out from the hole. If symptoms are observed in coconut tree, root feeding with insecticidal solution containing monocrotophos 36 WSC 10 ml with 10 ml of water.
Poultry(Varieties)	Poultry Specific Advisory
HEN	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 WARNING: Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu on 01 to 04 September 2021. Keep your Livestock / Animals safely in the shelters. Extended Range Forecast for Tamil Nadu (03.09.2021 -09.09.2021): Some parts of Tamilnadu region may receive Below Normal Rainfall during subsequent one week 3 to 9 September 2021 Chances of light rain on 2, 5 Sep & Moderate rain on 3, 4 Sep. Max temp- 34°C-35°C & Min temp -24°C-25°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from W direction.

Crop(Varieties)	Crop Specific Advisory
COTTON	Prevailing weather condition is suitable for seed sowing and gap filling in cotton cultivation. Dibble the seeds at a depth of 3cm on the side of the ridge, sow the required number of seeds in each pit for varieties 2 per pit and in case of hybrid 1 seed per pit and remove the excess germination at 15th day. Take up gap filling on the 10th day of sowing.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Due to the prevailing weather condition, cattle growers are advised to allow the cattle for grazing after 2 hrs of sunrise, cover the sides of cow shed with gunny bags, keep the floor in dry condition. To avoid the fungal infection, both the dry fodders and green fodders should be fed without moisture.

### Theni

THUNDERSTORM WARNING: Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu on 01 to 04 September 2021. Keep your Livestock / Animals safely in the shelters. Extended Range Forecast for Tamil Nadu (03.09.2021 -09.09.2021): Some parts of Tamilnadu region may receive Below Normal Rainfall during subsequent one week 3 to 9 September 2021. Chances of light rain during

1, 2, 4, 5 Sep & Moderate rain on 3 Sep. Max temp- 33°C-34°C & Min temp -23°C-24°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from W direction.

Horticulture(Varieties)	Horticulture Specific Advisory
BANANA	Banana cultivating farmers are advised to earth-up the soil at bi-monthly intervals, it will facilitate better establishment of banana plants. De-suckering should be done carefully at monthly intervals. The dry and diseased leaves have to be removed and burned for controlling the spread of leaf spot diseases.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Due to the prevailing weather condition, cattle growers are advised to allow the cattle for grazing after 2 hrs of sunrise, cover the sides of cow shed with gunny bags, keep the floor in dry condition. To avoid the fungal infection, both the dry fodders and green fodders should be fed without moisture.

### Virudhunagar District

Crop/ Ecosystem	Stage / Activities	Advisories
Block level Weather forecast		Light to moderate rain is likely to occur at isolated places on Day1 (01.09.21). Thunderstorm with light to moderate rain is likely to occur at a few places on Day3 (03.09.21), Day4 (04.09.21) and Day5 (05.09.21). 6-12 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.
Rainfed crops	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.
	Input purchase	Purchase the seed i.e., diseases free & Quality seed from the authorized person for raising crops during the ensuing north east monsoon season.
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 insecticides. 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.
----------------------	----------------	--

SMS: Rain: 2,3,4&5.09.2021 – 4,3,5&2 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		Light to moderate rain is likely to occur at isolated places on Day1 (01.09.21). Thunderstorm with light to moderate rain is likely to occur at isolated places on Day2 (02.09.21). Thunderstorm with light to moderate rain is likely to occur at a few places on Day3 (03.09.21), Day4 (04.09.21) and Day5 (05.09.21). 10-26 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.
Rainfed crops	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.
	Input purchase	Purchase the seed i.e., diseases free & Quality seed from the authorized person for raising crops during the ensuing north east monsoon season.
Rice	Green manuring	Raising green manure and incorporation will help to reduce the fertilizer cost and improve the soil properties. For supplying nutrients to the rice crop to be raised during the ensuing September- October season raise green manure crops like daincha <i>in situ</i> using 20 kg/ ha seed rate.
Coconut	All stages	Rugose Spiralling whitefly is noticed in the prevailed weather condition. Application of water, maida solution as spray in order to increase the population of Encarsia parasitic. Also keep yellow stick trap.
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).
Live stock advisory	Forecast for September month	Anthrax - Preventive Measures: 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.

SMS: Rain: 1,2,3,4&5.09.2021 – 2,4,15,5&4 mm. Postpone the irrigation. Ploughing to be done. Rice- Leaf folder. spray Azadirachtin 0.03% 1000ml/ha. (or) Chlorontrinirole 18.5%SC @ 150g/ha.

#### Thoothukudi District

Crop/ Ecosystem	Stage / Activities	Advisories
Block level Weather forecast		Light to moderate rain is likely to occur at isolated places on Day1 (01.09.21). Thunderstorm with light to moderate rain is likely to occur at isolated places on Day2 (02.09.21). Thunderstorm with light to moderate rain is likely to occur at a few places on Day3 (03.09.21), Day4 (04.09.21) and Day5 (05.09.21). 9-24 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.
Rainfed crops	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.
	Input purchase	Purchase the seed i.e., diseases free & Quality seed from the authorized person for raising crops during the ensuing north east monsoon season.
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 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: 1,2,3&4.09.2021 – 2,4,6&2 mm. Irrigation may be provided. 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	Light to moderate rain is likely to occur at isolated places over South Tamil Nadu and North Coastal Tamil Nadu on Day 1 (31.08.2021). Thunderstorm with light to moderate rain is likely to occur at isolated places over coastal Tamil Nadu & adjoining interior districts of Tamil Nadu, Puducherry and Karaikal area on Day 2 (01.09.2021). Thunderstorm with heavy rain is likely to occur at isolated places over Cuddalore, Salem, Pudukottai and Delta districts of Tamil Nadu. Thunderstorm with light to moderate rain is likely to occur at a few places over rest Tamil Nadu, Puducherry and Karaikal area on Day 3 (02.09.2021). Thunderstorm with heavy rain is likely to occur at isolated places over one or two interior districts of Tamil Nadu. Thunderstorm with light to moderate rain is likely to occur at a few places over rest Tamil Nadu, Puducherry and Karaikal area on Day 4 (03.09.2021). Thunderstorm with light to moderate rain is likely to occur at a few places over Tamil Nadu, Puducherry and Karaikal area on Day 5 (04.09.2021).
	Heavy Rainfall Warning	Day 3(02.09.2021): Heavy rain is likely to occur at isolated places overCuddalore,Salem, Pudukottai and Delta districts of Tamil Nadu. Day 4(03.09.2021): Heavy rain is likely to occur at isolated places over one or two interior districts of Tamil Nadu.
	Thunderstorm Warning	Day 2(01.09.2021) to Day 5(04.09.2021): Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area.
Extended range of weather forecast		2021-09-05 to 2021-09-11 rainfall predicted to be above normal.

### Kanyakumari

#### AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
1.			There are possibilities of rainfall on 03.09.21, 04.09.21 and 05.09.21. Maximum temperature will be around 30°C and minimum temperature will range from 23 - 24°C. Cloudy condition may prevail. The relative humidity will be 50 to 90 %. Wind speed may be 15 km / hr in West direction.

2.	Horticultural crops	Young plants	Irrigate the newly planted fruit trees and tree spices due to low rainfall.
3	Jasmine	Vegetative stages	Apply 10 g of Phorate granules near root zone and irrigate to control the nematode pest.
4.	Pepper	Planting stage	Prophylactic spray of Metalaxyl + Mancozeb @ 2 g/litre is to be done for Pepper to control Foot rot.
5.	Rice	Vegetative stage	Spraying of chlorphriphos 20% E C @ 1.25 lit/ha to control the stem borer attack in rice.
6.	Ginger	Vegetative stage	Spray dimethoate 30 EC @ 2ml/litre or phosphamidon 40 SL @ 2ml/litre to manage the shoot borer.

SMS Advisory

Pepper : Remove fungal infected vines and spray with Bordeaux mixture 1% or carbendazim 0.2 % .

**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.
Tapioca	Vegetative	In tapioca for the management of mealybugs, follow the following recommendations:Clipping the terminal shootsCollection and destruction of mealybugs infested plants.During Initial stages of infestation spray azadirachtin 0.15% EC @ 5 ml/lit. Or FORS @ 2ml/litNeed 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
Turmeric	Vegetative	In turmeric for the management of leaf spot/leaf blotch spray carbendazim @ 500 g/ha or mancozeb @ 1 kg/ha or copper oxychloride @ 1.25 kg/ha or propiconazole @ 500 ml/ha
Coconut	All	In coconut, for the management of Coconut Red Palm WeevilSetting 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
Jasmine	Vegetative	In jasmine for red spider mite spray any one of the following <ul style="list-style-type: none"> <li>• Fenazaquin 10 % EC @ 2 ml/lit.</li> <li>• Propargite 57 % EC @ 2ml/lit.</li> <li>• Wettable sulphur 50 WP @ 2 g/lit.</li> </ul>
Livestock and Poultry	General	Goat should be fed with 7kg green fodder, 3kg dry fodder, 200gm concentrated feed per day for maintaining good health.
		To avoid mastitis disease in milching animals use potassium permanganate for cleaning the udder before and after milking.
		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
Sheep and Goat	Young and Adult	<p>Coccidiosis in sheep and goats and its control</p> <p>Coccidiosis is caused by protozoan parasite Eimeria. It commonly occurs in sheep and goats particularly in young lambs and kids which are maintained under unhygienic and overcrowded condition. Adults are susceptible, but they do not show clinical manifestations. However, the affected adult animals continue to shed oocysts of Eimeria in their dung and which act as source of infection to young stock.</p> <p>The lambs and kids acquire infection by ingestion of feed and water contaminated with sporulated oocysts of Eimeria parasite. Affected animals show anemia, emaciation, diarrhoea and death often occurs. Coccidiosis is diagnosed by faecal examination and postmortem examination of dead animals. Affected animals can be treated with sulphamonomycin and Amprolium drugs. Coccidiosis can be prevented by hygienic maintenance of animal shed – proper disposal of dung, waters and feeders should be cleaned regularly. Young animals should be separated from adults.</p>
Poultry and Livestock	General	<p>Control of flies in poultry and livestock farms</p> <p>In Tamil Nadu, during monsoon season rainy days interspersed with a day of sunshine. This favours fly population to increase at a faster pace, and hence fly menace will be high in the forthcoming months. Necessary fly control measures with special attention for farm sanitation.</p>
Ethno Veterinary Herbal Research Centre for Poultry, Namakkal		
Poultry	Adult birds	<p>Ethno Veterinary practices to control lice infestation in native chicken</p> <p>Take 10 sticks of Vasambu (Acorus calamus), powder it and mix with 5 litres of water and dip the affected hen sparing the head. The same ratio should be sprayed around the poultry pen to kill the nits.</p> <p>The procedure must be repeated after a week for complete eradication of lice. Brooding hens should not be dipped, instead vasambu powder can be mixed with equal quantity of ash and dusted all over the body.</p>

Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Paddy	Transplanting	Farmers are requested to apply 10 kg of enriched paddy micronutrient mixture to alleviate the micronutrient deficiency and get more yield.
Mulberry	Vegetative stage	To improve the growth of mulberry plants farmers are requested to apply 150 kg super + 2 kg zinc sulphate along with 375 kg farm yard manure as enriched form.
All crops	Before sowing	To improve the soil fertility as well as to increase the yield of crops farmers are requested to sow sunhemp or daincha or multigrains @ 20 kg / acre and incorporate the same with 30 – 45 days after sowing.

### Dharmapuri

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

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Dharmapuri :		
Crops	General	Install yellow sticky trap @12no/ha to control sucking pests.
		This is right time for top dressing method of fertilizer application base on crop stage using past rainfall events.
Onion	Vegetative	In onionthrips problem spraying of spinosad 0.5ml/lit or fipronil 1.5ml/lit is advised.
Jasmine	Vegetative	In jasmine crop red miteneem oil 3% (or) Spiramesifen 0.5 ml/L (or) Propargite 1.5 ml/L (or) Avermectin 1 ml/L with wetting agent is advised.
Tapioca	Vegetative	Management practices to be followed on white mealy bug affected plant in tapioca: Infected shoots should be removed Collect infected dry plants and discard or burn away from the field. In early stage of infection, any one of the following insecticide can be spray: Azadirachtin 0.15 % @ 50 ml/ litre of water Fish oil resin soap @ 2.0 ml/ litre of water Any one of the following insecticide can be sprayed on rotation basis as and required Thiamethoxam 25 WG @0.5 gram /litre of water Flonicamid 50 WG @ 0.3 gram/ litre of water Spirotetramat 150 OD @ 1.25 ml / litter of water
Livestock	General	Haemolactia (blood in milk) in cow managed with daily feeding of 500g of Moringa leaves and lemon per day for two days.

## Krishnagiri

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

Livestock, poultry & Crop	Stage	Weather advisory
Sheep and Goat	Young and Adult	<p>Coccidiosis in sheep and goats and its control</p> <p>Coccidiosis is caused by protozoan parasite Eimeria. It commonly occurs in sheep and goats particularly in young lambs and kids which are maintained under unhygienic and overcrowded condition. Adults are susceptible, but they do not show clinical manifestations. However, the affected adult animals continue to shed oocysts of Eimeria in their dung and which act as source of infection to young stock.</p> <p>The lambs and kids acquire infection by ingestion of feed and water contaminated with sporulated oocysts of Eimeria parasite. Affected animals show anemia, emaciation, diarrhoea and death often occurs. Coccidiosis is diagnosed by faecal examination and postmortem examination of dead animals. Affected animals can be treated with sulpha and Amprolium drugs. Coccidiosis can be prevented by hygienic maintenance of animal shed – proper disposal of dung, waters and feeders should be cleaned regularly. Young animals should be separated from adults.</p>
Poultry and Livestock	General	<p>Control of flies in poultry and livestock farms</p> <p>In Tamil Nadu, during monsoon season rainy days interspersed with a day of sunshine. This favours fly population to increase at a faster pace, and hence fly menace will be high in the forthcoming months. Necessary fly control measures with special attention for farm sanitation.</p>
Ethno Veterinary Herbal Research Centre for Poultry, Namakkal		
Poultry	Adult birds	<p>Ethno Veterinary practices to control lice infestation in native chicken</p> <p>Take 10 sticks of Vasambu (Acorus calamus), powder it and mix with 5 litres of water and dip the affected hen sparing the head. The same ratio should be sprayed around the poultry pen to kill the nits.</p> <p>The procedure must be repeated after a week for complete eradication of lice.</p> <p>Brooding hens should not be dipped, instead vasambu powder can be mixed with equal quantity of ash and dusted all over the body.</p>
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Paddy	Transplanting	Farmers are requested to apply 10 kg of enriched paddy micronutrient mixture to alleviate the micronutrient deficiency and get more yield.
Mulberry	Vegetative stage	To improve the growth of mulberry plants farmers are requested to apply 150 kg super + 2 kg zinc sulphate along with 375 kg farm yard manure as enriched form.
All crops	Before sowing	To improve the soil fertility as well as to increase the yield of crops farmers are requested to sow sunhemp or daincha or multigrains @ 20 kg / acre and incorporate the same with 30 – 45 days after sowing.

## Karaikal

### Weather based Agro-Advisories:

In paddy, to control weeds in nursery area of 800 m<sup>2</sup>, apply any one of the pre-emergence herbicides viz., Pretilachlor + safener 24 gram on 3rd or 4th days after sowing (DAS) or Butachlor 160 ml (or) Anilophos 120 ml on 8th DAS with sand. Avoid irrigation and drainage to the field up to two days for effective control of weeds. For direct seeded rice, medium duration varieties like CO 43, IR 20, ADT 38 ADT 39, Ponni and Improved White Ponni with a seed rate of 60 kg/ ha may be adopted for ensuing Thaladi from 1st to 30th September. For direct wet seeded rice, apply 50 kg of P<sub>2</sub>O<sub>5</sub>/ha as basally in the last plough and level the field to have uniform crop stand and provide shallow trenches (15 cm width) at an interval of 3 m all along the field to facilitate the draining of excess water in case of heavy rainfall at the early growth stage of rice.

### SMS:

Light to moderate showers may occur in next four days.

## Puducherry

### Weather based Agro-Advisories :

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 Acetamidrid 0.3g/l.

### SMS:

Light to moderate showers may occur in next five days.

## BLOCK LEVEL FORECAST

### NILGIRIS DISTRICT

### Coonoor, Gudalur, Kotagiri and Ooty Blocks

#### Agro Advisory

Crop	Stage	Advisory
General	All the stage	Next five days heavy 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. Widespread incidence of Ash weevil is observed in horticultural crops. To control Ash weevils, Spray phosalone 35 EC @ 1.5 ml/lit of water.
vegetable crops	all the stage	Spray bionoculant Pseudomoans @ 10 ml per litre of water to prevent disease incidence due to continuous rainfall.
Plantation crops		In pepper plantation, 1% DAP spray may be given on leaves to prevent spike drop and for enhanced yield.
		In Arecanut plantation, 220 grams Urea, 220 grams Super phosphate and 230 grams potash may be given per tree in the post monsoon period.



Cattle		Due to Heavy heavy 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

Spray biooculant Pseudomonas @ 10 ml per litre of water to prevent disease incidence due to continuous rainfall.

