



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

DISTRICT LEVEL

Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 057/2022

For the period 0830 IST, 19th July 2022 to
0830 IST, 24th July 2022

Issued on Tuesday, 19th July 2022

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 15.07.22 to 18.07.22 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range **28°C – 40°C** prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range **14°C – 21°C** during the period.

Minimum temperature of range **21°C - 28°C** prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range **10°C - 12°C** during the same period.

Spatial distribution of Rainfall

Spatial distribution of Rainfall	Date	Area
Widespread (Most places)	--	--
Fairly widespread (Many places)	--	--
Scattered (Few Places)	17.07.22 & 18.07.22 17.07.22	Tamil Nadu Puducherry
Isolated (One or Two Places)	15.07.22 & 16.07.22	Tamil Nadu
Dry	15.07.22, 16.07.22 & 18.07.22	Puducherry

Chief Amounts of Rainfall (in cms):-

15.07.22 : Upper Bhavani (dist Nilgiris), Avalanche (dist Nilgiris) 32 each, Gudalur Bazar (dist Nilgiris) 17, Upper Gudalur (dist Nilgiris) 16, Sholayar (dist Coimbatore) 13, Chinnakalar (dist Coimbatore), Emeraldad (dist Nilgiris), Valparai Taluk Office (dist Coimbatore), Valparai PAP (dist Coimbatore) 11 each, Pandalur Taluk office (dist Nilgiris), Glenmorgan (dist Nilgiris), Devala (dist Nilgiris) 10 each, Harisan Malayalam Ltd, Cherangode, Naduvattam (dist Nilgiris), Periyar (dist Theni) 9 each, Kundha Bridge (dist Nilgiris) 8, Valparai PTO (dist Coimbatore), Cincona (dist Coimbatore) 7 each, Wood Braiyar Estate (dist Nilgiris) 5, Barwood (dist Nilgiris), Chamraj Estate (dist Nilgiris), Harisan Malayalam Ltd, Cherumulli (dist Nilgiris) 4 each, Thekkadi (dist Theni) 3, Sivalogam (dist Kanyakumari), Uthagamandalam (dist Nilgiris), Pollachi (dist Coimbatore) 2 each, Suralacode (dist Kanyakumari), Gudalur (dist Theni), Shencottah (dist Tenkasi), Perunchani Dam (dist Kanyakumari), Bhoothapandy (dist Kanyakumari), Kanyakumari (dist Kanyakumari), Ketti (dist Nilgiris), Papanasam (dist Tirunelveli), Thuckalay (dist Kanyakumari), Thenkasi (dist Tenkasi), Aliyar (dist Coimbatore), Puthan Dam (dist Kanyakumari), Thirumoorthi Dam (dist Tiruppur), Billimalai Estate (dist Nilgiris) 1 each.

16.07.22 : Avalanche (dist Nilgiris) 17, Upper Bhavani (dist Nilgiris) 10, Naduvattam (dist Nilgiris) 9, Chinnakalar (dist Coimbatore) 7, Harisan Estate (dist Nilgiris), Pandalur Taluk Office (dist Nilgiris) 6 each, Valparai Pto (dist Coimbatore), Sholayar (dist Coimbatore), G Bazar (dist Nilgiris), Devala (dist Nilgiris) 5

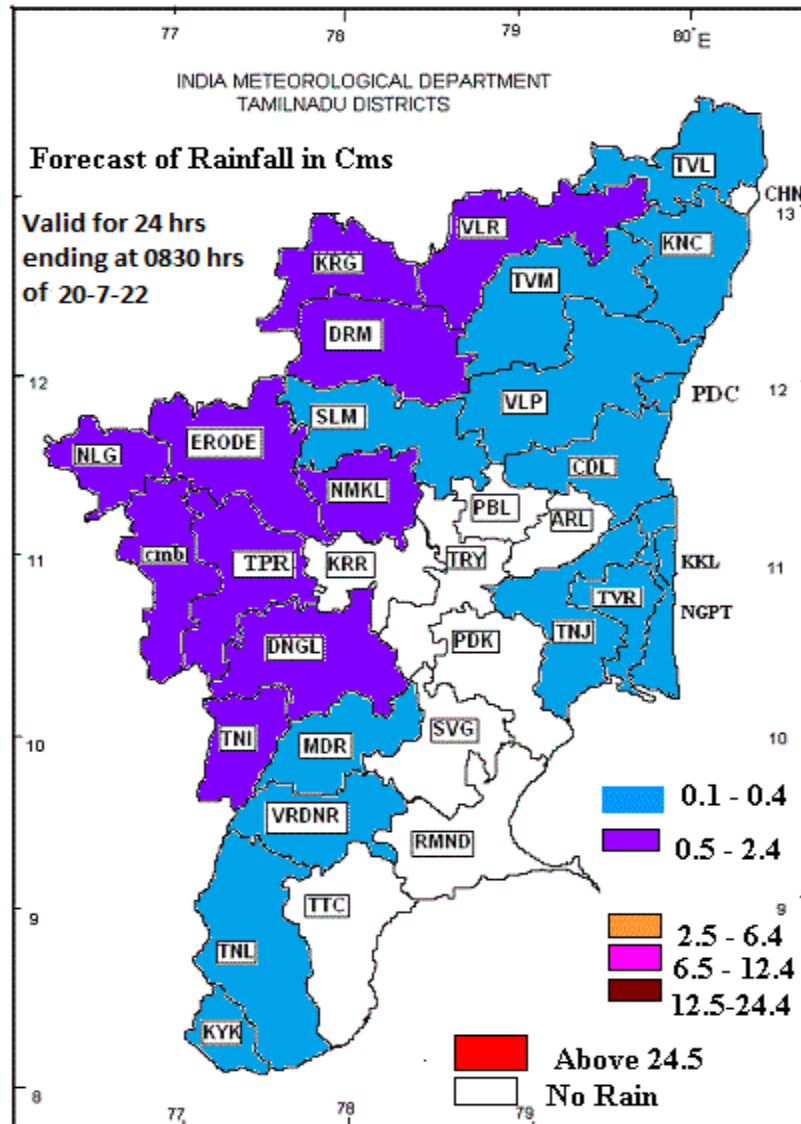
each, Emeralad (dist Nilgiris), Glenmorgan (dist Nilgiris) 4 each, Valparai Taluk Office (dist Coimbatore), Upper Gudalur (dist Nilgiris), Cincona (dist Coimbatore) 3 each, K Bridge (dist Nilgiris), Thekkadi (dist Theni), Papanasam (dist Tirunelveli), Perunchani Dam (dist Kanyakumari) 2 each, Pollachi (dist Coimbatore), Bhoothapandy (dist Kanyakumari), Pechiparai (dist Kanyakumari), Thenkasi (dist Tenkasi), Suralacode (dist Kanyakumari), Eraniel (dist Kanyakumari), Shencottah (dist Tenkasi), Nagercoil (dist Kanyakumari) 1 each.

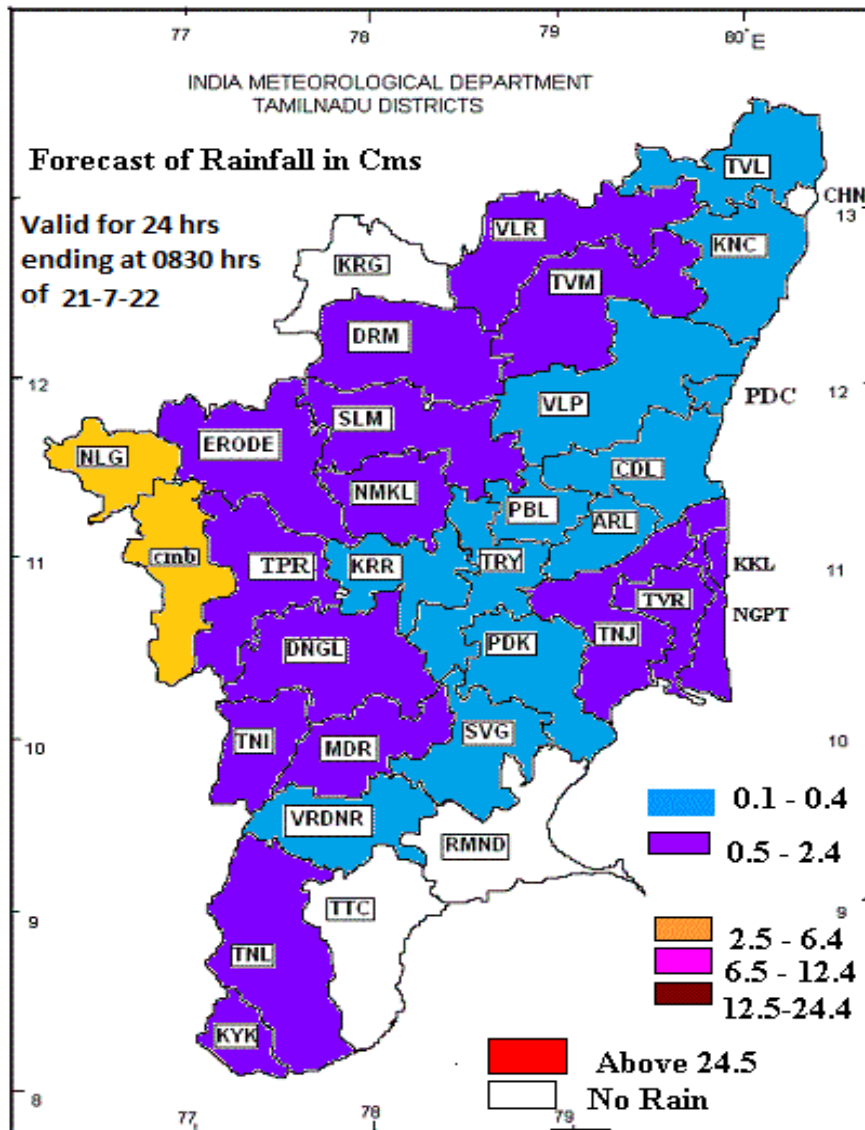
17.07.22 : Upper Bhavani (dist Nilgiris), Avalanche (dist Nilgiris) 7 each, Tirupattur (dist Tirupattur), Agaram Seegoor (dist Perambalur), Naduvattam (dist Nilgiris), Tirupathur PTO (dist Tirupattur), Kilachervai (dist Cuddalore) 6 each, Chinnakalar (dist Coimbatore), Valparai PTO (dist Coimbatore) 5 each, Pandalur Taluk Office (dist Nilgiris), Harisan Malayalam Ltd, Cherangode (dist Nilgiris) 4 each, Tiruttani (dist Tiruvallur), Natrampalli (dist Tirupattur), Sholayar (dist Coimbatore), Valparai Taluk Office (dist Coimbatore), Poondi (dist Tiruvallur), Tiruvallur (dist Tiruvallur), Cincona (dist Coimbatore), Valparai PAP (dist Coimbatore), 3 each, Devala (dist Nilgiris), Tozhudur (dist Cuddalore), Labbaikudikadu (dist Perambalur), Chidambaram AWS (dist Cuddalore), Thamaraipakkam (dist Tiruvallur), Puzhal ARG (dist Tiruvallur), Thiruvalangadu (dist Tiruvallur), Kurinjipadi (dist Cuddalore), Eraiyur (dist Perambalur), Gudalur Bazar (dist Nilgiris), Katpadi (dist Vellore), Glenmorgan (dist Nilgiris), Parangipettai (dist Cuddalore), Ayanavaram Taluk Office (dist Chennai), Avadai (dist Tiruvallur), Barwood (dist Nilgiris), Wood Braiyar Estate (dist Nilgiris), Lakkur (dist Cuddalore), Santhiyur KVK (dist Salem) 2 each, Chidambaram (dist Cuddalore), Thammampatty (dist Salem), Red Hills (dist Tiruvallur), Vellore (dist Vellore), Ammundi (dist Vellore), Tiruttani PTO (dist Tiruvallur), Veeraganoor (dist Salem), Krishnagiri (dist Krishnagiri), Chennai Nungambakkam (dist Chennai), Srimushnam (dist Cuddalore), Bhuvanagiri (dist Cuddalore), Sriperumbudur (dist Kancheepuram), DGP Office (dist Chennai), Jayamkondam (dist Ariyalur), Shoolagiri (dist Krishnagiri), Ambathur (dist Tiruvallur), Arcot (dist Ranipet), Tambaram (dist Chengalpattu), Veppanthattai (dist Perambalur), Dharmapuri PTO (dist Dharmapuri), Thali (dist Krishnagiri), Pallipattu (dist Tiruvallur), Emeralad (dist Nilgiris), R.K.pet (dist Tiruvallur), Arakonam (dist Ranipet), MGR Nagar (dist Chennai), Kollidam (dist Mayiladuthurai), Pelandurai (dist Cuddalore), Vadapudupattu (dist Tirupattur), Mangalapuram (dist Namakkal), Penucondapuram (dist Krishnagiri), Rayakottah (dist Krishnagiri), Vaniyambadi (dist Tirupattur), Periyar (dist Theni), Chengam (dist Tiruvannamalai), Hosur (dist Krishnagiri), Uthukottai (dist Tiruvallur), Thekkadi (dist Theni), ACS Medical College ARG (dist Kancheepuram), Good Will School, Villivakkam ARG (dist Tiruvallur), Tirur KVK (dist Tiruvallur), Virinjipuram KVK (dist Vellore), West Tambaram ARG (dist Chengalpattu) 1 each.

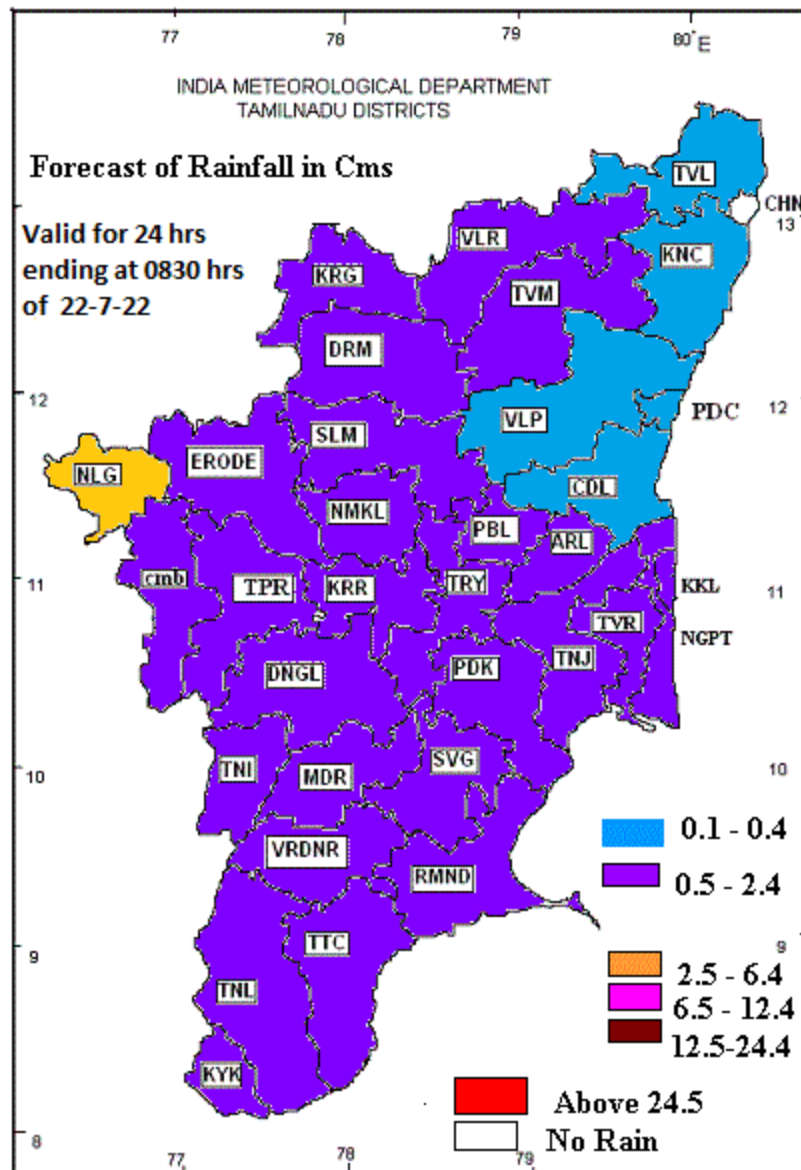
18.07.22 : Naduvattam (dist Nilgiris) 8, Tirupuvanam (dist Sivaganga) 7, Barwood (dist Nilgiris), Pandalur Taluk Office (dist Nilgiris), Devala (dist Nilgiris), Avinasi (dist Tiruppur) 5, Kodaikanal (dist Dindigul), Paramathivelur (dist Namakkal), Harisan Estate, Cherangode (dist Nilgiris) 4 each, Chinnakalar (dist Coimbatore), Gudalur Bazar (dist Nilgiris), Sriperumbudur (dist Kancheepuram), Valparai PTO (dist Coimbatore), Madurai South (dist Madurai), Glenmorgan (dist Nilgiris), Cherumulli (dist Nilgiris), Upper Gudalur (dist Nilgiris), PWD Office, Tiruppur (dist Tiruppur) 3 each, Wood Braiyar Estate (dist Nilgiris), Mettupatti (dist Madurai), Yercaud (dist Salem), Valparai Taluk Office (dist Coimbatore), Rasipuram (dist Namakkal), Vadapudupattu (dist Tirupattur), Tallakulam (dist Madurai), Panruti (dist Cuddalore), Tiruppur (dist Tiruppur), Chembarabakkam (dist Tiruvallur), Vellore (dist Vellore), Sholayar (dist Coimbatore), Annavasal (dist Pudukkottai), Tiruvallur (dist Tiruvallur), Omalur (dist Salem), Vallam (dist Thanjavur), Valparai PAP (dist Cuddalore), Cincona (dist Coimbatore), Adanakottai (dist Pudukkottai), Vanamadevi (dist Cuddalore), Soorapattu (dist Villupuram) 2 each, Pulipatti (dist Madurai), Chennai AP (dist Chennai), Annur (dist Coimbatore), Upper Bhavani (dist Nilgiris), Melur (dist Madurai), Kaveripakkam (dist Ranipet), Illuppur (dist Pudukkottai), Perundururai (dist Erode), Chittampatti (dist

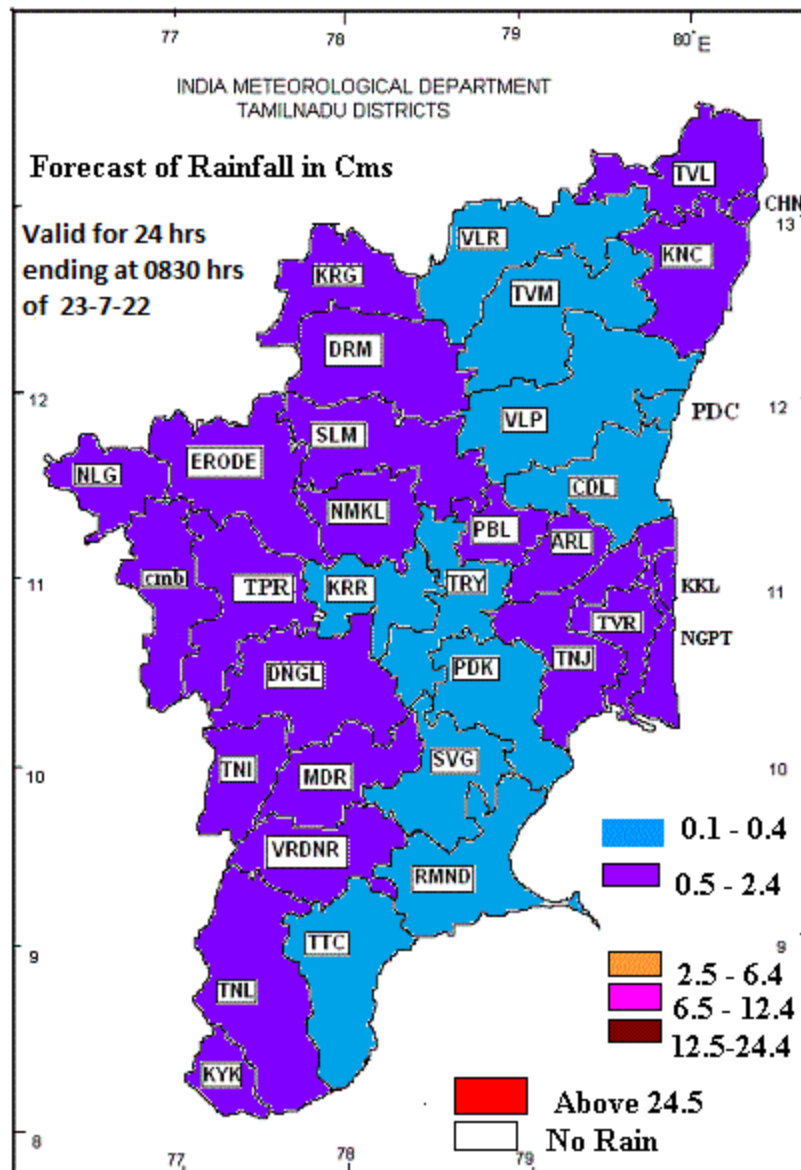
Madurai), Mangalapuram (dist Namakkal), Melalathur (dist Vellore), Sattur (dist Virudhunagar), Perungalur (dist Pudukkottai), Uthukuli (dist Tiruppur), Ambur (dist Tirupattur), Erode (dist Erode), Avalanche (dist Nilgiris), Virinjipuram KVK (dist Vellore), Kudithangi (dist Cuddalore), Mundiampakkam (dist Villupuram), Koliyanur (dist Villupuram), Manjalar (dist Theni), Thaniamangalam (dist Madurai), Sathiar (dist Madurai), Yethapur (dist Salem), Puthuvettakudi (dist Perambalur), Kanjanur (dist Villupuram), Tirur KVK (dist Tiruvallur) 1 each.

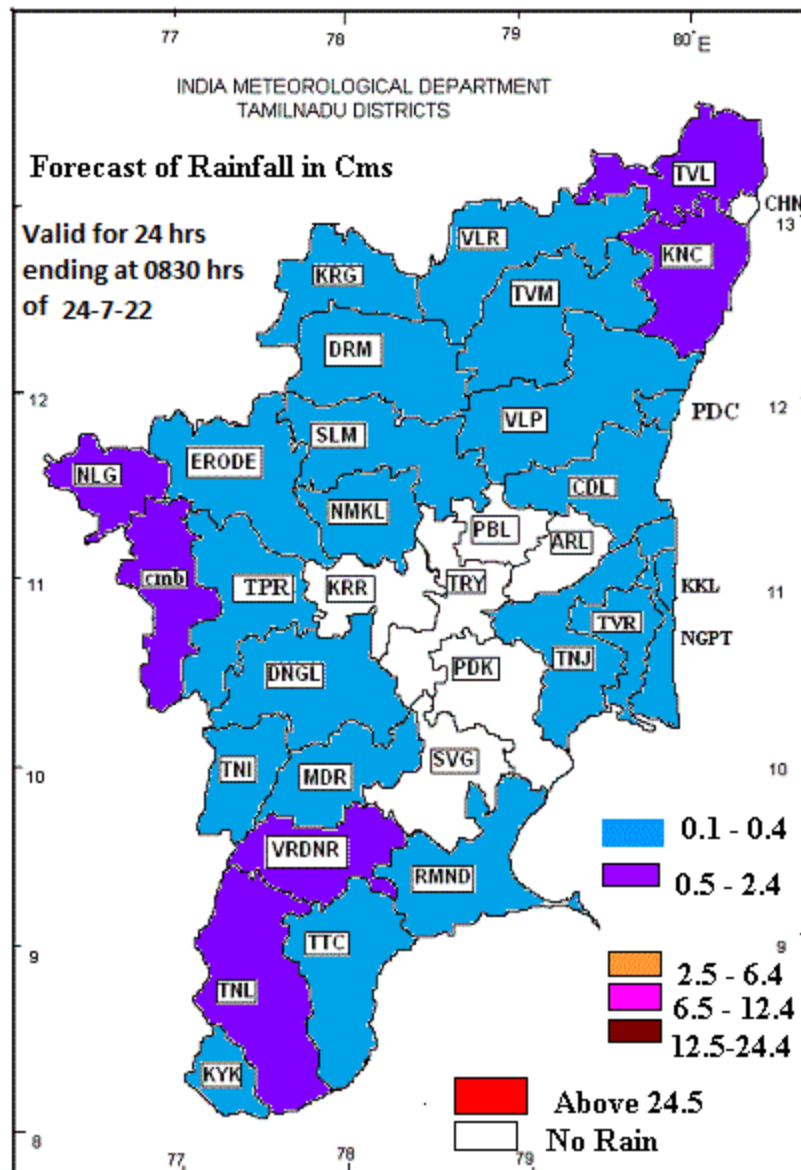
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 19.07.22
VALID FOR THE NEXT 5 DAYS**











District-wise Agromet Advisories

Chennai

SMS Advisory:

(19.07.2022-21.07.2022): Heavy rain is likely to occur at isolated places over Krishnagiri, Tirupattur, Tiruvannamalai districts of Tamilnadu.

Livestock Advisory

The farmers should avoid allowing the animals to graze in hot parts of the day.

Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.

The increased humidity in pig sty may occasionally increase the ammonia concentration to prevent this, the sty must be facilitated with good ventilation

Increased humidity and air temperature may predispose rabbits to fungal infection leading to respiratory distress, to prevent this during rainy season the sidewalls of the rabbitry must be closed with gunny bags to prevent rainwater infiltration

The farmers rearing poultry in backyard system must prevent the birds from drinking, the stagnant water to prevent parasitic infestation

Kancheepuram

From the extended range forecast of IMD, Above normal rainfall, Normal maximum temperature and minimum temperature is expected for the period of 24.07.2022 to 30.07.2022 over Tamil Nadu and Pondicherry region. The forecasted weather may cause sucking pest infestation in field crops. Farmers are advised to monitor the infestation and necessary plant protection measures taken up. Farmers are advised to avoid longer storage of fish feed and Feed ingredients and advised to store in well clean, dry and ventilated places to avoid fungal contamination.

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.
OKRA/ LADYFINGER	There are possibilities of fruit borer infestation in bhendi crop. For management farmers are advised setup the pheromone trap @ 6/ac.
JASMINE	There are possibilities of bud worm infestation in Jasmine flower. Farmers may take plant protection measures with the advice of horticulture officer.
Horticulture(Va rieties)	Horticulture Specific Advisory
BRINJAL	There are possibilities of Hadda / spotted beetle infestation in brinjal crop. For effective management farmers may spray Carbaryl 50 WP @ 3gram/liter.
BOTTLE GOURD	There are possibilities of leaf miner infestation in cucurbit crops. For management farmers are advised to spray NSKE @ 5%.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Deworm and detick the dairy animals to avoid parasitic infection. To avoid mud eating habit of calves farmers are advised to hang TANUVAS salt licks in sheds.

GOAT	Farmers are advised to provide salt lick to sheep and goat at their sheds to avoid mineral deficiency syndromes in animals. Farmers are advised not to allow the animals to graze in the new grown pasture after rainy season.
Fisheries(Varieties)	Fisheries Specific Advisory
INLAND	Farmers are advised to ensure the fish pond surrounding and pond dyke are clean and up to the height of 2 feet from water level the pond dyke may be maintained free from weeds. Fish farmers are advised to fix a cement pipe of one feet diameter with wore mesh to avoid the overflow of water in fish pond. During rainy days the predatory fishes may enter in to fish pond through rain water, to protect the entry of predatory fish's farmers may fix 5 and 15 mm wire mesh in the water inlets of fish pond. To avoid feed wastage in fish/prawn ponds farmers are advised to go for demand feeding using feeding nets.
COMMON FISH	Model fish sampling may be performed either in morning or late evening hours to access the disease incidence in weekly or fortnightly basis. Due to low temperature and cloudy weather in upcoming five days, the morning feed may be delayed for one hour or more. Rainwater harvesting farmers are advised to follow the netting pattern initially 5mm and 10 mm and inlet bag 1 mm and 3 mm to avoid excessive debris and turbidity with pond water.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	For flies' management in poultry sheds, Farmers may fix PESTO- flash in the corner of the shed. Farmers are advised to vaccinate the poultry birds against Ranikhet disease in nearby veterinary dispensary.

Villupuram

SMS Advisory:

(19.07.2022-21.07.2022): Heavy rain is likely to occur at isolated places over Krishnagiri, Tirupattur, Tiruvannamalai districts of Tamilnadu.

Livestock Advisory:

The farmers should avoid allowing the animals to graze in hot parts of the day.

Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.

The increased humidity in pig sty may occasionally increase the ammonia concentration to prevent this, the sty must be facilitated with good ventilation

Increased humidity and air temperature may predispose rabbits to fungal infection leading to respiratory distress, to prevent this during rainy season the sidewalls of the rabbitry must be closed with gunny bags to prevent rainwater infiltration

The farmers rearing poultry in backyard system must prevent the birds from drinking, the stagnant water to prevent parasitic infestation

Agricultural advisory Rice:

Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 25% WG 100 g/ha or dimethoate 1.5ml/l.2. Due to prevailing weather condition chances of redmite infestation in paddy field. To control spray dicofol 18.5% EC 1250 ml/ha or azadiractin 0.03% 1000 ml/ha.3. Due to prevailing weather condition leaf folder and stem borer infestation is found in

paddy crop. To manage them, spray chlorantraniliprole 18.5% 150 ml/ha or flubendiamide 39.35 SC 50 g/ha during morning or evening hours..

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. 2. Due to prevailing weather condition changes of sugarcane early shoot borer infection. To control spray chlorantraniliprole 18.5 SC (0.5 ml/l) or fipronil 5 % SC (2 ml/l).

Groundnut:

Due to prevailing weather condition there are chances of groundnut tikka leaf spot and rust infection. To control spray chlorothalonil 2.0 g/l or mancozeb 2.5 g/l. 2. Due to prevailing weather condition there are chances of groundnut tobacco caterpillar infestation. To control spray methomyl 40 SP 750 ml/ha.

Brinjal:

Prevailing weather is favorable for shoot and fruit borer incidence in brinjal. To control remove the affected terminal shoot showing boreholes. Install pheromone trap @ 5 nos./ac or spray azadirachtin 1.0% EC 3.0 ml/lit or emamectin benzoate 5% SG 4.0g/10 liter.

Normally summer rain accompanied with squally wind. Therefore stacking may be given to be five months old and above banana crops.

Coconut:

Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. 2. Encourage buildup of parasitoids (*Encarsia* sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. 3. In severe case, spray neem oil 10 ml/lit of water or spray azadirachtin 2.0 ml/lit of water with 1.0 ml of sticking agent.

Tiruvannamalai

SMS Advisory:

(19.07.2022-21.07.2022): Heavy rain is likely to occur at isolated places over Krishnagiri, Tirupattur, Tiruvannamalai districts of Tamilnadu.

Livestock Advisory:

The farmers should avoid allowing the animals to graze in hot parts of the day.

Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.

The increased humidity in pig sty may occasionally increase the ammonia concentration to prevent this, the sty must be facilitated with good ventilation

Increased humidity and air temperature may predispose rabbits to fungal infection leading to respiratory distress, to prevent this during rainy season the sidewalls of the rabbitry must be closed with gunny bags to prevent rainwater infiltration

The farmers rearing poultry in backyard system must prevent the birds from drinking, the stagnant water to prevent parasitic infestation

Agricultural 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.

In the paddy planting field to apply Butachlor for weed control 2.5 litre+25 Kg sand per hectare on the third day.

Groundnut

To increase flower retention, pod filling and to induce drought tolerance apart from yield improvement, 2 sprays of groundnut rich @ 5 kg / ha (for each spray) at 35 DAS (50 % flowering) and 45 DAS (pod development stage).

Black gram

To decrease flower shedding, to increase yield up to 20% and to increase drought tolerance spray TNAU pulse wonder @ 2 kg / acre at peak flowering stage in 200 litres of water.

Maize

Prevailing weather condition is favorable for fall army worm incidence in maize. Hence farmers are requested to monitor the field and spray Chlorantraniliprole 18.5 SC 4 ml/10 litre.

Banana

To control Panama wilt in banana, soil drenching with copper oxy chloride 2 g/litre.

Tiruvallur

From extended range forecast Above normal rainfall, Normal minimum temperature and maximum temperature expected for the period of 24.07.2022 to 30.07.2022 over Tamil Nadu. 1. Avoid spray pesticide and fertilizer application; 2. Farmers are advised to download Meghdoot app from Android Play Store.

Crop(Varieties)	Crop Specific Advisory
RICE	Rice- Sornavari Season- Vegetative Phase (Transplanting to Tillering Stage) -1. Stem borer- Spray Azadirachtin 0.03% 400 ml (Or) Flubendiamide 20% WG 50g per acre in 200 litres of water; 2. Bacterial leaf blight (BLB)- i). Spray twice copper hydroxide 77 WP 500g per acre in 200 litres of water; 30 and 45 days after planting. (or) ii). spray streptomycin sulphate + tetracycline combination @120 g + copper oxychloride @ 500 g/acre. If necessary repeat 15 days later. (or) iii). Spray 20% fresh cow dung extract twice (starting from initial appearance of the disease and another at fortnightly interval); 3. Leaf folder- Spray Acephate 75 % SP 400 ml (Or) Spray Azadirachtin 0.03% 400ml per acre in 200 litres of water.
RICE	Rice- Samba Season-Rice Variety Selection- ADT- 54 -Variety suitable for samba season alternate to BPT 3204, 130-135 days duration and medium slender grain, moderately resistant to stem borer and blast, Direct sown semi dry areas; CR1009 Sub 1 Variety suitable for flooded condition, 140-180 days and moderately resistant to BPH, WBPH, Brown spot and Leaf Blast. CR1009 Sub1 has short bold grain type.
SUGARCANE	Sugarcane- Inter nodes borer- Release egg parasitoid, Trichogramma chilonis at the rate of @ 2.5 cc / release / acre. at 15 days intervals starting from 4th month onwards. Avoid the use of excessive nitrogenous fertilizers. Collect and destroy the eggs periodically. Detrash the crop on 150th and 210th day of planting.
Horticulture(Varieties)	Horticulture Specific Advisory
CHILLI	Chilli- Fruit borer- Spray Chlorantraniliprole 18.5 SC 3.0ml/10 lit. (or) Cyantraniliprole 10.26 OD 1.8ml/lit. and Set up pheromone traps for Helicoverpa armigera (or) Spodoptera litura at 5 Nos./acre.
BRINJAL	Brinjal-Fruit borer- Spray Neem Seed Kernel Extract 5 % (or) Spray Dimethoate 30 % EC 7.0 ml/10 l. and Encourage the activity of larval parasitoids: Pristomerus testaceus, Cremastus flavoorbitalis; 2. Little Leaf - Remove the affected plants in the early stages and spray dimethoate 30 EC @ 1 ml/l to control the vector.

MANGO	Mango- Fruit fly- Prepare bait with methyl eugenol 1% solution mixed with malathion @ 2.0 ml/l. Take 10 ml of this mixture per trap and keep them in 25 different places in one acre between 6 a.m. and 8 a.m. or keep methyl eugenol traps @ 10/acre.
GUAVA	Guava- Mealy bug- Spray Triozhophos 2 ml+ neem oil 5 ml/1litre of water; Release Cryptolaemous montrouzieri beetles @ 10/tree.

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 24.07.2022 to 30.07.2022. Prevailing weather condition is favorable for sucking pest incidence for all crops. Farmers are advised to monitor their field and take necessary plant protection measures based on symptoms of damage. Light rainfall is expected in the forthcoming days. So, farmers are advised to spray insecticides or herbicides with sticking agent.

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. In the paddy planting field to apply Butachlor for weed control 2.5 litre+25 Kg sand per hectare on the third day.
GROUNDNUT	To increase flower retention , pod filling and to induce drought tolerance apart from yield improvement , 2 sprays of groundnut rich @ 5 kg / ha(for each spray) at 35 DAS (50 % flowering) and 45 DAS (pod development stage).
BLACK GRAM	To decreases flower shedding , to increase yield upto 20% and to increase drought tolerance spray TNAU pulse wonder @ 2 kg / acre at peak flowering stage in 200 litres of water.
MAIZE	Prevailing weather condition is favorable for fall army worm incidence in maize. Hence farmers are requested to monitor the field and spray Chlorantraniliprole 18.5 SC 4 ml/10 litre.
Horticulture(Varieties)	Horticulture Specific Advisory
BANANA	To control panama wilt in banana, soil drenching with copper oxy chloride 2 g/litre.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Give 75 ml of supernatant of diluted calcium in water to milking cow . Give 1kg Azolla ,1 kg velimasal leaves, 1kg mulberry leaves, and 1kg subabul leaves per day a Holstein Friesian cattle. Give 5kg of dry fodder (Sorghum straw/Paddy straw/ Groundnut haulms) to a cow per day increase the milk yield and milk fat.
GOAT	Give rotational deworming liquid oxcycloxanide 5ml per sheep/Goat Give 250 ml of mixture of Maize grains groundnut oil cake per day per sheep and goat as flushing in adult animals after weening of their. Lambs / kids for 3 weeks.
Poultry(Varieties)	Poultry Specific Advisory
HEN	Maintain proper temperature and light during brooding of chicks. Give nasal/ocular drop of vaccines at age of day 7- F strain, day 14-IBD, day 21- lasotta on every 3

	months RDVK can be vaccinated as SC route.
--	---

Cuddalore

From extended range forecast above normal rainfall, normal minimum temperature and maximum temperature expected for the period of 24.07.2022 to 30.07.2022 over Tamil Nadu. Light rainfall will be expected in the forthcoming days, so farmers are advised to irrigate crop based on the soil moisture.

Crop(Varieties)	Crop Specific Advisory
RICE	1. Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 25% WG 100 g/ha or dimethoate 1.5ml/l. 2. Due to prevailing weather condition chances of redmite infestation in paddy field. To control spray dicofol 18.5% EC 1250 ml/ha or azadiractin 0.03% 1000 ml/ha. 3. Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray chlorantraniliprole 18.5% 150 ml/ha or flubendiamide 39.35 SC 50 g/ha during morning or evening hours.
SUGARCANE	1. 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. 2. Due to prevailing weather condition changes of sugarcane early shoot borer infection. To control spray chlorantraniliprole 18.5 SC (0.5 ml/l) or fipronil 5 % SC (2 ml/l).
GROUNDNUT	1. Due to prevailing weather condition there are chances of groundnut tikka leaf spot and rust infection. To control spray chlorothalonil 2.0 g/l or mancozeb 2.5 g/l. 2. Due to prevailing weather condition there are chances of groundnut tobacco caterpillar infestation. To control spray methomyl 40 SP 750 ml/ha.
Horticulture(Varieties)	Horticulture Specific Advisory
BRINJAL	Prevailing weather is favorable for shoot and fruit borer incidence in brinjal. To control remove the affected terminal shoot showing boreholes. Install pheromone trap@ 5 nos./ac or spray azadirachtin 1.0% EC 3.0 ml/lit or emamectin benzoate 5 % SG 4.0g/10 liter.
COCONUT	1. Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. 2. Encouragebuildup of parasitoids (Encarsia sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. 3. In sever case, spray neem oil 10 ml/lit of water or spray azadirachtin 2.0 ml/lit of water with 1.0 ml of sticking agent.
Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory

GENERAL ADVICE	High wind speed expected sometimes, so farmers are advised to prop the moringa and banana crops.
----------------	--

Coimbatore

Agro Advisory

Crop	Stage	Advisory
General		Moderate to heavy rainfall is expected in western zone. Heavy wind speed (20 km/hr) is expected in Coimbatore district and it would be 6 km/hr in Erode and Tirupur. Hence, provide adequate support to banana crop. Due to continuous rainfall, provide adequate drainage to all crops. Areas adjoining to western ghats will receive heavy rain fall, hence provide contour trench channel for draining the excess water from cultivated field and fallow land to reduce soil erosion.
Rice	Transplanting	Kar rice at tillering stage may be applied with 30 kg Nitrogen and 10 kg K ₂ O/ha. Do not drain water after fertilizer application. This application may be done before 16 th July. Since the weather is favourable for green leaf hopper infestation in Kar rice, spray fenthion 100 EC @ 500 ml / ha.
Maize	Sowing	Since rainfall is expected, ensure optimum soil moisture before continuing the sowing of irrigated maize and sunflower.
Sugarcane		De-trashing, removal of dry cane leaves and propping is advised to avoid borer infestation in early season planted cane of 150 days old.
Gourds	Sowing	Best season for sowing gourds vegetable is by July 15 th - 30th Hence sow the seeds utilizing the anticipated rainfall.
Banana		Since rainfall with heavy wind speed is expected along with rainfall, propping may be done to banana crop to prevent lodging.
Grapes		Considering the 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.
Turmeric		In Turmeric, spray each 375 g ferrous sulphate, Zinc sulphate, Borax and of Urea in 250 lit of water/ha during non rainy period to correct micronutrients deficiency due to cloudy weather.
Curry leaf		Leaf spot disease is noticed in Curry leaf due to prevailing weather and hence, spray Carbendazim @ 1g/ lit of water.
Coconut		By utilizing rainfall, apply fertilizer for coconut @ 650 gm urea, 1kg SuPo ₄ , 1kg MOP and 2kg Neem cake along with 50kg FYM. Provide inward basin in around the coconut trees to harvest rainwater in root zone. Severe infestation from slug caterpillar is noticed in coconut trees which defoliate coconut fronts. To control, either spray Dichlorvos 76 WSC at 2ml/ lit of water.
Animal		Since Wind speed of 6-20 km is expected along with rainfall, provide

		<p>adequate care to the animal sheds.</p> <p>Due to heavy wind speed sufficient quantity of good quality of water is necessary to the poultry birds. Further provide feed during morning hours to avoid food wastage and hanging of gunny bags the border of the shed is beneficial.</p> <p>Prevailing weather is conducive for mastitis disease in milch animals. Wash the udder with 1 per cent KMno₄ before and after milking.</p>
--	--	--

SMS advisory

Since rainfall with heavy wind speed is expected along with rainfall, propping may be done to banana crop to prevent lodging.

Erode

Agro Advisory

Crop	Stage	Advisory
General		<p>Moderate to heavy rainfall is expected in western zone. Heavy wind speed (20 km/hr) is expected in Coimbatore district and it would be 6 km/hr in Erode and Tirupur. Hence, provide adequate support to banana crop.</p> <p>Due to continuous rainfall, provide adequate drainage to all crops. Areas adjoining to western ghats will receive heavy rain fall, hence provide contour trench channel for draining the excess water from cultivated field and fallow land to reduce soil erosion.</p>
Rice	Transplanting	<p>Kar rice at tillering stage may be applied with 30 kg Nitrogen and 10 kg K₂O/ha. Do not drain water after fertilizer application. This application may be done before 16th July.</p> <p>Since the weather is favourable for green leaf hopper infestation in Kar rice, spray fenthion 100 EC @ 500 ml / ha.</p>
Maize	Sowing	<p>Since rainfall is expected, ensure optimum soil moisture before continuing the sowing of irrigated maize and sunflower.</p>
Sugarcane		<p>De-trashing, removal of dry cane leaves and propping is advised to avoid borer infestation in early season planted cane of 150 days old.</p>
Gourds	Sowing	<p>Best season for sowing gourds vegetable is by July 15th- 30th Hence sow the seeds utilizing the anticipated rainfall.</p>
Banana		<p>Since rainfall with heavy wind speed is expected along with rainfall, propping may be done to banana crop to prevent lodging.</p>
Turmeric		<p>In Turmeric, spray each 375 g ferrous sulphate, Zinc sulphate, Borax and of Urea in 250 lit of water/ha during non rainy period to correct micronutrients deficiency due to cloudy weather.</p>
Curry leaf		<p>Leaf spot disease is noticed in Curry leaf due to prevailing weather and hence, spray Carbendazim @ 1g/ lit of water.</p>
Coconut		<p>By utilizing rainfall, apply fertilizer for coconut @ 650 gm urea, 1kg SuPo₄, 1kg MOP and 2kg Neem cake along with 50kg FYM.</p> <p>Provide inward basin in around the coconut trees to harvest rainwater in root zone.</p> <p>Severe infestation from slug caterpillar is noticed in coconut trees which defoliate coconut fronts. To control, either spray Dichlorvos 76</p>

		WSC at 2ml/ lit of water.
Animal		<p>Since Wind speed of 6-20 km is expected along with rainfall, provide adequate care to the animal sheds.</p> <p>Due to heavy wind speed sufficient quantity of good quality of water is necessary to the poultry birds. Further provide feed during morning hours to avoid food wastage and hanging of gunny bags the border of the shed is beneficial.</p> <p>Prevailing weather is conducive for mastitis disease in milch animals. Wash the udder with 1 per cent KMnO₄ before and after milking.</p>

SMS advisory

Since rainfall with heavy wind speed is expected along with rainfall, propping may be done to banana crop to prevent lodging.

Tiruppur

Agro advisory

Crop	Stage	Advisory
General		<p>Moderate to heavy rainfall is expected in western zone.. Heavy wind speed (20 km/hr) is expected in Coimbatore district and it would be 6 km/hr in Erode and Tiruppur. Hence, provide adequate support to banana crop.</p> <p>Due to continuous rainfall, provide adequate drainage to all crops. Areas adjoining to western ghats will receive heavy rain fall, hence provide contour trench channel for draining the excess water from cultivated field and fallow land to reduce soil erosion.</p>
Maize	Sowing	Since rainfall is expected, ensure optimum soil moisture before continuing the sowing of irrigated maize and sunflower.
Sugarcane		De-trashing, removal of dry cane leaves and propping is advised to avoid borer infestation in early season planted cane of 150 days old.
Gourds	Sowing	Best season for sowing gourds vegetable is by July 15th- 30th Hence sow the seeds utilizing the anticipated rainfall.
Banana		Since rainfall with heavy wind speed is expected along with rainfall, propping may be done to banana crop to prevent lodging.
Coconut		<p>By utilizing rainfall, apply fertilizer for coconut @ 650 gm urea, 1kg SuPo₄, 1kg MOP and 2kg Neem cake along with 50kg FYM.</p> <p>Provide inward basin in around the coconut trees to harvest rainwater in root zone.</p> <p>Severe infestation from slug caterpillar is noticed in coconut trees which defoliate coconut fronts. To control, either spray Dichlorvos 76 WSC at 2ml/ lit of water.</p>
Animal		<p>Since Wind speed of 6-22 km is expected along with rainfall, provide adequate care to the animal sheds.</p> <p>Due to heavy wind speed sufficient quantity of good quality of water is necessary to the poultry birds. Further provide feed during morning hours to avoid food wastage and hanging of gunny bags the border of the shed is beneficial.</p> <p>Prevailing weather is conducive for mastitis disease in milch animals.</p>

		Wash the udder with 1 per cent KMno4 before and after milking.
--	--	--

SMS advisory

Since rainfall with heavy wind speed is expected along with rainfall, propping may be done to banana crop to prevent lodging.

Ariyalur, Karur, Nagapattinam, Perambalur, Thanjavur and Tiruvarur

Agro Advisory

Crop	Stage	Advisory
General		Farmers are advised to provide light irrigation or postpone irrigation to all crops due to low rainfall forecast.
Rice		In kuruvasi season, one hand weeding is to be given on 40th days after transplanting.
Rice		The prevailing weather condition is conducive for stem borer infection. To control this apply Chlorpyrifos 20 EC 500 ml/ acre or Profenophos 50 EC 400 ml/ acre.
Cattle	Cow	Ensure vaccination of cows and buffalos against foot and mouth disease before monsoon.

SMS advisory

In kuruvasi paddy one hand weeding is to be given on 40th days after transplanting.

Salem

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Salem:		
Bhendi/orkra/ brinjal:	Vegetative stage	To manage red spider mite spray wettable sulphur 80 wg at 40g per acre or propargite 57 ec at 400 ml per acre
Banana	5 month old	Wind speed is expected to be high in the forthcoming days. So, Banana farmers are advised to go for propping to avoid logging of crop of age more than 5 months
Jasmine	Vegetative stage	Jasmine To manage budmidge and budworm spray thiacloprid 24 sc @ 1 ml/l of water
Sugarcane	Early stage	Sugarcane Release trichogramma egg parasitoid @ cc/ac/release at 7 days interval to manage the early shoot borer in sugarcane
Black gram	Vegetative stage	blackgram Install yellow stick trap @ 10 numbers per acre to monitor the whitefly incidence. To manage this vector (white fly) of yellow mosaic disease spray 5 % Neem seed Kernel extract or thiamethoxam 25 WG – 50g/ac using hand operated sprayer.
Cotton	Vegetative	Install pheromone trap @ 5/ac with helilure or spotted

	stage	<p>bollworm lure to monitor the bollworm incidence</p> <p>In rice fallow cotton monitor the incidence of red spider mite.</p>
Green gram:	Vegetative stage	<p>Green gram:</p> <p>Spray 2 kg/acTNAU pulse wonder at peak flowering stage to overcome the micronutrient deficiency and increase the yield of crops</p>
Coconut	General	<p>In coconut, to control the Rhinoceros beetle, the topmost three leaf axils around the spindle filled with Naphthalene balls three to four balls covered with fine sand, once in 45 days. Soak castor cake at 1 kg in 5 liter of water in small mud pots and keep them in the coconut gardens to attract and kill the adults</p>
Tapioca	Vegetative stage	<p>Identify the mealy bug species in Tapioca and release the parasitoids accordingly.</p>
Cow	Adult	<p>Prevailing climate is conducive for mastitis infection in milch animals. Hence, clean the udder with 1% KMnO4 before and after milking</p>
Birds		<p>Under the supervision of the Veterinarian, go for vaccination against Ranikhet disease</p>

Namakkal

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	<p>Control of aflatoxin</p> <p>Aflatoxins are produced by fungi. Aflatoxins present in animal feeds not only affect the productivity but also impair the health of animals particularly affects the immune system, liver function, reproductive efficiency including abortions. Besides, it is carcinogenic in nature. Aflatoxin B1 is common in maize grain and groundnut cake. Aflatoxin B1 present in feed is transferred to milk as aflatoxin M1 thereby affects the human health. The aflatoxins are not destroyed by cooking / sun drying. The maximum permissible level of aflatoxin B1 in feeds is 20 ppb as per Bureau of Indian Standards.</p> <p>Prevention / control of aflatoxin</p> <p>Strict control of Aflatoxin B1 level in feed ingredients is required in order to minimize the level of Aflatoxin M1 in milk and milk products. Avoid the cultivation of groundnut continually in the same land. Postpone the harvesting of crops like maize and groundnut during rainy season. Stagnation of water in the field for longer period as well as premature harvesting of crops also disposes to aflatoxin contamination.</p> <p>The maize grain and groundnut pods should be dried as quickly as</p>

		<p>possible after harvesting and the moisture content should be less than 11 % before storage.</p> <p>Avoid storage of damaged, broken grains as well as insect damaged grains which are susceptible for fungal growth. Periodically check the moisture content if stored for longer periods.</p> <p>Store the raw materials on wooden pallets or crates and away from the walls to prevent moisture migration from the floor and walls.</p> <p>Proper drying and storage of groundnut straw and maize stover is important to prevent aflatoxin toxicity.</p>
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Paddy	Transplanting	To increase the productive tillers, as well as yield of paddy, farmers are advised to apply farmyard manure enriched with 10 kg of paddy micro nutrient mixture as basal dose per acre under kharif season.
Castor	Flowering stage	Wilt disease occurred in castor crop in some places. Hence farmers are advised to undertake root drenching of copper oxy chloride @ 2 gram / litre of water to control it.
Tomato	Vegetative stage	Due to increase in wind speed, tomato growers are advised to take up tying of one end of jute thread in 1 – 2 month old tomato seedlings and then another end of jute thread with G.I wire placed 2 feet height above the ground level to prevent dislodging of the plants.
Banana	Growing stage	Banana growers are advised to follow propping to bearing plants with the help of bamboo pole / casuarina pole to avoid falling down due to increase in wind speed.

Dharmapuri

General Advisory

Light to moderate rainfall is predicted next five days. Farmers are advised to postpone the irrigation and chemical spray. Based on the crop requirement irrigation may be provided. Farmers are requested to practice the ploughing based on the suitable soil moisture prevailing for ploughing. High Wind speed may damage crop, so farmers are advised to provide stake for banana plant to prevent the crop lodging.

Weather Advisory Bulletin for livestock, poultry and agriculture

Crop/ Ecosystem	Stage / Activities	Advisories
Tomato	Fruit stage	Pinworm in tomato incidence spray of Cyantraniliprole 10.26OD @ 1.8 ml/lit is recommended during morning (or) evening hours and Keep pheromone traps @ 16 nos./ac to attract and kill the adult moths.
Mango	Flowering Stage	Prevailing weather Mango hoppers incidence Nymphs and adults suck the sap of inflorescence, Withering. Shedding of flower buds and flowers, Presence of honey dew segregation on lower leaves and development of sooty mould. Clicking sound - movement of jassids amidst leaves. Hoppers provide shelter in the cracks and crevices of the barks on the tree Management of the incidence Avoid close planting, as the incidence very severe in overcrowded orchards. Orchards must be kept clean by ploughing and removal of weeds. Spray two rounds of acephate 75 SP@ 1g/lit or phosalone 35 EC@ 1.5 ml/lit.

Casava	Vegetative stage	Casava Red spider Mites suck the sap from leaves and cause leaf deformation, with Red spider mite Damage Symptoms a rough, thickened and shrivelled appearance. The back of the leaf may appear scorched (turn yellowish brown) and dotted with inconspicuous whitish feeding punctures. During heavy infestation stunting occurs. For control for red spider mite fenazaquin 10% EC @ 1.5 ml/lit or Fenpyroximate 5 % EC @ 1 ml/lit
Banana		Banana wilt diseases light yellow colouring of the lower leaves, most prominent around the margins. They eventually turn a bright yellow colour with dead leaf margins. Splitting of pseudostem base is a characteristic symptom. Control measures Application Pseudomonas fluorescens @ 2.5kg/ha bactericide can also be applied along with farmyard manure and neem cake. About 60 mg of Pseudomonas fluorescens (in a capsule) can be applied in a 10 cm deep hole made in the corm.Paring (pralinge removal of roots and outer skin of corm) and dipping of the suckers in clay slurry and sprinkled with Carbofuran granules at 40g/corm, Soil drenching of Carbendazim 0.1 per cent solution around the pseudostem at bimonthly intervals starting from five months after planting.
Animal husbandry		Snake bite in livestock is very common. So keep clean around the shed. Snake bite occurs apply Paste of salt, Betel vine leaves, pepper on below the toque for reducing venome.

SMS: Rain : Light to moderate Rainfall, Mango hoppers incidence Spray two rounds of acephate 75 SP@ 1g/lit or phosalone 35 EC@ 1.5 ml/lit.

Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	<p>Control of aflatoxin</p> <p>Aflatoxins are produced by fungi. Aflatoxins present in animal feeds not only affect the productivity but also impair the health of animals particularly affects the immune system, liver function, reproductive efficiency including abortions. Besides, it is carcinogenic in nature. Aflatoxin B1is common in maize grain and groundnut cake. Aflatoxin B1 present in feed is transferred to milk as aflatoxin M1 thereby affects the human health. The aflatoxins are not destroyed by cooking / sun drying. The maximum permissible level of aflatoxin B1 in feeds is 20 ppb as per Bureau of Indian Standards.</p> <p>Prevention / control of aflatoxin</p> <p>Strict control of Aflatoxin B1 level in feed ingredients is required in order to minimize the level of Aflatoxin M1 in milk and milk products. Avoid the cultivation of groundnut continually in the same land. Postpone the harvesting of crops like maize and groundnut during rainy season. Stagnation of water in the field for longer period as well as premature harvesting of crops also disposes to aflatoxin contamination.</p>

		<p>The maize grain and groundnut pods should be dried as quickly as possible after harvesting and the moisture content should be less than 11 % before storage.</p> <p>Avoid storage of damaged, broken grains as well as insect damaged grains which are susceptible for fungal growth. Periodically check the moisture content if stored for longer periods.</p> <p>Store the raw materials on wooden pallets or crates and away from the walls to prevent moisture migration from the floor and walls.</p> <p>Proper drying and storage of groundnut straw and maize stover is important to prevent aflatoxin toxicity.</p>
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Paddy	Transplanting	To increase the productive tillers, as well as yield of paddy, farmers are advised to apply farmyard manure enriched with 10 kg of paddy micro nutrient mixture as basal dose per acre under kharif season.
Castor	Flowering stage	Wilt disease occurred in castor crop in some places. Hence farmers are advised to undertake root drenching of copper oxy chloride @ 2 gram / litre of water to control it.
Tomato	Vegetative stage	Due to increase in wind speed, tomato growers are advised to take up tying of one end of jute thread in 1 – 2 month old tomato seedlings and then another end of jute thread with G.I wire placed 2 feet height above the ground level to prevent dislodging of the plants.
Banana	Growing stage	Banana growers are advised to follow propping to bearing plants with the help of bamboo pole / casuarina pole to avoid falling down due to increase in wind speed.

Karaikal

Weather based Agro-Advisories.

To manage weeds in nursery, apply Bispyriac sodium 10 % SC @ 1 ml/cent.

To manage weeds in transplanted rice, apply Pretilachlor 50 EC 600 ml/ac or Pyrazosulfuron ethyl 10 WP @ 80 g/ac on 0-3 DAT.

To manage weeds in direct wet sowing rice, apply Triafamone +(Ethoxysulfuron) 90 g/ac on 12-15 DAS.

SMS: Light rain is likely to occur during next five days. Hence, farmers may postpone irrigation.

Puducherry

Weather based Agro-Advisories.

Crop	Stage/Particulars	Agro Advisory
Sugarcane	Tillering phase	To control shoot borer in sugarcane, soil application of Cartaphydrochloride 4G 10 kg/hectare may be done.
Brinjal	Flowering stage	To manage Brinjal shoot borer, apply neem cake 200 kg/ha or spray Emamectin Benzoate 4% SG@ 0.4 g/l.
Cassava	Vegetative stage	To control Red mite in cassava, apply Pongamia oil 500 ml/ha or spray Propargite 750 ml and Sulphur 1250 g/ ha.

SMS: Light rain is likely to occur during next five days. Hence, farmers may postpone irrigation.

=====