



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

DISTRICT LEVEL

Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 060/2021

For the period 0830 IST, 27th July 2021 to
0830 IST, 01st August 2021

Issued on Tuesday, 27th 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 23.07.21 to 26.07.21 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range 29°C – 40°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 15°C – 20°C during the period.

Minimum temperature of range 22°C - 29°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 11°C - 13°C during the same period.

Spatial distribution of Rainfall

Spatial distribution of Rainfall	Date	Area
Widespread (Most places)	--	--
Fairly widespread (Many places)	--	--
Scattered (Few Places)	26.07.21 26.07.21	Tamil Nadu Puducherry
Isolated (Isolated Places)	23.07.21, 24.07.21 & 25.07.21	Tamil Nadu
Dry	23.07.21, 24.07.21 & 25.07.21	Puducherry

Chief Amounts of Rainfall (in cms):-

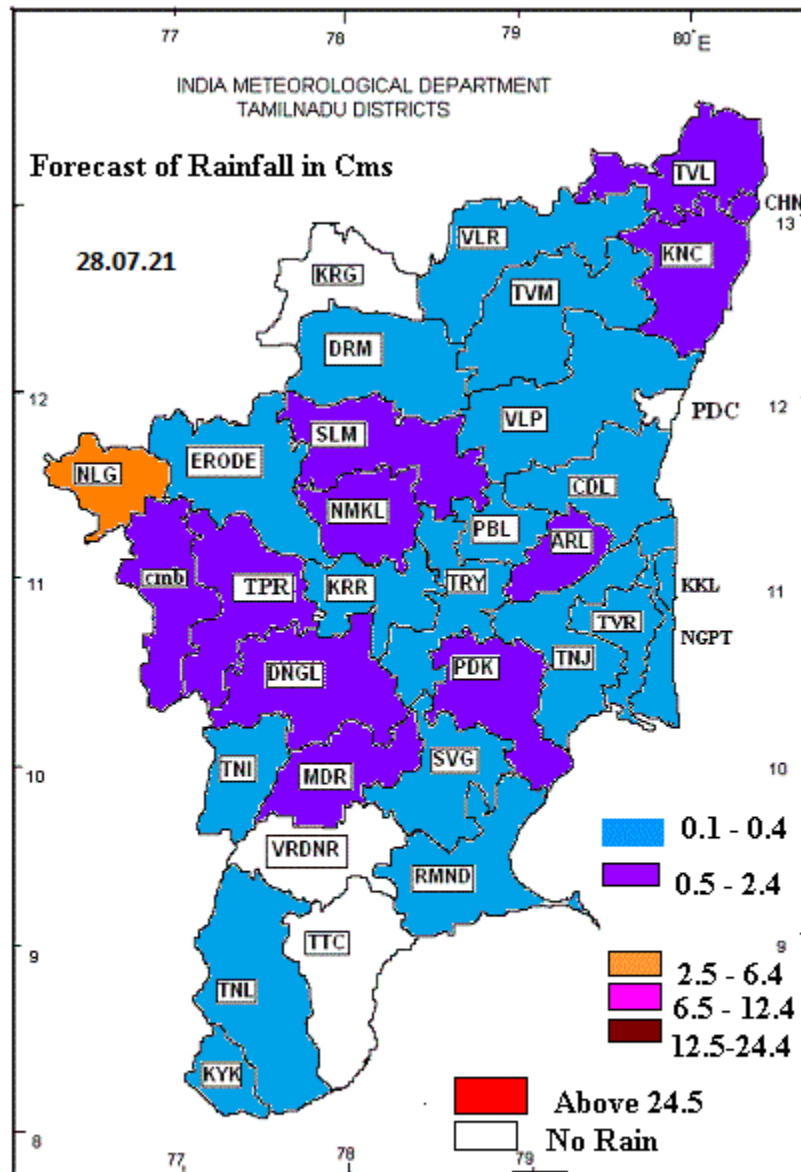
23.07.21 : Avalanche (dist Nilgiris) 16, Naduvattam (dist Nilgiris) 14, Upper Bhavani (dist Nilgiris) 13, Valparai PTO (dist Coimbatore), Glenmorgan (dist Nilgiris) 12 each, Chinnakalar (dist Coimbatore) 11, Devala (dist Nilgiris), Sholayar (dist Coimbatore), Cincona (dist Coimbatore) 10 each, Emeraldad (dist Nilgiris), Valparai Taluk Office (dist Coimbatore), Periyar (dist Theni), G Bazar (dist Nilgiris), Valparai PAP (dist Coimbatore) 9 each, Kundha Bridge (dist Nilgiris) 6, Thekkadi (dist Theni), Ketti (dist Nilgiris) 5 each, Uthagamandalam (dist Nilgiris), Coonoor Pto (dist Nilgiris), Agaram Seegoor (dist Perambalur) 4 each, Coonoor (dist Nilgiris), Thenkasi (dist Tenkasi), Shencottah (dist Tenkasi) 3 each, Mylaudy (dist Kanyakumari), Nagercoil (dist Kanyakumari), Kanyakumari (dist Kanyakumari), Thammampatty (dist Salem), Suralacode (dist Kanyakumari), Papanasam (dist Tirunelveli), Tozhudur (dist Cuddalore), Mettupalayam (dist Coimbatore), Kottaram (dist Kanyakumari) 2 each, Chennai Ap, Pelandurai (dist Cuddalore), Labbaikudikadu (dist Perambalur), Ayikudi (dist Tenkasi), Gudalur (dist Theni), Uttamapalayam (dist Theni), Rasipuram (dist Namakkal), Perunchani Dam (dist Kanyakumari), Pollachi (dist Coimbatore), Yercaud (dist Salem), Eraniel (dist Kanyakumari), Kuzhithurai (dist Kanyakumari), Kodaikanal (dist Dindigul), Pechiparai (dist Kanyakumari), Colachel (dist Kanyakumari), Bhoothapandy (dist Kanyakumari), Puthan Dam (dist Kanyakumari) 1 each.

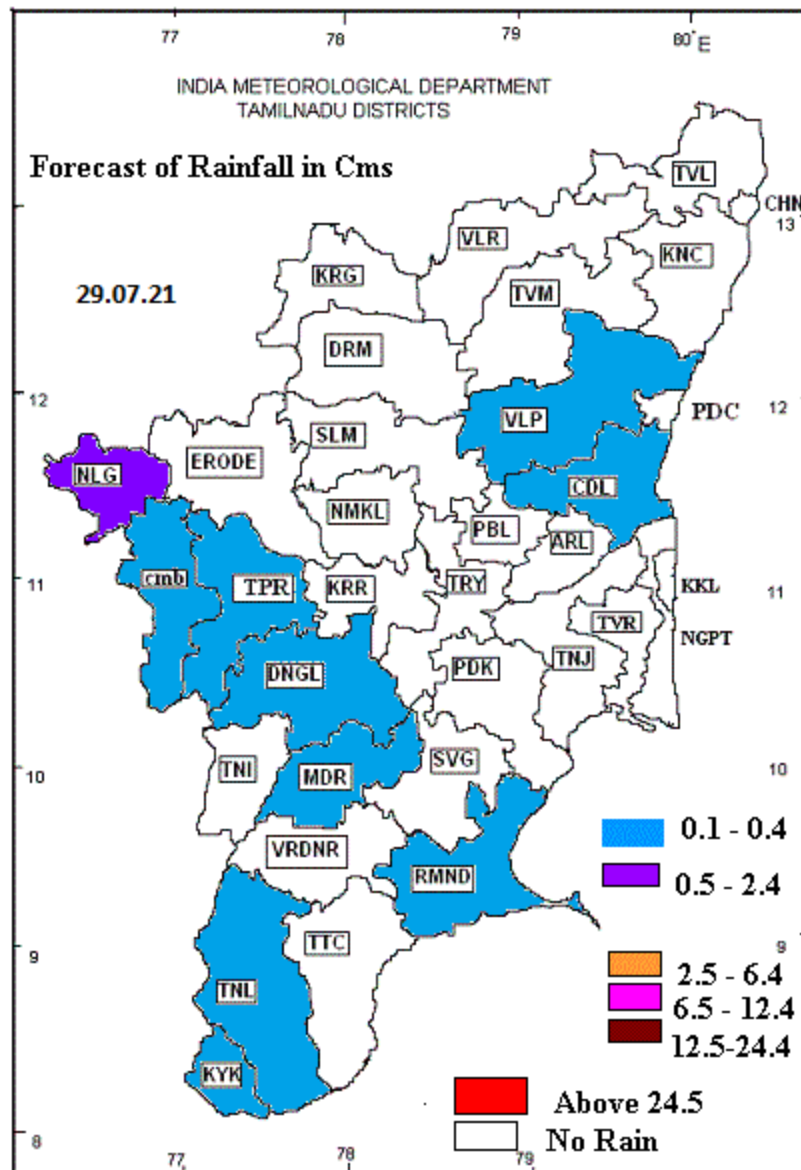
24.07.21 : Valparai Pto (dist Coimbatore) 17, Cincona (dist Coimbatore) 17, Avalanche (dist Nilgiris) 15, Sholayar (dist Coimbatore) 13, Valparai PAP (dist Coimbatore) 13, Valparai Taluk Office (dist Coimbatore) 13, Chinnakalar (dist Coimbatore) 12, Upper Bhavani (dist Nilgiris) 11, Naduvattam (dist Nilgiris) 9, G Bazar (dist Nilgiris) 7, Sivalogam (dist Kanyakumari) 7, Chittar (dist Kanyakumari) 5, Devala (dist Nilgiris) 5, Glenmorgan (dist Nilgiris) 5, Mylaudy (dist Kanyakumari) 5, Papanasam (dist Tirunelveli) 4, Kanyakumari (dist Kanyakumari) 4, Suralacode (dist Kanyakumari) 4, Nagercoil (dist Kanyakumari) 4, Perunchani Dam (dist Kanyakumari) 4, Kottaram (dist Kanyakumari) 3, Bhoothapandy (dist Kanyakumari) 3, Pechiparai (dist Kanyakumari) 3, Thekkadi (dist Theni) 3, Eraniel (dist Kanyakumari) 3, Emeralad (dist Nilgiris) 3, Kannimar (dist Kanyakumari) 3, Kuzhithurai (dist Kanyakumari) 2, Shencottah (dist Tenkasi) 2, Manimutharu (dist Tirunelveli) 2, Thali (dist Krishnagiri) 2, Chidambaram Aws (dist Cuddalore) 2, Ayikudi (dist Tenkasi) 2, Yercaud (dist Salem) 2, Agaram Seegoor (dist Perambalur) 2, Veeraganoor (dist Salem) 2, Labbaikudikadu (dist Perambalur) 2, Chidambaram (dist Cuddalore) 2, Srimushnam (dist Cuddalore) 1, Denkanikottai (dist Krishnagiri) 1, Tozhudur (dist Cuddalore) 1, Thenkasi (dist Tenkasi) 1, Bhuvanagiri (dist Cuddalore) 1, Thuckalay (dist Kanyakumari) 1, Colachel (dist Kanyakumari) 1, K Bridge (dist Nilgiris) 1, Ambasamudram (dist Tirunelveli) 1, Pollachi (dist Coimbatore) 1, Adirampatnam (dist Thanjavur) 1, Uthagamandalam (dist Nilgiris) 1, Kurinjipadi (dist Cuddalore) 1, Taramani Arg (dist Chennai) 1, Radhapuram (dist Tirunelveli) 1, Ketti (dist Nilgiris) 1, Kollidam (dist Mayiladuthurai) 1, Kaliyal (dist Kanyakumari) 1.

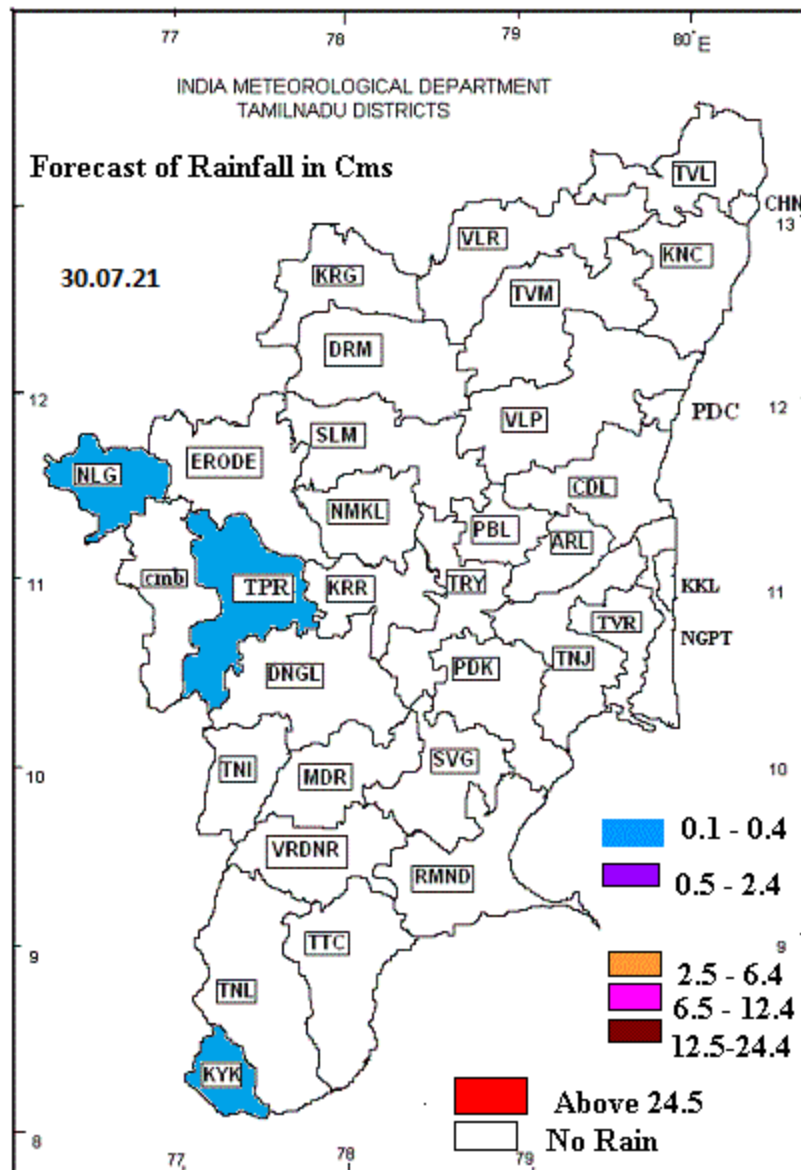
25.07.21 : Sholayar (dist Coimbatore) 9, Chinnakalar (dist Coimbatore) 7, Valparai PTO (dist Coimbatore) 6, Cincona (dist Coimbatore) 5, Yercaud AWS (dist Salem) 4, Devala (dist Nilgiris), Valparai Taluk Office (dist Coimbatore), Valparai PAP (dist Coimbatore), Pandhalur (dist Nilgiris) 3 each, G Bazar (dist Nilgiris), Glenmorgan (dist Nilgiris) , Chittar (dist Kanyakumari), Naduvattam (dist Nilgiris), Colachel (dist Kanyakumari), Upper Gudalur (dist Nilgiris), Braiyar Estate (dist Nilgiris), Harisan Estate (dist Nilgiris) 2 each, Avalanche (dist Nilgiris), Thuckalay (dist Kanyakumari) , Yercaud (dist Salem), Periyar (dist Theni), Thekkadi (dist Theni), Upper Bhavani (dist Nilgiris), Thali (dist Krishnagiri), Sivalogam (dist Kanyakumari), Kalial (dist Kanyakumari), Barwood Estate (dist Nilgiris) 1 each.

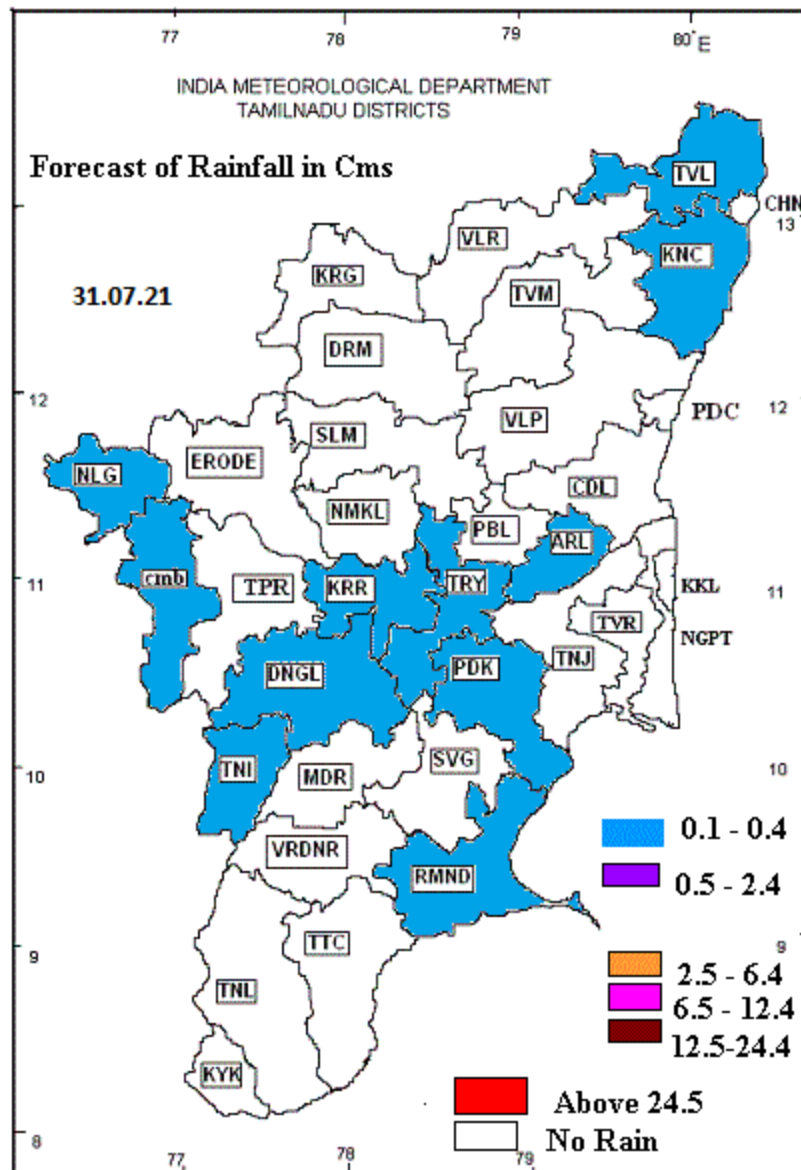
26.07.21 : Pandalur Taluk office ((dist Nilgiris) 16, Wood Braiyar Estate (dist Nilgiris) 10, Devala (dist Nilgiris) 10, Uthukottai (dist Tiruvallur) 9, Chinnakallar (dist Coimbatore) 7, Harisan Malayalam Ltd. Went worth Estate (dist Nilgiris) 7, Sholayar (dist Coimbatore) 6, Yercaud (dist Salem) 5, Gummidipoondi (dist Tiruvallur) 5, G Bazar (dist Nilgiris) 5, Cholavaram (dist Tiruvallur) 5, Valparai Taluk Office (dist Coimbatore) 5, Valparai PAP (dist Coimbatore) 5, , Valparai PTO (dist Coimbatore) 5, Upper Gululur ((dist Nilgiris) 5, Cincona ((dist Coimbatore) 4, Ponneri (dist Tiruvallur) 3, Pallipattu (dist Tiruvallur) 3, Kodavasal (dist Tiruvarur) 3, Avalanche (dist Nilgiris) 3, Tiruttani (dist Tiruvallur) 3, R.k.pet (dist Tiruvallur) 3, Upper Bhavani (dist Nilgiris) 3, Dharmapuri PTO 3, Red hills (dist Tiruvallur) 3, Mylam AWS (dist Villupuram) 3, Kothagiri (dist Nilgiris) 2, Sholingur (dist Vellore) 2, Paramakudi (dist Ramanathapuram) 2, Thamaraipakkam (dist Tiruvallur) 2, Omalur (dist Salem) 2, Salem (dist Salem) 2, Thekkadi (dist Theni) 2, Tondi (dist Ramanathapuram) 2, Periyar (dist Theni) 2, Ennore AWS (dist Tiruvallur) 2, Thandampettai (dist Tiruvannamalai) 2, Vilupuram (dist Villupuram) 1, Uthagamandalam (dist Nilgiris) 1, Poondi (dist Tiruvallur) 1, R.s.mangalam (dist Ramanathapuram) 1, Mangalapuram (dist Namakkal) 1, Tirukoilur (dist Villupuram) 1, Arakonam (dist Vellore) 1, Ponnai Dam (dist Vellore) 1, Puzhal Arg (dist Tiruvallur) 1, Needamangalam (dist Tiruvarur) 1, Kaveripakkam (dist Vellore) 1, Tirupattur (dist Vellore) 1, Ammudi (dist Vellore) 1, Neyveli AWS (dist Cuddalore) 1.

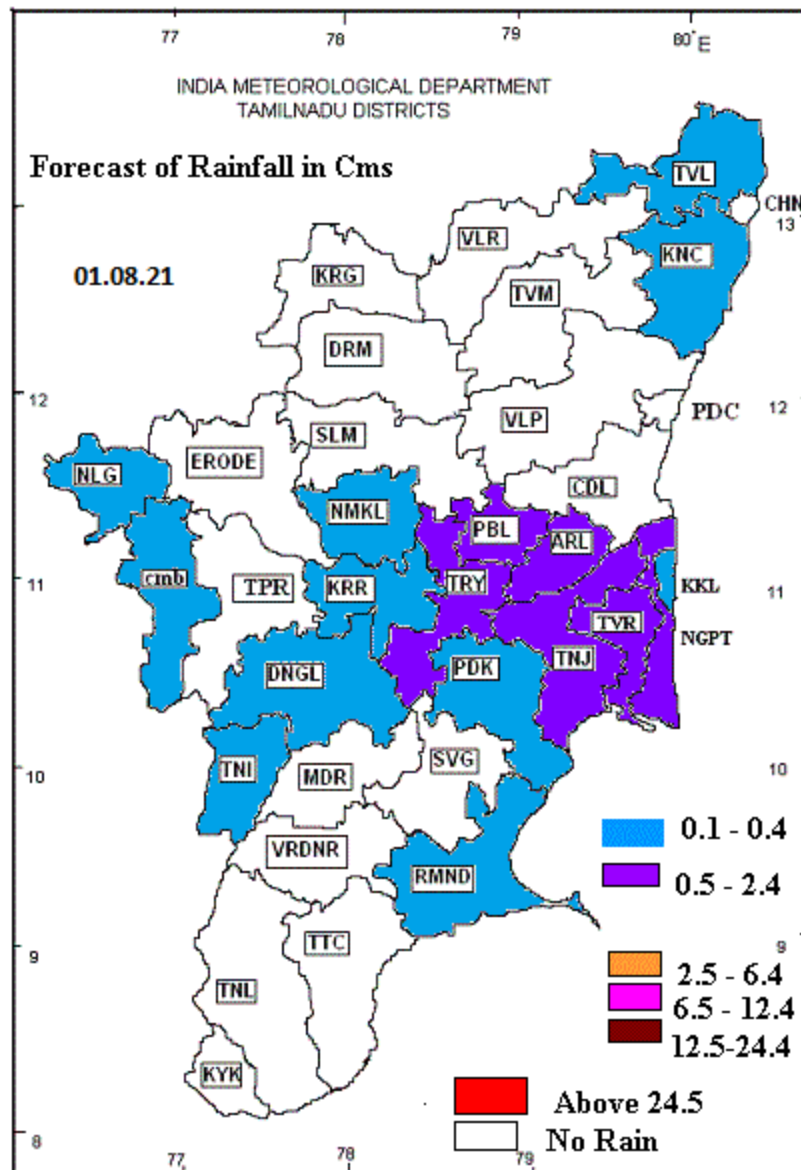
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 27.07.21
VALID FOR THE NEXT 5 DAYS**











Districtwise Agromet Advisories

Chennai

SMS Advisory: (27.07.2021-31.07.2021):

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

Livestock Advisory

1. Since moderate rain is forecasted in the fourth coming week farmers are advised to tether livestock in the inside sheds, to prevent from rain water drenching.
2. The concentrated feed and dry fodder must be stored in water proof god-owns to prevent aflatoxin and mould development.
3. To prevent mortality due to thunder strike during very heavy rainfall with thunderstorm, grazing during heavy rainfall should be prevented.
4. To counteract over occurrence of infection during rainy season pregnant goat (adult goat) must be provided with vitamin and mineral supplementation.
5. Higher air temp and relative humidity will pre dispose the rabbit to respiratory distress; to prevent this rabbitry must be maintained damp free.
6. Water logged damp areas will predispose the young kids and lambs to coccidial infection leading to mortality, Hence to prevent this kids and lambs must be provided with raised platform system of housing or they must be housed in well ventilated damp free area.
7. To prevent the ammonia accumulation there must be in the big house, good ventilation
8. The livestock should be given dipping ones in two month to prevent exoparasitic infestation.
9. The farmers rearing poultry in backyard system must prevent the birds from drinking, the stagnant water to prevent parasitic infestation.
10. 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 01.08.2021 to 07.08.2021 Tamil Nadu & Pondicherry region may likely to receive less rainfall than the normal. Thunderstorm with Light to moderate rain is likely to occur at isolated places over Kanchipuram and Chengalpattu district of Tamilnadu on 27.07.2021 and 31.07.2021. 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.

Crop(Varieties)	Crop Specific Advisory
RICE	The forecasted weather may cause Stem borer 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.
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.

CHILLI	There are possibilities of Leaf curl virus infestation in chilli. If farmers are observed deformed and curled leaves towards midrip spray of Dimethoate 2ml of Acephate 1g per litre of water is recommended for the control of vectors.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Farmers are advised to vaccinate their dairy animals against Foot and Mouth Disease in nearby veterinary dispensary wherever the disease incidence is prevalent. Farmers are advised to provide 30-50 grams of mineral mixture to dairy animals to improve the milk production.
GOAT	Farmers are advised to provide salt licks to goats and sheep to improve weight gain in animals. Farmers may protect against enterotoxaemia in endemic areas with suitable vaccination in nearby veterinary dispensary.
Fisheries(Varieties)	Fisheries Specific Advisory
INLAND	The forecasted weather may alter the pH level of fish and prawn ponds. For management farmers are advised to go for application of 100-200 Kg/ha of lime. High wind velocity may be expected in the upcoming five days. Fish and shrimp pond water level may be reduced up to 30 cm from the normal level, to avoid the damage of pond/dykes/bundhs.
COMMON FISH	During raining days, farmers are advised to avoid the accumulation of plant debris and other organic matter along with runoff to sustain the pH variation. Farmers are advised to avoid disease incidents in fishes. Due to rain forecast water quality parameter may be evaluated in fish / prawn ponds to avoid disease incidences.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Provide proper brooding facilities to poultry chicks to avoid chick mortality. Farmers may provide B-complex supplementation to birds to improve the production in birds.

Villupuram

SMS Advisory: (27.07.2021-31.07.2021):

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

Livestock Advisory:

1. Since moderate rain is forecasted in the fourth coming week farmers are advised to tether livestock in the inside sheds, to prevent from rain water drenching.
2. The concentrated feed and dry fodder must be stored in water proof god-owns to prevent aflatoxin and mould development.
3. To prevent mortality due to thunder strike during very heavy rainfall with thunderstorm, grazing during heavy rainfall should be prevented.
4. To counteract over occurrence of infection during rainy season pregnant goat (adult goat) must be provided with vitamin and mineral supplementation.
5. Higher air temp and relative humidity will pre dispose the rabbit to respiratory distress; to prevent this rabbitry must be maintained damp free.

6. Water logged damp areas will predispose the young kids and lambs to coccidial infection leading to mortality, Hence to prevent this kids and lambs must be provided with raised platform system of housing or they must be housed in well ventilated damp free area.
7. To prevent the ammonia accumulation there must be in the big house, good ventilation.
8. The livestock should be given dipping ones in two month to prevent exoparasitic infestation.
9. The farmers rearing poultry in backyard system must prevent the birds from drinking, the stagnant water to prevent parasitic infestation.
10. 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. Prevailing weather condition is favourable for bacterial leaf blight infection in ricecrop. To control spray 20% fresh cow dung extract twice (starting from initial appearance of the disease and another at fortnightly interval) or spray twice copperhydroxide 77 WP @ 1.25 kg/ha 30 and 45 days after planting or spray streptomycinsulphate + 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.

Tapioca:

1. Prevailing weather condition is favourable 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

Thiruvannamalai

SMS Advisory: (27.07.2021-31.07.2021):

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

Livestock Advisory:

1. Since moderate rain is forecasted in the fourth coming week farmers are advised to tether livestock in the inside sheds, to prevent from rain water drenching.
2. The concentrated feed and dry fodder must be stored in water proof god-owns to prevent aflatoxin and mould development.
3. To prevent mortality due to thunder strike during very heavy rainfall with thunderstorm, grazing during heavy rainfall should be prevented.
4. To counteract over occurrence of infection during rainy season pregnant goat (adult goat) must be provided with vitamin and mineral supplementation.
5. Higher air temp and relative humidity will pre dispose the rabbit to respiratory distress; to prevent this rabbitry must be maintained damp free.
6. Water logged damp areas will predispose the young kids and lambs to coccidial infection leading to mortality, Hence to prevent this kids and lambs must be provided with raised platform system of housing or they must be housed in well ventilated damp free area.
7. To prevent the ammonia accumulation there must be in the big house, good ventilation.

8. The livestock should be given dipping ones in two month to prevent exoparasitic infestation.
9. The farmers rearing poultry in backyard system must prevent the birds from drinking, the stagnant water to prevent parasitic infestation.
10. 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. In the paddy planting field to apply Beautachlor for weed control 2.5 litre+25 Kg sand per hectare on the third day.
2. Prevailing weather condition is favourable for leaf folder incidence in rice. Hence farmers are requested to monitor the field and spray fipronil 2ml/litre.
3. Paddy thrips may be found in nursery field. To control this, spray acetamprid @ 0.4g/litre.

Groundnut:

1. Prevailing weather is favorable for tikka leaf spot disease in groundnut. For controlling this spray Mancozeb @ 2g / litre.
2. During rainy season iron deficiency may be seen in groundnut. So, apply Feso4 1% @ 10ml /litre.

Coconut:

During rainy season, to control rhinoceros beetle in coconut setup light traps.

Banana:

Spray mancozeb 2g/litre, to control sigatoka leaf spot in banana.

Papaya:

To control papaya yellow mosaic virus, spray Imidachloprid @ 0.5 ml / litre.

Bhedi:

Setup pheromone trap @ 12/ha or spray Azadirachtin 0.03 % 5 g/litre to control bhendi fruit borer.

Rose:

Prevailing weather condition is favorable for black spot disease in rose. For controlling this disease spray, carbendazim @ 1 gm/lit twice at fortnight intervals.

Thiruvallur

From the extended range forecast, below normal rainfall and normal temperature expected for the period of 01st to 07th August over Tamil Nadu. Irrigation may be postponed based on soil moisture.

Crop(Varieties)	Crop Specific Advisory
RICE	Rice- Vegetative stage-1.Stem bore- Spray Azadirachtin 0.03% 400 ml (Or) Flubendiamide 20% WG 50g per acre in 200 litre of water ; 2.Bacterial leaf blight - Initial stages- spray twice copper hydroxide 77 WP 500g per acre in 200 litre of water and severe stage- Spray streptomycin + Tetracycline 120g + copper oxychloride 500g for one acre in 200 litre water; 3.Leaf folder- Spray Azadirachtin 0.03% 400 ml 200 litres of water (Or) Spray NSKE 5 %; 4.Hispa / Spiny beetle- spray Chlorpyriphos 20% EC 500 ml per acre in 200 litres of water.
RICE	RICE- Flowering stage-1.False smut- Spray for Propiconazole 25 EC @ 200 ml/acre; (or) Copper hydroxide 77 WP @ 500g /acre at boot leaf and 50% flowering stages; 2.Brown spot-Spray metominostrobin @ 200 ml per acre in 200 litre of water; after observing initial infection of the disease.

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.
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.
OKRA/ LADYFINGER	Bhendi/Okra-Seed Treatment- Seed treatment with Trichoderma viride @ 4 g/kg of seeds and again with 400 g of Azospirillum using starch as adhesive and dried in shade for 30 minutes.
GROUNDNUT	Groundnut-leaf miner-spray Methyl demeton 25 EC 1000 ml per acre in 200 litres of water. (or) Quinalphos 25 EC 1400 ml per acre in 200 litres of water. ; and Set up light trap between 8 to11 pm at ground level.
Horticulture(Va rieties)	Horticulture Specific Advisory
CHILLI	Chilli- Damping Off- Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g /kg of seeds treat with 24 hours before sowing.
BRINJAL	Brinjal- Damping Off- Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g /kg of seeds treat with 24 hours before sowing.

Vellore

As per the IMD extended range forecast (ERF), Tamil Nadu and Puducherry may be receive below normal rainfall and normal temperature for the period of 01.08.2021 to 07.08.2021. 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. Dry weather with light rainfall may be expected on forthcoming days. So, farmers are advised to apply fertilizer, insecticides or pesticides spray during non-rainy days.

Crop(Varieties)	Crop Specific Advisory
RICE	Prevailing weather condition is favourable for leaf folder incidence in rice. Hence farmers are requested to monitor the field and spray azadirachtin 0.03% 100ml/ha. Paddy thrips may be found in nursery field. To control this, spray thiamethoxam 25%WG 100g/ha.
GROUNDNUT	Prevailing weather is favorable for tikka leaf spot disease in groundnut. For controlling this spray Mancozeb @ 2g / litre. Prevailing weather is favorable for aphid incidence in groundnut. To control this, apply Chlorpyrifos 20% EC 1000ml/ha.
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.
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.
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.
Rose	Prevailing weather condition is favorable for black spot disease in rose. For controlling this disease spray, carbendazim @ 1 gm/litre twice at fortnight intervals.
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%.
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 antidiarrhea medicine in consultation with veterinariyan.
Poultry(Varieties)	Poultry Specific Advisory
HEN	Back wracking the deep litter remove excessively wet litter, add dry litter materials along with lime powder.

Cuddalore

From extended range forecast, below normal rainfall, Normal maximum temperature and minimum temperature expected for the period of 1st to 7th August 2021 over Tamil Nadu. In dairy cattle along with concentrate feed 50gm of sodium bicarbonate helps to reduce acidosis and increase milk yield.

Crop(Varieties)	Crop Specific Advisory
RICE	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
CHILLI	To control the damping of infection in Chilli treat seeds with Trichoderma viride @ 4 g / kg or bacillus subtilis @ 10 g /kg of seeds treat with 24 hours before sowing.
BRINJAL	To control the damping of infection in brinjal treat seeds with Trichoderma viride @ 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 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.
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Coimbatore

Agro Advisory

Crop	Stage	Advisory
General		Thunderstorm with light rainfall is likely to occur at isolated places over Western Ghats. Wind speed of >15 km/hour is expected. Hence provide adequate support to banana and sugarcane.
Maize	Sowing & Vegetative	Utilizing the received and anticipated rainfall, sowing of irrigated maize may be continued. Irrigated maize crop at 30 days old may be top dressed with urea 55kg and 12kg MOP/ acre after weeding.
Sugarcane	Vegetative	Detrashing and propping may be done in six months old sugarcane to protect against anticipated high wind speed and rainfall.
Cotton	Sowing	Rainfall is anticipated for next five days. Land preparation may be initiated for irrigated cotton to be sown on August 15. Continuous wet weather in some areas leads water logging therefore germination of sown crops especially rainfed cotton hence farmers are requested to go for raising seedlings in polythene bags and these seedlings may be transplanted to maintain the plant population at later stage.
Tomato		To avoid damping off disease or soil borne diseases in tomato <i>Trichoderma viride</i> or <i>Pseudomonas fluorescens</i> may be applied @ 2.5 kg per hectare.
Gourds Vegetable	Land preparation	Best season for sowing gourds vegetable is between July 20 th and 30 th Hence dig the pit by utilizing the anticipated rainfall. Utilizing the anticipated rain, start sowing of Gourds.
Grapes		Considering the anticipated high relative humidity, grapes may be 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. Due to high relative humidity, animals may have more thirst for water. Hence, provide adequate drinking water to animals. 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.

This is best season for sowing gourds vegetable. Hence dig the pit by utilizing the anticipated rainfall and start sowing of Gourds.

Erode

Agro Advisory

Crop	Stage	Advisory
General		Thunderstorm with light rainfall is likely to occur at isolated places over Western Ghats. Wind speed of >15 km/hour is expected. Hence provide adequate support to banana and sugarcane.
Maize	Sowing & Vegetative	Utilizing the received and anticipated rainfall, sowing of irrigated maize may be continued. Irrigated maize crop at 30 days old may be top dressed with urea 55kg and 12kg MOP/ acre after weeding.
Sugarcane	Vegetative	Detrashing and propping may be done in six months old sugarcane to protect against anticipated high wind speed and rainfall.
Cotton	Sowing	Rainfall is anticipated for next five days. Land preparation may be initiated for irrigated cotton to be sown on August 15. Continuous wet weather in some areas leads water logging therefore germination of sown crops especially rainfed cotton hence farmers are requested to go for raising seedlings in polythene bags and these seedlings may be transplanted to maintain the plant population at later stage.
Tomato		To avoid damping off disease or soil borne diseases in tomato <i>Trichoderma viride</i> or <i>Pseudomonas fluorescens</i> may be applied @ 2.5 kg per hectare.
Gourds Vegetable	Land preparation	Best season for sowing gourds vegetable is between July 20 th and 30 th Hence dig the pit by utilizing the anticipated rainfall. Utilizing the anticipated rain, start sowing of Gourds.
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. Due to high relative humidity, animals may have more thirst for water. Hence, provide adequate drinking water to animals. 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.

SMS advisory

This is best season for sowing gourds vegetable. Hence dig the pit by utilizing the anticipated rainfall and start sowing of Gourds.

Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		Thunderstorm with light rainfall is likely to occur at isolated places over Western Ghats. Wind speed of >15 km/hour is expected. Hence provide adequate support to banana and sugarcane.
Maize	Sowing & Vegetative	Utilizing the received and anticipated rainfall, sowing of irrigated maize may be continued. Irrigated maize crop at 30 days old may be top dressed with urea 55kg and 12kg MOP/ acre after weeding.
Sugarcane	Vegetative	Detrashing and propping may be done in six months old sugarcane to protect against anticipated high wind speed and rainfall.
Cotton	Sowing	Rainfall is anticipated for next five days. Land preparation may be initiated for irrigated cotton to be sown on August 15. Continuous wet weather in some areas leads water logging therefore germination of sown crops especially rainfed cotton hence farmers are requested to go for raising seedlings in polythene bags and these seedlings may be transplanted to maintain the plant population at later stage.
Tomato		To avoid damping off disease or soil borne diseases in tomato Trichoderma viride or Pseudomonas fluorescens may be applied @ 2.5 kg per hectare.
Gourds Vegetable	Land preparation	Best season for sowing gourds vegetable is between July 20th and 30th Hence dig the pit by utilizing the anticipated rainfall. Utilizing the anticipated rain, start sowing of Gourds.
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. Due to high relative humidity, animals may have more thirst for water. Hence, provide adequate drinking water to animals. 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.

SMS advisory

This is best season for sowing gourds vegetable. Hence dig the pit by utilizing the anticipated rainfall and start sowing of Gourds.

Nilgiris

Agro Advisory:

Crop	Stage	Advisory
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General	All the stage	Heavy rainfall expected at isolated places on 28 and 29th. Arrange for adequate drainage to avoid water stagnation in the crop fields. Drain out excess water from the field of vegetables. Avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Harvest the matured crop immediately and store the harvested products at safe places.
Carrot crop	Vegetative stage	For carrot crop, apply 78 kg urea, 200 kg super phosphate and 60 kg potash as basal application. Apply half dose of the above as top dressing at 45th day.
Plantation crops		In cardamom plantation, apply 10 tonnes of Farm Yard Manure, 33 kg Urea, 84 kg Super phosphate and 50 kg potash per acre during July month.
		July month is the apt season for planting Tea seedlings. Farmers can benefit by availing Tea seedlings from Horticulture Department at subsidized rates.
Cattle		Due to heavy rainfall, do not allow the animals to graze outside, standing near the trees or electric poles. Provide adequate dry feed/fodder and drinking water.

SMS advisory:

July month is the apt season for planting Tea seedlings. Farmers can benefit by availing Tea seedlings from Horticulture Department at subsidized rates.

Ariyalur, Karur, Perambalur, Nagapattinam, Thanjavur and 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 favorable for gall midge infection in rice. It leads to the formation of onion like leaf and prevents the panicle formation. To control this apply chloropyrifos 20 EC 500 ml/ ha.
- Farmers are requested to download and utilize the agricultural based mobile apps suggested by TNAU (TNAU AAS, Meghdoot and DAMINI).
- To avoid mastitis disease in milching animals use potassium permanganate solution for cleaning the udder before and after milking.

SMS 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.

Thiruchirappalli

Tamilnadu's average rainfall is likely to be decrease than the normal during this week (28.07.2021 to 03.08.2021) From 2.44 mm to 0.58 mm. 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.

Crop(Varieties)	Crop Specific Advisory
RICE	Due to prevailing weather thrips infestation may occur in paddy at nursery stage. To control thrips infestation spray thiamethoxam 25% WG 4g
COTTON	Due to prevailing weather the white fly infestation may occur in cotton. To control white fly in cotton, Spray profenophos 50% EC 1000ml/ha.
GROUNDNUT	Due to prevailing weather leaf spot disease may occur in groundnut. To control this disease spray mancozeb @1000 g/ha.
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	To control & decreases the button shedding in coconut, Give root feeding of the coconut tonic @ 200 ml/palm at 6 months interval.

Dindigul

Thunderstorm with light to moderate rain is likely to occur at isolated places over the district on 27th to 31st Jul 2021.

THUNDERSTORM WARNING: 27.07.2021 to 31.07.2021: Thunderstorm with lightning is likely to occur at isolated places over the Dindigul district. Chances of light rain on 28 Jul. Max temp- 37°C & Min temp - 25°C-26°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from W direction.

Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	Prevailing weather the occurrence of Leaf curl disease is noticed in Tomato crop. The symptoms are, new leaves are greatly reduced in size and wrinkled, yellowed between the veins, and have margins that curl upward, giving them a cup-like appearance, Flowers may appear but usually will drop before fruit is set, giving the plant a stunted appearance. To manage raise barrier crops- cereals around the field, removal of weed host, keep yellow sticky traps @ 12/ha. to monitor the white fly. And spray 5gm Imidachloprid at 15, 25, 45 days after transplanting to control vector.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Farmers are advised to provide 2 to 3 gms of backing soda and 15 to 20gms of cooking salt with daily feed of the cow, this will help to increase the SNF rate in the milk.

Madurai

Thunderstorm with light to moderate rain is likely to occur at isolated places over the district on 27th Jul 2021.

THUNDERSTORM WARNING: 27.07.2021: Thunderstorm with lightning is likely to occur at isolated places over the Madurai district. Chances of light rain on 28 Jul. Max temp- 37°C & Min temp - 25°C-26°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from W direction.

Crop(Varieties)	Crop Specific Advisory
SORGHUM (JOWAR/GREAT MILLET)	Pre-treatment of seed is important in Sorghum cultivation. Treat the seeds 24 hours prior to sowing with Carbendazim or Captan or Thiram at 2g/kg of seed. For pest, treat with Imidachloprid @ 2ml per 1kg of seed. Before sowing,

	incorporate Azospirillum @ 800gm / acre and Phospho-bacteria @ 800gms /acre with the soil.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Farmers are advised to provide 2 to 3 gms of backing soda and 15 to 20gms of cooking salt with daily feed of the cow, this will help to increase the SNF rate in the milk.

Pudukottai

Extended Range Forecast For Tamil Nadu 01 .08.2021 to 7.08.2021 (:During the Week from 01 th to 07 th August Below Normal Rainfall . maximum temperature and minimum temperature Normal is likely to occur over Tamilnadu. Farmers are requested to take up planting operations, especially vegetable crops like chilies, brinjal, gourd, banana and perennial crops.

Crop(Varieties)	Crop Specific Advisory
JASMINE	Rose , Jasmine and Tuberose are all affected by the sucking Pest All stages . To control sucking pest spraying of prophenophos @ 2 ml per litre of water is recommended.
Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	To avoid damping off disease or soil borne diseases in tomato Trichoderma viride or Pseudomonas fluorescens may be applied @ 2.5 kg per hectare.
BANANA	To control sigatoka leaf spot in banana during shooting stage . spraying of propiconazole To control sigatoka leaf spot in banana during shooting stage . spraying of propiconazole 1 ml/litre +teepol 0.5ml/litre may be done.
COCONUT	Prevailing hot weather may be favorable for spiralling whitefly in coconut.Hence,farmers are requested to monitor the incidence and fix yellow sticky traps in 5-6 places/ acre.
TOMATO	Prevailing dry weather is favourable for sucking pest multiplication in tomato crop. Hence monitor the pest load and spray fish oil rosin soap @ 25 g/litre of water.
BANANA	As 10 km/hr wind speed is anticipated, it is advised to provide staking to Banana and newly planted horticultural plants.
COCONUT	Apply coconut husks with convex surface facing upwards in the basin of 1.8 m radius around the palms to conserve the soil moisture.
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	It is expected to rise in temperature in the forthcoming days,to the soil moisture content may be reduced, Hence farmers are advised to take up mulching around the root design of the crop with dried leaves,grass and other farm wastes to retain the soil moisture content.

Ramanathapuram

From extended range forecast, Below normal rainfall, Normal maximum temperature and minimum temperature expected for the period of August 01 to August 08 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
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 castor 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.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	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.

Sivagangai

Thunderstorm with light to moderate rain is likely to occur at isolated places over the district on 27th Jul 2021.

THUNDERSTORM WARNING: 27.07.2021: Thunderstorm with lightning is likely to occur at isolated places over the Sivagangai district Chances of drizzles on 28 Jul. Max temp- 37°C & Min temp - 25°C-26°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from W direction.

Crop(Varieties)	Crop Specific Advisory
RICE	Due to the prevailing weather condition the incense of Brown Spot disease is expected in Paddy. The disease appears first as minute brown dots later becoming cylindrical or oval to circular on leaves. Spots coalesce to form large patches leads to leaf dries up. Infection also occurs on panicle and neck with brown colour appearance. To control spray Metominostrobin @ 500ml /acre.

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Farmers are advised to provide 2 to 3 gms of backing soda and 15 to 20gms of cooking salt with daily feed of the cow, this will help to increase the SNF rate in the milk.

Theni

Thunderstorm with light to moderate rain is likely to occur at isolated places over the district on 27th Jul 2021.

THUNDERSTORM WARNING: 27.07.2021: Thunderstorm with lightning is likely to occur at isolated places over the Theni district. Chances of light rain on 28 Jul. Max temp- 34°C & Min temp - 23°C- Generally cloudy sky for next 5 days. Wind speed 12 kmph from W direction.

Horticulture(Varieties)	Horticulture Specific Advisory
Rose	Due to current weather the occurrence of Powdery mildew is expected in Rose. The symptom appears as grayish-white powdery substance on the surfaces of young leaves, shoots and buds. Infected leaves may be distorted, and some leaf drop may occur. Flower buds may fail to open, and those that do may produce poor-quality flowers. Collect and burn the fallen leaves. Spray Wettable sulphur @ 3grams per litre of water. Three sprays in 15 days interval is effective.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Farmers are advised to provide 2 to 3 gms of backing soda and 15 to 20gms of cooking salt with daily feed of the cow, this will help to increase the SNF rate in the milk.

Virudhunagar District

Crop/ Ecosystem	Stage / Activities	Advisories
Block level Weather forecast		Thunderstorm with Light to moderate rain is likely to occur at isolated places on Day 1 (27.07.21). 12-21 km/hr. of wind speed is predicted for block level.
Irrigated crops	Water management	Irrigation may be given.
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
Livestock protection	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 Ranikhet disease in being carried out on every Saturday.

SMS: Rain: Nil. Irrigation may be given. Onion - purple blotch diseases, foliar spray either Mancozeb or ridomil @2 gm /litre of water.

Tirunelveli District

Crop/ Ecosystem	Stage / Activities	Advisories
Block level Weather forecast		Thunderstorm with Light to moderate rain is likely to occur at isolated places from Day 1 (27.07.21) to Day 5 (31.07.21). 14-28 km/hr. block level wind speed is predicted.
Irrigated crops	Water management	Irrigation may be given
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.
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 roto-slasher for cutting the residues into small pieces and incorporate them into the soil.

SMS: Rain: 28 & 29.07.2021 - 3&2 mm. Irrigation may be provided. 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
Block level Weather forecast		Thunderstorm with Light to moderate rain is likely to occur at isolated places from Day 2 (28.07.21) to Day 5 (31.07.21). 15-29 km/hr. wind speed is predicted for block level
Irrigated crops	Water management	Provide Irrigation.
Paddy	Vegetative to 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. 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 roto-slasher 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: Nil. Irrigation may be given. Paddy- Leaf folder. spray Azadirachtin 0.03% 1000ml/ha. (or) Chlorontrinirole 18.5%SC @ 150g/ha.

Tamil Nadu		
Next five days	Weather Warning	Thunderstorm with Heavy rain is likely to occur at isolated places over Coimbatore, Nilgiris and Salem districts. Thunderstorm with Light to moderate rain is likely to occur at isolated places over Western Ghat districts, Interior Tamil Nadu, North Coastal Tamil Nadu, Delta region, Kanyakumari, Puducherry and Karaikal on Day 1 (27.07.2021). Thunderstorm with Light to moderate rain is likely to occur at isolated places over Western Ghat districts, North Tamil Nadu, Coastal Tamil Nadu, Puducherry and Karaikal on Day 2 (28.07.2021). Thunderstorm with Light to moderate rain is likely to occur at isolated places over Nilgiris, Coimbatore, Coastal Tamil Nadu and adjoining Interior Tamil Nadu, Puducherry and Karaikal from Day 3 (29.07.2021) to Day 5 (31.07.2021).
	Heavy Rainfall Warning	Day 1(27.07.2021): Heavy rain is likely to occur at isolated places over Coimbatore, Nilgiris and Salem districts.
	Thunderstorm Warning	Day 1(27.07.2021) to Day 5(31.07.2021): Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu.
Extended range of forecast		2021-08-01 to 2021-08-07 – rainfall is predicted to be below normal.

Salem

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Salem:		
Pulses	Sowing	Sowing of the pulses and millets can be taken up by utilising the expected rainfall
Maize	Vegetative	In maize (15 -20 days) to control fall army worm spray Chlorantraniliprole 18.5 SC- 4ml/ 10 lit (or flubendimide 20 WG – 5 gm/ 10 lit) of water in whorl region using hand sprayer.
Cotton	Vegetative	In cotton at vegetative stage for the management of sucking pest spray acetamiprid 50 sp @ 50gm / ha or imidacloprid 17 sl @ 125 ml / ha.
Citrus	Vegetative	Prevailing weather condition is suitable for the incidence of canker in leaf and fruits of citrus. The application of copper oxy chloride @0.2% and streptomycin sulphate @ 1 gm/lit of water is

		recommended. For the incidence of mite in citrus fruits, propargite @ 1ml/lit of water is advisable.
Groundnut	Vegetative	In groundnut, the incidence of leaf miner will be observed, for which chlorpyrifos 20 EC@ 2.5 ml /lt or Acephate 75 SP @ 2 gm / lt of water is recommended.
Small onion	Vegetative	In small onion, Thrips are seems mostly so, clean cultivation, regular hoeing. Flooding of infested field will check the thrips population.
Tapioca	Vegetative	The incidence of mealy bug will be noted during this weather condition. The mealy bug incidence may be managed by application of Thiodicarb 75 WP @ 5gm/lt or acephate 75 SP 1 gm /lt of water is recommended.
Poultry	Young	During brooding of young chicks in brooder, artificial heat should be given by using incandescert bulb at the rate of 2 watt / chick.Silpaulins / tarpaulins should be placed on either sideof poultry house to present entry of rain water inside the shed.
Livestock	Cattle	In rainy season management practices shouldbe followed to prevent stagnation of water in cattle shed. The floor of cattle shed should be clean and dry. Potassium permanganate solution shouldbe used for washing of udder and hands of milkman before and after milking to prevent mastitis.

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.
Poultry	General	In the recent days, there has been a rainy day followed by shine days in a week, this prevailing temperature and relative humidity is found to be an ideal condition for fly breeding. This has led to a high fly population in poultry farms. A simple technique is commonly practised to monitor fly population is spot card, which helps to take decision on fly control measures at an appropriate time. A white paper of size 5 x 3 inch mounted on a cardboard with pin and keep 5 – 10 spot cards / shed for 24 hour. After 24 hour, cards are collected and fly

		specks (spots) (faecal and vomit drops) can be counted to arrive approximate number of flies. If the fly spots are above 100, necessary control measures have to be taken.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Blackgram	Sowing period	Farmers are advised to take up Black gram crop (variety – VBN – 8) sowing along with seed treatment with bacillus subtilis @ 10 gram / kg of seed to control root rot diseases and achieve higher yield.
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.
All crops	Sowing	Farmers are requested to apply any one of the following manures i.e. well decomposed farm yard manure / compost / goat manure/ poultry manure/ green leaf manure/ vermi compost/ along with oil cake to conserve the soil moisture as well improve the fertility status of soil.
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.

Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Dharmapuri :		
Tomato	Vegetative	Top dressing in tomato, application of 163kg/ha of urea on 30th day after planting or during Earthing up is recommended. As for hybrid tomato, application of nitrogen, potassium each @ 150kg/ha in three equal split on 30, 45, and 60days after planting is advised.
Groundnut	Sowing	In groundnut to maintain optimum plant population 50kg seeds/acre should be used. At the time of sowing, seed treatment with Trichoderma viride @4g/kg seeds is recommended to prevent incidence of collar rot disease.
Vegetable crops	Flowering	In vegetable crop at flowering stage, spraying of arka vegetable special @ 3 gram/ litre can be recommended.
Livestock	General	Due to increasing temperature, incidence of summer mastitis in cattle is more, caused by E.coli bacteria, which results in sudden hardening of udder decolouration of milk. To control summer mastitis, make a paste of aloe vera (200g) turmeric (50g) lime (5g) and apply it outer side of udder 8 times per day for 5 days.
		In dairy cattle along with concentrate feed 50gm of

		sodium bicarbonate and yeast bolus supplementation helps to reduce acidosis and increase milk yield.
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Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, poultry & Crop	Stage	Weather advisory
Poultry	General	In the recent days, there has been a rainy day followed by shine days in a week, this prevailing temperature and relative humidity is found to be an ideal condition for fly breeding. This has led to a high fly population in poultry farms. A simple technique is commonly practised to monitor fly population is spot card, which helps to take decision on fly control measures at an appropriate time. A white paper of size 5 x 3 inch mounted on a cardboard with pin and keep 5 – 10 spot cards / shed for 24 hour. After 24 hour, cards are collected and fly specks (spots) (faecal and vomit drops) can be counted to arrive approximate number of flies. If the fly spots are above 100, necessary control measures have to be taken.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Blackgram	Sowing period	Farmers are advised to take up Black gram crop (variety – VBN – 8) sowing along with seed treatment with bacillus subtilis @ 10 gram / kg of seed to control root rot diseases and achieve higher yield.
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.
All crops	Sowing	Farmers are requested to apply any one of the following manures i.e. well decomposed farm yard manure / compost / goat manure/ poultry manure/ green leaf manure/ vermi compost/ along with oil cake to conserve the soil moisture as well improve the fertility status of soil.
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.

Kanyakumari

AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
1.			There are possibilities of rainfall on 28.07.21, 29.07.21 and 30.07.21. Maximum temperature will be around 31°C and minimum temperature will be around 24°C. Cloudy condition may prevail. The relative humidity will be 55 to 90 %. Wind speed may be 20 km / hr in West direction.

2.	Horticultural crops.	Planting stage.	As 20 km/hr wind speed is anticipated, it is advised to provide staking to newly planted horticultural plants.
3	Banana	Shooting stage.	Use transparent polythene sleeves (4%) to cover the bunches to increase the quality.
4.	Pepper	Planting stage	Prophylactic spray of Metalaxyl + Mancozeb @ 2 g/litre is to be done for pepper to control foot rot.
5.	Coconut	All stages	Green manure crops sown in the coconut basin or in the interspace of coconut gardens have to be incorporated into the soil if they have attained 50% flowering.
6.	Rice	Vegetative stage	If the attack of leaf mite is noticed in paddy field, Spraying of propargite @ 2 ml/ lit or spiromesifen @ 0.6ml/lit should be done.

SMS Advisory

Irrigate the paddy field to a depth of 5 cm after the disappearance of pond water.

Pot irrigation / hose irrigation may be done for newly planted seedlings.

Irrigation should be given to newly planted banana trees.

Karaikal

Weather based Agro-Advisories:

To manage mealy bug in cotton, spray Thiamethoxam 25 WG @ 0.2 g/l or Buprofezin 25 SC @ 2 ml/l. To manage white fly in cotton, spray Azadirachtin 0.03 (300 ppm) @ 5-10 ml/l or Thiamethoxam 25 WG 0.4 g/l. To manage tobacco cutworm in brinjal, spray Bacillus thuringiensis 2 g/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 rain is expected on 28th July and 01st August in many places and chance of light to moderate rain is expected at isolated places 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 dematon 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 Babesiasis disease in cattle. High fever, dark coloured urine, less intake of feed and less milk yield are the symptoms of Babesiasis 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:

Dry weather is expected to be in many places, farmers are advised to apply need based irrigation to the crop.

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 decrease than the normal during this week (28.07.2021 to 03.08.2021) From 2.44 mm to 0.58 mm. 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.

Crop(Varieties)	Crop Specific Advisory
RICE	Due to prevailing weather thrips infestation may occur in paddy at nursery stage. To control thrips infestation spray thiamethoxam 25% WG 4g
COTTON	Due to prevailing weather the white fly infestation may occur in cotton. To control white fly in cotton, Spray profenophos 50% EC 1000ml/ha.
COCONUT	To control & decreases the button shedding in coconut, Give root feeding of the coconut tonic @ 200 ml/palm at 6 months interval.

NILGIRIS DISTRICT

Coonoor, Gudalur, Kotagiri and Ooty Blocks

Agro Advisory:

Crop	Stage	Advisory
General	All the stage	Heavy rainfall expected at isolated places on 28 and 29th. Arrange for adequate drainage to avoid water stagnation in the crop fields. Drain out excess water from the field of vegetables. Avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Harvest the matured crop immediately and store the harvested products at safe places.

Carrot crop	Vegetative stage	For carrot crop, apply 78 kg urea, 200 kg super phosphate and 60 kg potash as basal application. Apply half dose of the above as top dressing at 45th day.
Plantation crops		In cardamom plantation, apply 10 tonnes of Farm Yard Manure, 33 kg Urea, 84 kg Super phosphate and 50 kg potash per acre during July month.
		July month is the apt season for planting Tea seedlings. Farmers can benefit by availing Tea seedlings from Horticulture Department at subsidized rates.
Cattle		Due to heavy rainfall, do not allow the animals to graze outside, standing near the trees or electric poles. Provide adequate dry feed/fodder and drinking water.

SMS advisory:

July month is the apt season for planting Tea seedlings. Farmers can benefit by availing Tea seedlings from Horticulture Department at subsidized rates.

KANYAKUMARI District

Agastiswaram Block

AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
1.	Horticultural crops.	All stages	Basins can be formed and coir compost should be applied to conserve moisture in banana, pepper, clove, nutmeg, cinnamon and coconut.

Killiyoor Block

AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
1.	Coconut	All stages	For the control of coconut rugose spiraling whitefly kindly avoid application of insecticides to encourage natural enemies and setting up of yellow sticky traps coated with castor oil @ 8/acre.

Kurunthancode Block

AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
1.	Papaya	Harvest stage	To prevent post-harvest disease of rhizopus rot spray mancozeb @ 2g/litre of water before harvest.

Melpuram Block

AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
1.	Tapioca	All stages	Spraying of fish oil rosin soap @ 25g/litre for the management of tapioca mealy bug.

Munchirai Block

AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
1.	Coconut	All stage	Husk burial can be done in coconut basins or in the interspaces to preserve rain water.

Rajakkamangalam Block

AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
1.	Jasmine	Vegetative stages	Apply 10 g of Phorate granules near root zone and irrigate to control the nematode pest.

Thackalai Block

AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
1.	Papaya	Harvest stage	To prevent post-harvest disease of rhizopus rot spray mancozeb @ 2g/litre of water before harvest.

Thiruvattar Block

AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
1.	Horticultural crops	All stages	There is no possibility of rainfall during forthcoming five days. So, Irrigation should be given to banana, coconut, black pepper and other horticultural crops.

Thovalai Block

AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
1.	Banana	All Stages	Irrigation and mulching can be taken up to conserve moisture. Staking should be given to bananas of more than 7 months to prevent from wind damage.

