



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

DISTRICT LEVEL

Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 053/2022

For the period 0830 IST, 05th July 2022 to
0830 IST, 10th July 2022

Issued on Tuesday, 05th 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 01.08.22 to 04.08.22 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range **28°C – 39°C** prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range **16°C – 23°C** during the period.

Minimum temperature of range **22°C - 29°C** prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range **09°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)	01.07.22 & 02.07.22 02.07.22 & 03.07.22	Tamil Nadu Puducherry
Isolated (One or Two Places)	03.07.22 & 04.07.22	Tamil Nadu
Dry	01.07.22 & 04.07.22	Puducherry

Chief Amounts of Rainfall (in cms):-

01.07.22 : Cincona (dist Coimbatore) 10, Chinnakalar (dist Coimbatore) 9, Valparai Taluk Office (dist Coimbatore) , Perambur (dist Chennai) , Goodwill school Villivakkam (dist Tiruvallur) 7 each, Valparai PTO (dist Coimbatore) , Uthukottai (dist Tiruvallur) 6 each, Naduvattam (dist Nilgiris) , Chengalpattu (dist Chengalpattu) , Pennagaram (dist Dharmapuri) , Avalanche (dist Nilgiris) , Sholayar (dist Coimbatore) 5 each, G Bazar (dist Nilgiris) , Ap Peelamedu (dist Coimbatore) , Chennai(n) (dist Chennai) , Puzhal ARG (dist Tiruvallur) , Tiruvallur (dist Tiruvallur) 4 each, Ambathur (dist Tiruvallur) , Thali (dist Krishnagiri) , Ennore Aws (dist Tiruvallur) , Pollachi (dist Coimbatore) , Taluk Office Pandalur (dist Nilgiris), Upper Bhavani (dist Nilgiris) 3 each, Sendamangalam (dist Namakkal) , Maduranthagam (dist Chengalpattu) , Glenmorgan (dist Nilgiris) , Devala (dist Nilgiris) , Kurinjipadi (dist Cuddalore) , Yercaud (dist Salem) , Vilupuram (dist Villupuram) , Thenparanadu (dist Trichy) , Rasipuram (dist Namakkal) , Walajabad (dist Kancheepuram) , Madukkur (dist Thanjavur) , Anna University (dist Chennai) , Kancheepuram (dist Kancheepuram) , Uthukuli (dist Tiruppur) , Poondi (dist Tiruvallur) , Thekkadi (dist Theni) , Ponneri (dist Tiruvallur) , Koratur (dist Tiruvallur) , Ambur (dist Tirupattur) , Karambakudi (dist Pudukkottai) 2 each, Periyar (dist Theni) , Thirupporur (dist Chengalpattu) , Vadapudupattu (dist Tirupattur) , Thiruthuraiipoondi (dist Tiruvarur) , Perundurai (dist Erode) , DGP Office (dist Chennai) , Mahabalipuram (dist Chengalpattu) , Orthanad (dist Thanjavur) , Kumarapalayam (dist Namakkal) , Mannargudi (dist Tiruvarur) , Denkanikottai (dist Krishnagiri) , Thirukalukundram (dist Chengalpattu) , Arani (dist

Tiruvannamalai) , Dindigul (dist Dindigul) , Cholavaram (dist Tiruvallur) , Puduchatram (dist Namakkal) , Red Hills (dist Tiruvallur) , Gudalur (dist Theni) , Nannilam (dist Tiruvarur) , Annavasal (dist Pudukkottai) , Thamaraiykkam (dist Tiruvallur) , Alangudi (dist Pudukkottai) , Coimbatore South (dist Coimbatore) , Tiruppur (dist Tiruppur) , Pattukottai (dist Thanjavur) , Adirampatnam (dist Thanjavur) , Pandavaiyar Head (dist Tiruvarur) 1 each.

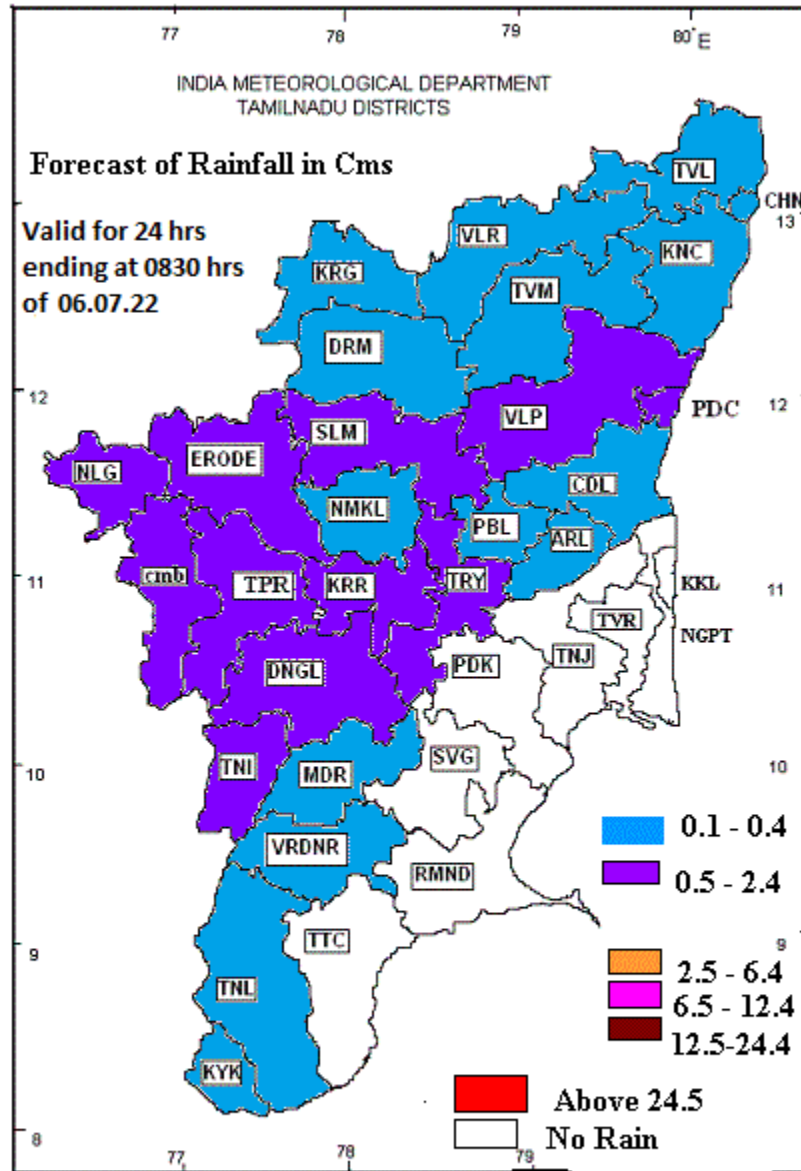
02.07.22 : Uthukottai (dist Tiruvallur), Chinnakalar (dist Coimbatore), Cuddalore (dist Cuddalore) 5 each, Tiruvallur (dist Tiruvallur) 5, Cincona (dist Coimbatore), Bhuvanagiri (dist Cuddalore), K.m.koil (dist Cuddalore), Lalpet (dist Cuddalore), Thiruvallangadu (dist Tiruvallur), Tindivanam (dist Villupuram) 4 each, Tambaram IAF (dist Chengalpattu), Poondi (dist Tiruvallur), Valparai Pto (dist Coimbatore), Arakonam (dist Ranipet), Gingee (dist Villupuram), Gummidipoondi (dist Tiruvallur), Valparai Taluk Office (dist Coimbatore), Upper Bhavani (dist Nilgiris), Naduvattam (dist Nilgiris), Marakkanam (dist Villupuram), Tirupattur (dist Tirupattur), Sholingur (dist Ranipet) 3 each, Vanur (dist Villupuram), Wallajah (dist Ranipet), Arani (dist Tiruvannamalai), Thirukalukundram (dist Chengalpattu), Sirkali (dist Mayiladuthurai), Srimushnam (dist Cuddalore), Sholayar (dist Coimbatore), Walajabad (dist Kancheepuram), Vandavasi (dist Tiruvannamalai), Thamaraiykkam (dist Tiruvallur), Chengalpattu (dist Chengalpattu), Vepur (dist Cuddalore) 2 each, Glenmorgan (dist Nilgiris), Devakottai (dist Sivaganga), Kelambakkam (dist Chengalpattu), Chidambaram (dist Cuddalore), Puducherry (dist Puducherry), Devala (dist Nilgiris), Cholavaram (dist Tiruvallur), G Bazar (dist Nilgiris), Vembakkam (dist Tiruvannamalai), Manalmedu (dist Mayiladuthurai), Thirupporur (dist Chengalpattu), Kancheepuram (dist Kancheepuram), Danishpet (dist Salem), Red Hills (dist Tiruvallur), Periyar (dist Theni), Kalavai Aws (dist Ranipet), Chidambaram Aws (dist Cuddalore), Cheyyar (dist Tiruvannamalai), Keelpennathur (dist Tiruvannamalai), Maduranthagam (dist Chengalpattu), Thammampatty (dist Salem) 1 each.

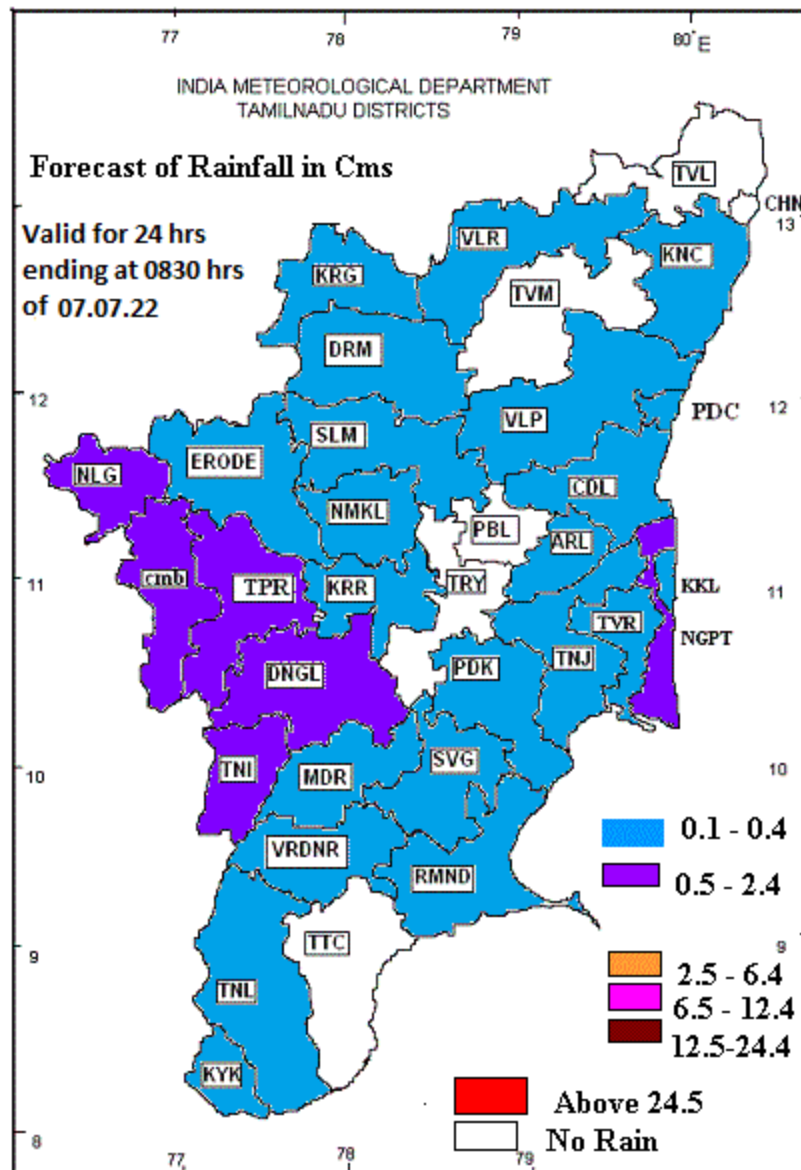
03.07.22 : Chinnakalar (dist Coimbatore) 7, Naduvattam (dist Nilgiris) 6, Valparai PTO (dist Coimbatore) 5, Cincona (dist Coimbatore), Sholayar (dist Coimbatore) 4, Valparai Taluk Office (dist Coimbatore), Mayiladuthurai (dist Mayiladuthurai), Devala (dist Nilgiris), Thekkadi (dist Theni), Avalanche (dist Nilgiris), Gudalur Bazar (dist Nilgiris), Peraiyar (dist Theni), Upper Gudalur ((dist Nilgiris) 3 each, Pandalur Taluk Offie (dist Nilgiris), Upper Bhavani (dist Nilgiris), Thathiengrpet (dist Trichy), Kollidam (dist Mayiladuthurai), Tirupuvanam (dist Sivaganga), Tindivanam (dist Villupuram), Ayinkudi (dist Pudukkottai) 2 each, Barwood (dist Nilgiris), Chidambaram (dist Cuddalore), Annur (dist Coimbatore), Srimushnam (dist Cuddalore), Nagapattinam (dist Nagapattinam), Kuzhithurai (dist Kanyakumari), Chidambaram AWS (dist Cuddalore), Uthagamandalam (dist Nilgiris), Neyveli AWS (dist Cuddalore), Echanviduthi (dist Thanjavur), Cherummulli (dist Nilgiris), Annamalai Nagar (dist Cuddalore), Madurai ISRO AWS (dist Madurai) 1 each.

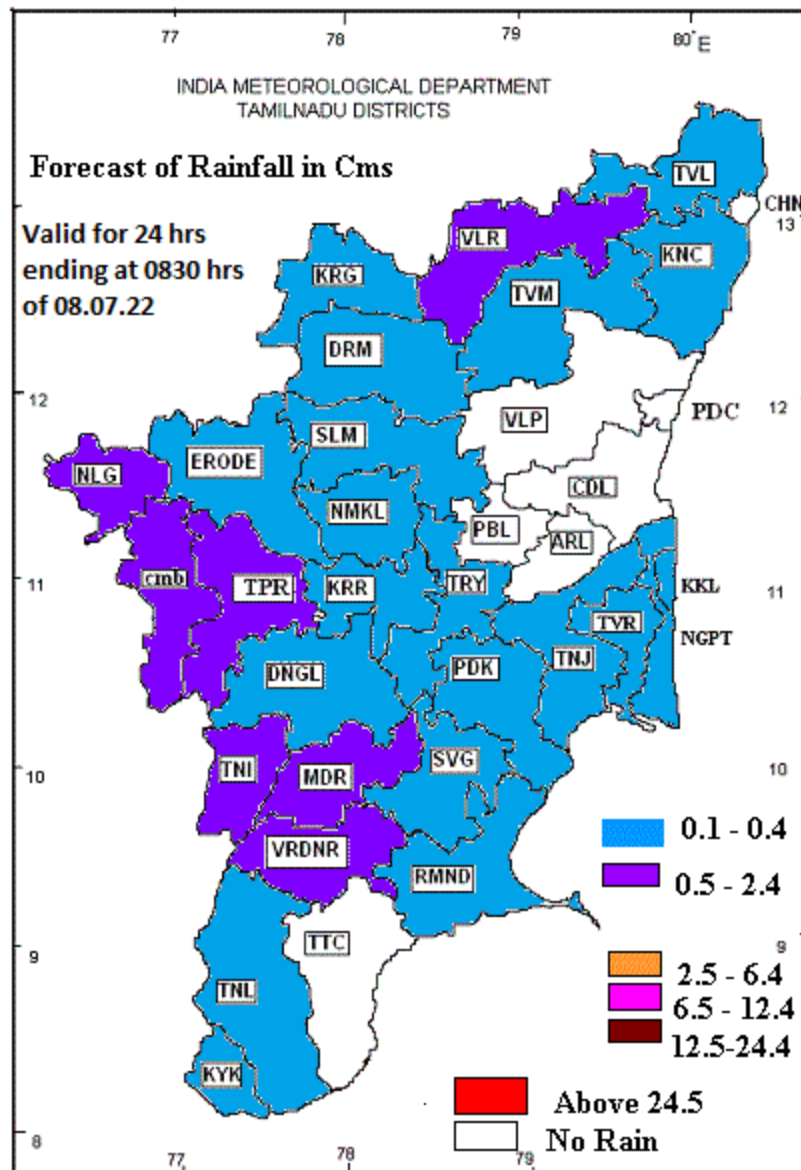
04.07.22 : Chinnakalar (dist Coimbatore) 10, Avalanche (dist Nilgiris) 9, Valparai PTO (dist Coimbatore) 7, Sholayar (dist Coimbatore), Pandalur Taluk office (dist Nilgiris) 6 each, Upper Bhavani (dist Nilgiris), Cherumulli (dist Nilgiris) , Gudalur Bazar (dist Nilgiris), Upper Gudalur (dist Nilgiris), Wood Braiyur Estate (dist Nilgiris), Valparai Taluk Office (dist Coimbatore) 5 each, Barwood ((dist Nilgiris) 4, Glenmorgan (dist Nilgiris), Devala (dist Nilgiris), Kovilankulam (dist Virudhunagar), Mimisal (dist Pudukkottai), Arupukottai KVK (dist Virudhunagar) 3 each, Sivalogam (dist Kanyakumari), Periyar (dist Theni), Thekkadi (dist Theni), Emeralad (dist Nilgiris) 2 each, Kottaram (dist Kanyakumari), Pechiparai (dist Kanyakumari), Aruppukottai (dist Virudhunagar), Kamudhi (dist Ramanathapuram), Uttamapalayam (dist Theni), Red Hills (dist Tiruvallur), Gudalur (dist Theni), Chittar (dist Kanyakumari), Perunchani Dam (dist Kanyakumari), R.S.mangalam (dist Ramanathapuram), Suralacode (dist Kanyakumari), Taramani

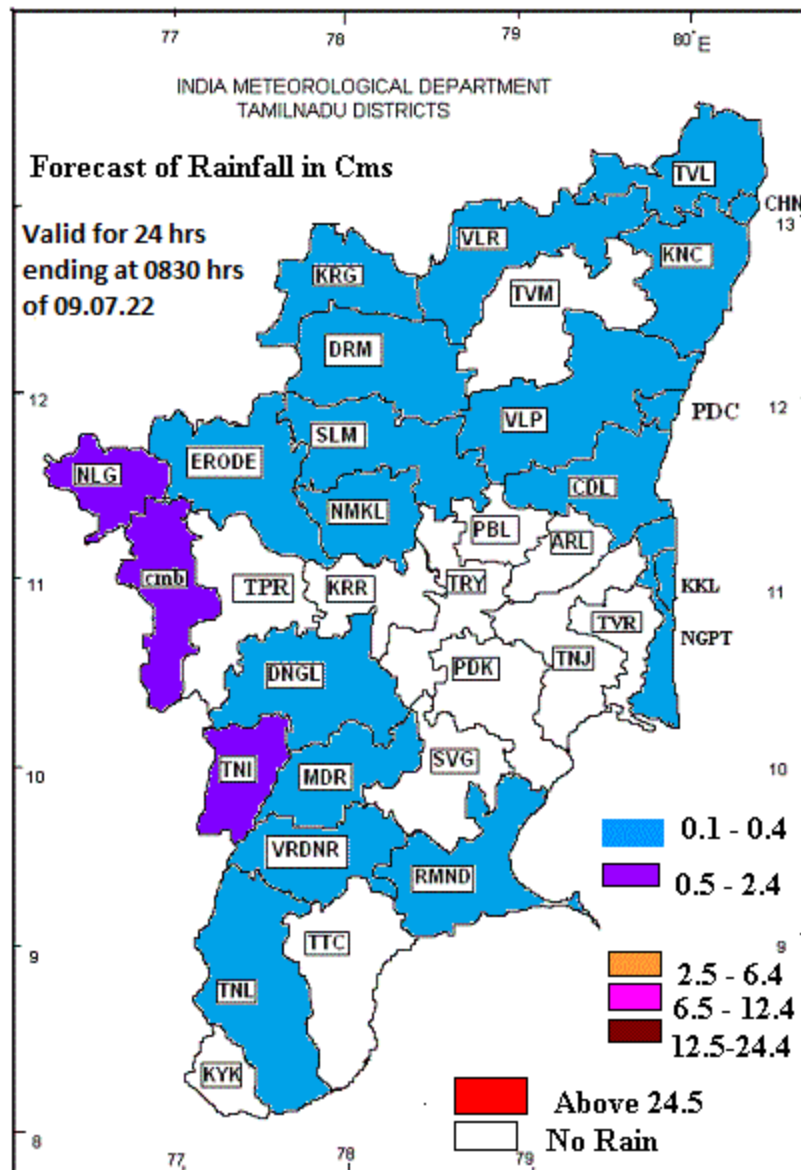
ARG (dist Chennai), Cholavaram (dist Tiruvallur), Kundha Bridge (dist Nilgiris), Kanyakumari (dist Kanyakumari), Alandur (dist Chennai), Chennai Airport (dist Chennai) 1 each.

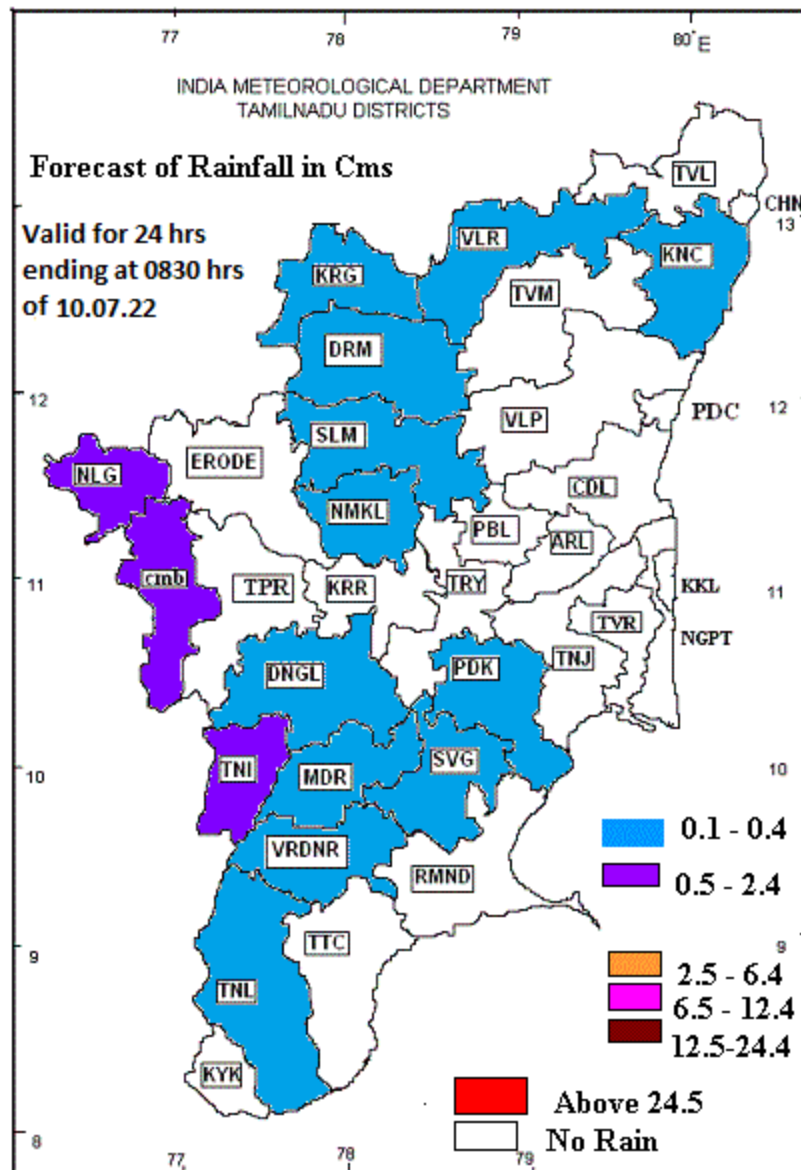
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 05.07.22
VALID FOR THE NEXT 5 DAYS**











District-wise Agromet Advisories

Chennai

SMS Advisory:

(06.07.2022-08.07.2022): Thunderstorm with lightning is likely to occur at isolated places over 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.

dryfodder and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin. 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.

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

From the extended range forecast of IMD, below normal rainfall, Normal maximum temperature and minimum temperature is expected for the period of 10.07.2022 to 16.07.2022 over Tamil Nadu and Pondicherry region. Since light rainfall is expected, Farmers are advised to postpone the irrigation activity in the upcoming five days. There are possibilities of light rainfall in Kancheepuram and Chengalpattu for the upcoming five days.

Crop(Varieties)	Crop Specific Advisory
RICE	The forecasted weather may cause leaf folder infestation in rice crop. The farmers are advised to monitor the field, if symptoms are observed it's advised to spray Chlorantraniliprole 18.5% 150 ml/ha.
GROUNDNUT	There are possibilities of early leaf spot infestation in ground nut crop. For management farmers are advised to apply Chlorothalonil @ 400 g/acre.
Horticulture(Varieties)	Horticulture Specific Advisory
CHILLI	There is possibilities thrips infestation in chilli crop. For management farmers are advised spray Emamectin benzoate 5 % SG @ 4 g/10 lit.
BRINJAL	There are possibilities of damping off infestation in brinjal nursery. For management farmers are advised to apply Pseudomonas fluorescens as a soil application @ 2.5 kg/ha mixed with 50 kg of FYM.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Farmers are advised to provide 30-50 gram of mineral mixture per animal to improve the production in dairy animals. Deworm and detick the dairy animals to avoid parasitic

	infection.
GOAT	Deworm and detick sheep and goats to avoid endo-parasitic infestation. Farmers are advised to provide salt lick to sheep and goat at their sheds to avoid dehydration loss and improve production 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	Fish farmers are advised to sundry the fish pond after the harvest, for better pond stabilization. Fishing net and other fish farm based materials are to washed/cleaned further sun drying to avoid contamination. Fish/ prawn pond feeding may be followed on demand based to avoid feed wastage.
COMMON FISH	During this season, dry fish preparing fisherflok are advised that 3 kg of fishes may be used for spreading in one square meter area for efficient drying. Farmers are advised to avoid phosphate type inorganic manures/ utilize less amount to overcome excess bloom/plankton density in the fish pond. Farmers are advised to maintain the water level of 4 feet to avoid temperature impact of fishes.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Farmers are advised to provide concentrate feed in dividend dose to avoid feed wastage and improve the body weight in birds.

Villupuram

SMS Advisory:

(06.07.2022-08.07.2022): Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu,

Livestock Advisory:

1. The farmers should avoid allowing the animals to graze in hot parts of the day.
2. Sheep and goat should be dewormed by using suitable anthelminthic by consulting with local veterinary doctor.
3. dryfodder and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin. 4. The increased humidity in pig sty may occasionally increase the ammonia concentration to prevent this, the sty must be facilitated with good ventilation.
5. 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.
6. The farmers rearing poultry in backyard system must prevent the birds from drinking, the stagnant water to prevent parasitic infestation.
7. 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:

Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 25% WG 100 g/ha or dimethoate 1.5ml/l.2. Alage in paddyfield reduces the growth of crops. To control apply, 2.0 kg of copper sulphate mix with sand.3. Due to prevailing weather condition

leaf folder and stem borer infestation is found in paddy crop. To manage them, spray chlorantraniliprole 18.5% 150 ml/ha or flubendiamide 39.35 SC 50 g/ha during morning or evening hours.

Sugarcane:

Mealy bug and pokkah boeng infection identified in sugarcane crop. Mealy bug affects growth of plants and pokkah boeng causes death of young spindles of sugarcane crop. To control spray imidacloprid 17.8 SL 0.6 ml/l or carbendazim 1.0 g/l. 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:

To reduce the root rot infection in groundnut treat the seeds with carbendazim or thiram @2.0 g/kg of seed 24 hours before sowing (or) Trichoderma viride @ 4.0 g/kg of seed and Pseudomonas fluorescens @ 10 g/kg seed.

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:

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

Tiruvannamalai

SMS Advisory:

(06.07.2022-08.07.2022): Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu,

Livestock Advisory:

1. The farmers should avoid allowing the animals to graze in hot parts of the day.
2. Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
3. Dry fodder and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin
4. The increased humidity in pig sty may occasionally increase the ammonia concentration to prevent this, the sty must be facilitated with good ventilation.
5. 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.
6. The farmers rearing poultry in backyard system must prevent the birds from drinking, the stagnant water to prevent parasitic infestation.
7. 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:

Utilizing the past week and expected rainfall, green manure sowing may be taken up in ploughed land. In the paddy planting field to apply Butachlor for weed control 2.5 litre+25 Kg sand per hectare on the third day.

Groundnut:

Apply 25: 50:75 kg/ha of NPK fertilizers as the blanket recommendation. N and K in three splits viz., 50 % N & K as basal + 25 % N and K at 20 DAS + 25 % N and K at 45 DAS is recommended. Apply sulphur sludge 60 kg/ha.

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

Tomato:

This is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.

Banana:

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

Tiruvallur

From extended range forecast Below normal rainfall, Normal minimum temperature and maximum temperature expected for the period of 10.07.2022 to 16.07.2022 over Tamil Nadu. 1.Farmers are advised provide proper drainage to crops and irrigate the crop based on the soil moisture; 2.Farmers are advised download meghdoot app from android play store.

Crop(Varieties)	Crop Specific Advisory
RICE	RICE- Nutrient Management- 1. Split application of N (Urea) & K (MOP) @ 25 & 10 kg per acre at Active tiller stages; 2. Azolla Application @ 100 kg per acre as co cultivation; 3.Stem bore- Spray Azadirachtin 0.03% 400 ml (Or) Flubendiamide 20% WG 50g per acre in 200 litres of water; 4.Leaf folder- Spray Acephate 75 % SP 400 ml (Or) Spray Azadirachtin 0.03% 400ml per acre in 200 litres of water.
SUGARCANE	Sugarcane- Inter nodes borer- Release egg parasitoid, Trichogramma chilonis at the rate of @ 2.5 cc / release / acre. Six release at fortnightly 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.
JASMINE	Jasmine- Blossom midge- Spray Chlorantraniliprole 18.5 SC @ 0.5 ml/lit (or) Spray Novaluron 10 EC 3ml/lit.
Horticulture(Varieties)	Horticulture Specific Advisory
CHILLI	Chilli- Thrips- Spray imidacloprid 17.8% SL 3 ml/ 10 litre of water (OR) Spray fipronil 5% SC 1.5 ml/ 1 liter of water.
BRINJAL	Brinjal-1. Whitefly- Spray Neem oil 3% (or) Spray Thiamethoxam 25 % WG 4.0 g/10 l and Monitor the whitefly with yellow sticky trap @ 5-6 / acre; 2.
GUAVA	Guava- Mealy bug- Spray Triozophos 2 ml+ neem oil 5 ml/1litre of water; Release Cryptolaemus montrouzieri beetles @ 10/tree.
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.
BITTER GOURD	Bitter Gourd- Fruit fly- Mix methyl eugenol + malathion 50 EC at 1:1 ratio and keep 10 ml of the bait in Polythene bags@ 10 / acre.
Others (Soil /	Others (Soil / Land Preparation) Specific Advisory

Land Preparation)(Varieties)	
SALINITY	Irrigated water to be should be tested at this season.

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 10.07.2022 to 16.07.2022. 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 to moderate rainfall may be expected on forthcoming days. Hence, farmers are advised to provide adequate drainage for crops.

Crop(Varieties)	Crop Specific Advisory
RICE	Utilizing the past week and expected rainfall, green manure sowing may be taken up in ploughed land. In the paddy planting field to apply Butachlor for weed control 2.5 litre+25 Kg sand per hectare on the third day. Prevailing weather condition is favorable for leaf folder incidence in rice. Hence farmers are requested to monitor the field and spray azadirachtin 0.03% 100ml/ha.
GROUNDNUT	Apply 25: 50:75 kg/ha of NPK fertilizers as the blanket recommendation. N and K in three splits viz., 50 % N & K as basal + 25 % N and K at 20 DAS + 25 % N and K at 45 DAS is recommended. Apply sulphur sludge 60 kg/ha. During rainy season iron deficiency may be seen in groundnut. So, apply Feso4 1% @ 10ml /litre.
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.
TOMATO	This is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Do not keep the animals under the tree during raining time. Give deworming medicine liquid oxychloxanide @10 mg/1kg body weight dry animals,heifers and calves. Vaccinate livestock with FMD vaccine.
GOAT	Give deworming liquid oxychloxanide @ 15 mg /1kg body weight.
Poultry(Varieties)	Poultry Specific Advisory

CHICKEN	To protect the desi birds from coccidiosis during rainy season in deep litter system of rearing, litter should be kept dry and hygienic. Beside, poultry sheds must be cleaned periodically and sprayed with disinfectants.
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Cuddalore

From extended range forecast below normal rainfall, normal minimum temperature and maximum temperature expected for the period of 10.07.2022 to 16.07.2022 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	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.
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.

Coimbatore

Agro Advisory

Crop	Stage	Advisory
General		Light to moderate rainfall is expected in western zone. The wind speed would be heavy in Coimbatore district 16 – 18 km/hr compared to Erode and Tiruppur 6 - 8 kmph. Hence, provide adequate support to banana crops. Irrigation may be postponed based on soil moisture.

Rice	Transplanting	Considering the anticipated rainfall, kar season paddy transplanting may be completed before 10 th July to avoid coincidence of maturity and North East Monsoon.
Maize	Sowing	By utilizing the rainfall, continue the sowing of irrigated maize and sunflower.
Pulses	Sowing	In recently sown green and black gram, gap filling may be done to ensure 33 plants/ m ² .
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.
Banana		Since rainfall with heavy wind speed is expected along with rainfall, propping may be done to banana crop to prevent lodging.
Turmeric		Occurrence of leaf spot incidence in turmeric crop may be monitored because of heavy wind, high relative humidity and cloudiness. In Turmeric, spray each 375 g ferrous sulphate, Zinc sulphate, Borax and of Urea in 250 lit of water/ha to correct micronutrients deficiency.
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. Root feeding of TNAU coconut tonic 200ml/ tree is advised for arresting button shedding in coconut. By utilizing expected rainfall green manure inter cropping may be taken up in coconut gardens to improve soil fertility
Animal		Since Wind speed of 10 - 14 km is expected along with rainfall, provide adequate care to the animal sheds. 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. Prevailing weather is conducive for mastitis disease in milch animals. Wash the udder with 1 per cent KMnO ₄ 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.

Erode

Agro Advisory

Crop	Stage	Advisory
General		Light to moderate rainfall is expected in western zone. The wind speed would be heavy in Coimbatore district 16 – 18 km/hr compared to Erode and Tiruppur 6 - 8 kmph. Hence, provide adequate support to banana crops. Irrigation may be postponed based on soil moisture.
Rice	Transplanting	Considering the anticipated rainfall, kar season paddy transplanting may be completed before 10 th July to avoid coincidence of maturity

		and North East Monsoon.
Maize	Sowing	By utilizing the rainfall, continue the sowing of irrigated maize and sunflower.
Pulses	Sowing	In recently sown green and black gram, gap filling may be done to ensure 33 plants/ m ² .
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.
Banana		Since rainfall with heavy wind speed is expected along with rainfall, propping may be done to banana crop to prevent lodging.
Turmeric		Occurrence of leaf spot incidence in turmeric crop may be monitored because of heavy wind, high relative humidity and cloudiness. In Turmeric, spray each 375 g ferrous sulphate, Zinc sulphate, Borax and of Urea in 250 lit of water/ha to correct micronutrients deficiency.
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. Root feeding of TNAU coconut tonic 200ml/ tree is advised for arresting button shedding in coconut. By utilizing expected rainfall green manure inter cropping may be taken up in coconut gardens to improve soil fertility
Animal		Since Wind speed of 10 - 14 km is expected along with rainfall, provide adequate care to the animal sheds. 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. Prevailing weather is conducive for mastitis disease in milch animals. Wash the udder with 1 per cent KMnO ₄ 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.

Tiruppur

Agro advisory

Crop	Stage	Advisory
General		Light to moderate rainfall is expected in western zone. The wind speed would be heavy in Coimbatore district 16 – 18 km/hr compared to Erode and Tiruppur 6 - 8 kmph. Hence, provide adequate support to banana crops. Irrigation may be postponed based on soil moisture.
Maize	Sowing	By utilizing the rainfall, continue the sowing of irrigated maize and sunflower.
Pulses	Sowing	In recently sown green and black gram, gap filling may be done to

		ensure 33 plants/ m2.
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.
Banana		Since rainfall with heavy wind speed is expected along with rainfall, propping may be done to banana crop to prevent lodging.
Coconut		By utilizing rainfall, apply fertilizer for coconut @ 650 gm urea, 1kg SuPo4, 1kg MOP and 2kg Neem cake along with 50kg FYM. Provide inward basin in around the coconut trees to harvest rainwater in root zone. Root feeding of TNAU coconut tonic 200ml/ tree is advised for arresting button shedding in coconut. By utilizing expected rainfall green manure inter cropping may be taken up in coconut gardens to improve soil fertility
Animal		Since Wind speed of 10 - 14 km is expected along with rainfall, provide adequate care to the animal sheds. 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. Prevailing weather is conducive for mastitis disease in milch animals. 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.

Nilgiris

While preparing the filed for cultivation, apply 12 tonnes of well decomposed Farm Yard Manure per acre. Since continuous rainfall is expected, to control Head rot disease in Cabbage & Cauliflower, spray Copper Oxy Chloride @ 2g/l of water.

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Chow chow can be planted in 45cm pits, 6 ft x 8 ft spacing. Plant 3 sprouted fruits perpit after filling with 10 kg compost, 250 g urea, 500 g super phosphate and 500 g potash.

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 in the Cauvery delta zone.

Rice		In kuruvai paddy, apply butachlor at 1.0 lit/ac or anilophos 500 ml/ac mixed with 20 kg sand and broadcast uniformly by keeping thin film of water on 3-5 DAT. Don't drain the water from weedicide applied field.
Rice		In kuruvai paddy one hand weeding is to be given on 20 to 25 days after transplanting.
Cattle	Cow	Farmers are advised to provide sufficient mineral mixture to nourish the cattle health.

SMS advisory

In kuruvai paddy one hand weeding is to be given on 20 to 25 days after transplanting.

Dindigul

Extended range Forecast for next week (8th – 14th July 2022): Rainfall: As per extended range predictions, there is possibility of slightly below normal rainfall likely during the subsequent week 8 to 14 July 2022.

Maximum Temperature: Maximum temperatures is likely to be generally near normal and are likely to be in the range 28°C to 34°C over the plains of the district during next week. 8 to 14 July 2022. Minimum Temperature: Minimum temperatures are likely to be generally near normal and are likely to be in the range 20°C to 24°C over the district during next week 8 to 14 July 2022. THUNDERSTORM WARNING: Thunderstorms with lightning are likely to occur at one or two places over Tamilnadu during 6 to 8 July 2022. Farmers are advised to take precautionary measures while grazing/herding the sheep, goat, cow on agriculture land for manuring purpose. Do not allow the animals to graze outside, standing near the trees or electric poles. Provide safe shelter for your livestock. Chances of light rain during the next five days. Max temp-34°C-36°C & Min temp -23°C-25°C. Generally cloudy sky for next 5 days. Wind speed 7-8 kmph from SW direction.

Horticulture(Varieties)	Horticulture Specific Advisory
BLACK PEPPER	Due to the prevailing weather condition, the incense of Mussel scale insects is expected in Pepper vine. The scale insects infect the plant by sucking the leaf tip and infected parts become yellowish and later dry up. Remove and destroy the infected plant parts. To control, in nurseries spraying neem oil 0.3% or Neemgold 0.3% or fish oil rosin 3.0% is also effective in controlling the pest infestation. Two sprays of Azadiractin 5000 ppm at 15 days intervals after the incidence of scale insect.
COCONUT	Due to the prevailing weather condition, the occurrence of Leaf roller is expected in Coconut. The symptoms of damage are initially larvae feed on under the surface of leaves and often fold two sides of leaflets by a silken thread and feed inside. Usually, they are found in the silken web. Severe infestation leads to the skeletonization of fronds. To manage, basal application of Neem cake @ 2½kg + Pseudomonas @ 100gm per tree and root-feeding with Profenophos @ 20ml with 100ml of water per tree is recommended.
Live Stock(Varieties)	Live Stock Specific Advisory

COW	Due to the prevailing weather condition, the Hoof disorder disease may spread widely in cattle. Although it affects all livestock, adult cows are affected more. Bacteria enter any ulcers in the foot through damp dung and mud. Hence, the hoofs should be periodically curtailed. Suddenly the foot is crippled and usually, one leg is affected. If the symptoms are found in your cattle, immediately contact the nearby veterinary clinic for further treatment.
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Heavy Rainfall Warning: Heavy rain is likely to occur at isolated places over the district on 6 to 8 July 2022. Farmers are advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rain water. During these days farmers are advised to avoid irrigation, intercultural operations and application of plant protection measures to the standing crops, provide adequate drainage facilities in the fields to avoid water stagnation due to heavy rainfall, do not allow the animals to grazing outside, standing near the trees or electric poles & provide safe shelter

Madurai

Extended range Forecast for next week (8th – 14th July 2022): Rainfall: As per extended range predictions, there is possibility of slightly below normal rainfall likely during the subsequent week 8 to 14 July 2022.

Maximum Temperature: Maximum temperatures is likely to be generally near normal and are likely to be in the range 28°C to 34°C over the plains of the district during next week. 8 to 14 July 2022. Minimum Temperature: Minimum temperatures are likely to be generally near normal and are likely to be in the range 20°C to 24°C over the district during next week 8 to 14 July 2022. THUNDERSTORM WARNING: Thunderstorms with lightning are likely to occur at one or two places over Tamilnadu during 6 to 8 July 2022. Farmers are advised to take precautionary measures while grazing/herding the sheep, goat, cow on agriculture land for manuring purpose. Do not allow the animals to graze outside, standing near the trees or electric poles. Provide safe shelter for your livestock. Chances of light rain during the next five days. Max temp-36°C-37°C & Min temp -25°C-26°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from SW & W directions.

Crop(Varieties)	Crop Specific Advisory
RICE	Due to the prevailing weather condition, the incense of Bacterial leaf blight is seen in Paddy. In paddy, water-soaked to yellowish stripes on leaf blades or starting at leaf tips, later increases in length and width with a wavy margin, lesions seedling wilt, as the disease advances, it turns yellow to white. Bacteria intrude into the plant through the damaged roots and attack the plant. To control, spray Neem oil @ 30ml + Pungam oil @ 30ml + Pseudomonas @ 40gm + Sticky agent @ 10ml per 10 litres of water.
OKRA/ LADYFINGER	Due to the prevailing weather condition, the incidence of Semi-looper is broadly found in Bhendi. The Semilooper caterpillar fed on the leaves and Defoliates them. To control this, spray Phosalone 35 EC @ 2ml/lit.

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Due to the prevailing weather condition, the Hoof disorder disease may spread widely in cattle. Although it affects all livestock, adult cows are affected more. Bacteria enter any ulcers in the foot through damp dung and mud. Hence, the hoofs should be periodically curtailed. Suddenly the foot is crippled and usually, one leg is affected. If the symptoms are found in your cattle, immediately contact the nearby veterinary clinic for further treatment.

Pudukottai

Since rain is anticipated, provide drainage for the transplanted short duration Kar rice. If transplanting not done earlier, Fasten the rice transplanting to prevent uprooting by rain. Apply of 200 kg gypsum, 32.6 kg urea, 125 kg super phosphate and 8.3 kg MOP per acre as basal during main field preparation.

Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Coconut can be fertilized in areas that have received rain so far. Areas that have not yet received rain can be prepared for composting using the expected rainfall. By utilizing the anticipated rainfall, the fertilizer application for the coconut may be completed immediately. Apply fertilizer for the coconut trees of more than 5 years @ 650 g urea, 1 kg super phosphate, 1 kg potash per tree.
BANANA	Farmers who are cultivating banana should remove the root and rotten parts of the banana seedlings during the planting season and soak them in soil solution and then spray 40 gm Carbofuran 3G granule on it.
Poultry(Varieties)	Poultry Specific Advisory
BIRD	As the wind speed will be high, the poultry farmers having raised platform sheds should be careful in avoiding feed wastage. High wind speed is expected during next two ensuing months. Addition of vegetable oil in small quantities and using of side hangings will prevent wastage of feed particularly loss of valuable supplements like vitamins.
BIRD	The farmers rearing poultry in backyard system must prevent the birds from drinking, the stagnant water to prevent parasitic infestation. The bushes and shrubs around diary shed must be cleaned, to ensure good ventilation as well to prevent vermin deposition.

Ramanathapuram

Due to prevailing weather condition, cattle are affected with tiredness, so that the cattle growers are advised to feed their calf with 30gms of mineral mixture per day. Also, deworm your calf in regular schedule with the support of nearby veterinarian. From extended range forecast, Below Normal rainfall, Normal maximum temperature and minimum temperature expected for the period of July 10 to July 16 over Tamil Nadu.

Crop(Varieties)	Crop Specific Advisory
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COTTON	Due to the prevailing weather condition incidence of mealy bug is expected in cotton. The damage symptoms are heavy clustering of mealy bugs usually seen under surface of leaves as a thick mat with waxy secretion and excrete copious amount of honey dew on which the fungus sooty mould grow. Affected plants appear sick and black, resulting reduced fruiting capacity. If symptoms are observed in cotton field apply neem oil 2% or fish oil rosin soap 25g/liter of water or Profenophos 800ml/ac.
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	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.

Sivagangai

Extended range Forecast for next week (8th – 14th July 2022): Rainfall: As per extended range predictions, there is possibility of slightly below normal rainfall likely during the subsequent week 8 to 14 July 2022.

Maximum Temperature: Maximum temperatures is likely to be generally near normal and are likely to be in the range 28°C to 34°C over the plains of the district during next week. 8 to 14 July 2022. Minimum Temperature: Minimum temperatures are likely to be generally near normal and are likely to be in the range 20°C to 24°C over the district during next week 8 to 14 July 2022. THUNDERSTORM WARNING: Thunderstorms with lightning are likely to occur at one or two places over Tamilnadu during 6 to 8 July 2022. Farmers are advised to take precautionary measures while grazing/herding the sheep, goat, cow on agriculture land for manuring purpose. Do not allow the animals to graze outside, standing near the trees or electric poles. Provide safe shelter for your livestock. Chances of light rain during 7, 8 & 10 Jul. Max temp-36°C-37°C & Min temp -27°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from SW & W directions.

Crop(Varieties)	Crop Specific Advisory
RICE	Due to the prevailing weather, the incident of Whorl maggot is expected in paddy. The symptoms show yellowish-white longitudinal marginal blotching with a hole. Leaves shrivelled plant, stunted and drooping of young leaves near the tip. Remove the alternate hosts from the field, and apply the optimum recommendation of potash fertilizer. To control spray Buprofezin @ 350 ml / acre.
BANANA	Due to the prevailing weather conditions, root-lesion nematodes and root knot nematodes are expected in Banana. The nematodes-infested banana tree shows stunting and yellowing of leaves, blackish or reddish lesions on the roots. Farmers are advised to apply FYM @10kg with neem cake 250 gm per tree and intercrop with marigold or sunhemp and in situ ploughing at the time of flowering. Apply liquid formulation of Pseudomonas fluorescence @ 2lit per ha. during 2, 4 and 6 months after planting through drip irrigation.
Live Stock(Varieties)	Live Stock Specific Advisory

COW	Due to the prevailing weather condition, the Hoof disorder disease may spread widely in cattle. Although it affects all livestock, adult cows are affected more. Bacteria enter any ulcers in the foot through damp dung and mud. Hence, the hoofs should be periodically curtailed. Suddenly the foot is crippled and usually, one leg is affected. If the symptoms are found in your cattle, immediately contact the nearby veterinary clinic for further treatment.
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Extended range Forecast for next week (8th – 14th July 2022): Rainfall: As per extended range predictions, there is possibility of slightly below normal rainfall likely during the subsequent week 8 to 14 July 2022.

Maximum Temperature: Maximum temperatures is likely to be generally near normal and are likely to be in the range 28°C to 34°C over the plains of the district during next week. 8 to 14 July 2022. Minimum Temperature: Minimum temperatures are likely to be generally near normal and are likely to be in the range 20°C to 24°C over the district during next week 8 to 14 July 2022. THUNDERSTORM WARNING: Thunderstorms with lightning are likely to occur at one or two places over Tamilnadu during 6 to 8 July 2022. Farmers are advised to take precautionary measures while grazing/herding the sheep, goat, cow on agriculture land for manuring purpose. Do not allow the animals to graze outside, standing near the trees or electric poles. Provide safe shelter for your livestock. Chances of light rain during the next five days. Max temp-33°C-34°C & Min temp -22°C-23°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from W direction.

Horticulture(Varieties)	Horticulture Specific Advisory
ONION	Due to the prevailing weather condition, the incense of Botrytis leaf blight is noticed in Onion. The symptoms are seen on the foliage with hundreds of white specks. The disease then spreads very rapidly and tops of the entire crop may be killed. Light infections do not affect yields but heavy infections cause major yield reductions. To control spray Propineb70%WP @ 15gm + 10ml sticky agent with 10litres of water.
BANANA	Due to the prevailing weather condition, the incense of Mosaic virus is expected in Banana. The symptoms are found in foliage with chlorotic mottling or stripes, distorted leaves and distorted fruit with chlorotic streaks. To control spray Neem oil @ 40ml + Trichoderma viride @ 40gm + sticky agent @ 10ml with 10liters of water.
COW	Due to the prevailing weather condition, the Hoof disorder disease may spread widely in cattle. Although it affects all livestock, adult cows are affected more. Bacteria enter any ulcers in the foot through damp dung and mud. Hence, the hoofs should be periodically curtailed. Suddenly the foot is crippled and usually, one leg is affected. If the symptoms are found in your cattle, immediately contact the nearby veterinary clinic for further treatment.
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory

GENERAL ADVICE	Heavy Rainfall Warning: Heavy rain is likely to occur at isolated places over the district on 6 to 8 July 2022. Farmers are advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rain water. During these days farmers are advised to avoid irrigation, intercultural operations and application of plant protection measures to the standing crops, provide adequate drainage facilities in the fields to avoid water stagnation due to heavy rainfall, do not allow the animals to grazing outside, standing near the trees or electric poles & provide safe shelter.
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Kanyakumari

AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
	There are possibilities of rainfall on 06.07.22, 07.07.22 and 08.07.22. Maximum temperature will be around 33 - 34°C and minimum temperature will be around 23 - 24°C. Cloudy condition may prevail. The relative humidity will be 60 to 80 %. Wind speed may be 7 - 9 km / hr in West direction.		
1.	Agricultural and horticultural crops	Planting Stage	Preparatory cultivation can be started for planting of paddy and horticultural crops such as vegetables, rubber, coconut etc
2.	Pepper	Maturity stages	The spike shedding can be reduced by foliar spray of Diammonium Phosphate 1.0% four times viz., before flower initiation (May), during new leaves and flower emergence (June), before spike initiation (July) and pinhead stage of berries (August).
3.	Fruit trees and Tree spices	All stages	Strengthening the basins may be taken up for better harvesting of rains.
4.	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.
5.	Clove and Cinnamon	All stages	Avoid moisture loss by the application of mulching in clove and cinnamon field through farm waste materials.

SMS Advisory

Basins can be formed for coconut, fruit trees and trees spices for better harvesting of rain water.

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
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 stage	Install pheromone trap @ 5/ac with helilure or spotted bollworm lure to monitor the bollworm incidence
		In rice fallow cotton monitor the incidence of red spider mite.
Green gram:	Vegetative stage	Green gram: Spray 2 kg/acTNAU pulse wonder at peak flowering stage to overcome the micronutrient deficiency and increase the yield of crops
Coconut	General	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
Tapioca	Vegetative stage	Identify the mealy bug species in Tapioca and release the parasitoids accordingly.
Cow	Adult	Prevailing climate is conducive for mastitis infection in milch animals. Hence, clean the udder with 1% KMnO4 before and after milking

Namakkal

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	Due to the recent monsoon rains, different types of grasses are growing in the pasture. Feeding of different variety of these grasses by livestock causes changes in rumen microflora and makes them susceptible for bloat, indigestion and other digestive disorders. Affected animals will be off feed, tired and have a bloated stomach. Affected ruminants can be easily cured by adopting proper feeding management strategies. In severe cases the farmers are advised to consult the veterinarian immediately for proper treatment. Alternatively farmers take 10 grams of pepper and cumin each and

		soak them in water for 30 minutes and add 100 grams of onion, 10 cloves of garlic, 2 dry chillies, 10 grams of turmeric powder, 100 grams of jaggery, 10 betel leaves and 100 grams of ginger. Grind all these ingredients into paste and roll them into small balls. Add sufficient amount of salt with these balls and feed them to the affected animals 3 or 4 times a day for three consecutive days to relieve bloat, indigestion and other digestive disorders.
Poultry	General	Periodic rains can contaminate the water in bore wells and increase the load of disease-causing microorganisms in the drinking water. Hence, poultry farmers are advised to periodically test the drinking water of poultry from bore well and surface wells and treat it with chemicals such as hydrogen peroxide and chlorine according to the microbial load. During the prevailing climatic conditions, poultry farmers are advised to make changes in feed as advised by veterinarians to protect them from disease caused by mycotoxins, bacteria and viruses.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Green gram	Vegetative stage	Farmers are advised to spray imidacloprid @ 0.5 ml / litre of water to control yellow vein mosaic virus disease in greengram crop.
Tomato	Planting period	Tomato growers are requested to enrich 4 kg borax, 20 kg zinc sulphate and 1.5 kg copper sulphate in 250 kg well decomposed farm yard manure per acre with friable moisture content and keep it for one month and then apply basal dose before transplanting of tomato. Also, 15 days later apply 1 kg Azospirillum + 1 kg phosphobacteria along with 10 kg soil + 10 kg decomposed farmyard manure as basal dose per acre.
Brinjal	Vegetative stage	Due to change in climate spotted beetle incidence was reported in Brinjal. To control this Collect damaged leaves with grubs, yellow colour horns and egg masses and destroy them. Shake plants to dislodge grubs, pupae and adults and destroy them. Foliar spray of neem seed kernel extract 5 % (or) Foliar spray of Flubendiamide @ 7.5 gram / litre starting from one month after planting at 15 days interval.
Banana	Growing period	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

Very light to light rainfalls predicted next five days. Based on the local weather and crop requirement irrigation may be provided. Farmers are requested to practice the ploughing based on the suitable soil moisture prevailing for ploughing. Wind speed is predicted to be high farmers are advised to go for plant protection such as Pinching and Earthing up may be followed.

Crop/ Ecosystem	Stage / Activities	Advisories
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Tuberose	Flowering stage	In tuberose mealy bugspraying of Thiamethoxam 0.5 gram /litre of water +0.5 ml sticking agent.
Bhendi	Fruit stage	Fruit borer in Bhendi incidence Spraying of Bacillus thuringiensis @ 400 g/ac or emamectin benzoate 5 % SG @ 60 g/ ac or quinalphos 25 EC @ 160 ml/ac is recommended for effective management of fruit borer.
Bhendi	Vegetative stage	Yellow Vein Mosaic management in bhendi, immediately after noticing the incidence spray azadirachtin 0.03 WSP @ 5 g/10 lit. or methyl demeton 25 EC @ 1.6 ml/ lit or thiamethoxam 25 WG @ 2 g/lit to kill the insect vector, whitefly and repeat 15 days later.
Tomato	Fruit stage	Fruit borer in tomato incidence spray of Azadirachtin 1% EC (10000 ppm) @ 400 ml /ac (or) Bacillus thuringiensis @ 400 g / ac is recommended during evening hours.
Guava	Flowering stage	Guava Tailed mealy bug Symptoms of damage premature dropping of fruit. Management Thiamethoxam 0.5g/lit or Triozhophos 2 ml+ Neem oil 5 ml/1, phosalone 35 EC 1.5 ml+ Neem oil 5 ml/1. Release Cryptolaemusmontrouzieri beetles @ 10/tree.
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.
Animal husbandry	Goat	During this season Peste des petits ruminants in goat, blue tongue disease in sheep may occur so, vaccination is suggested during this time.

SMS: Rain :Very Light to light Rainfall, Bhendi Yellow Vein Mosaic , incidence spray azadirachtin 0.03 WSP @ 5 g/10 lit. or methyl demeton 25 EC @ 1.6 ml/ lit or thiamethoxam 25 WG @ 2 g/lit .

Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	Due to the recent monsoon rains, different types of grasses are growing in the pasture. Feeding of different variety of these grasses by livestock causes changes in rumen microflora and makes them susceptible for bloat, indigestion and other digestive disorders. Affected animals will be off feed, tired and have a bloated stomach. Affected ruminants can be easily cured by adopting proper feeding management strategies. In severe cases the farmers are advised to consult the veterinarian immediately for proper treatment.

		Alternatively farmers take 10 grams of pepper and cumin each and soak them in water for 30 minutes and add 100 grams of onion, 10 cloves of garlic, 2 dry chillies, 10 grams of turmeric powder, 100 grams of jaggery, 10 betel leaves and 100 grams of ginger. Grind all these ingredients into paste and roll them into small balls. Add sufficient amount of salt with these balls and feed them to the affected animals 3 or 4 times a day for three consecutive days to relieve bloat, indigestion and other digestive disorders.
Poultry	General	Periodic rains can contaminate the water in bore wells and increase the load of disease-causing microorganisms in the drinking water. Hence, poultry farmers are advised to periodically test the drinking water of poultry from bore well and surface wells and treat it with chemicals such as hydrogen peroxide and chlorine according to the microbial load. During the prevailing climatic conditions, poultry farmers are advised to make changes in feed as advised by veterinarians to protect them from disease caused by mycotoxins, bacteria and viruses.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Green gram	Vegetative stage	Farmers are advised to spray imidacloprid @ 0.5 ml / litre of water to control yellow vein mosaic virus disease in greengram crop.
Tomato	Planting period	Tomato growers are requested to enrich 4 kg borax, 20 kg zinc sulphate and 1.5 kg copper sulphate in 250 kg well decomposed farm yard manure per acre with friable moisture content and keep it for one month and then apply basal dose before transplanting of tomato. Also, 15 days later apply 1 kg Azospirillum + 1 kg phosphobacteria along with 10 kg soil + 10 kg decomposed farmyard manure as basal dose per acre.
Brinjal	Vegetative stage	Due to change in climate spotted beetle incidence was reported in Brinjal. To control this Collect damaged leaves with grubs, yellow colour horns and egg masses and destroy them. Shake plants to dislodge grubs, pupae and adults and destroy them. Foliar spray of neem seed kernel extract 5 % (or) Foliar spray of Flubendiamide @ 7.5 gram / litre starting from one month after planting at 15 days interval.
Banana	Growing period	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 expected during next few 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 expected during next few days. Hence, farmers may postpone irrigation.

BLOCK LEVEL FORECAST

CHENNAI DISTRICT

Chennai Block

From extended range forecast Below normal rainfall, Normal minimum temperature and maximum temperature expected for the period of 10.07.2022 to 16.07.2022 over Tamil Nadu. (06.07.2022-08.07.2022): Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu.

Live Stock(Varieties)	Live Stock Specific Advisory
COW	1. The farmers should avoid allowing the animals to graze in hot parts of the day.
GOAT	2. Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
PIG	4. The increased humidity in pig sty may occasionally increase the ammonia concentration to prevent this, the sty must be facilitated with good ventilation
RABBIT	5. 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
CHICKEN	7. In deep litter system of poultry rearing, the moisture level of litter system must be under check to prevent ammonia accumulation in poultry houses.

TIRUVANNAMALAI DISTRICT

Anukkavur, Chengam, Arani, Chetput, Cheyyar, Jawadhu Hill, Kalasapakkam, Keelpennathur, Pernamallur, Polur, Pudupalayam, Thandrampet, Thellar, Tiruvannamalai, Thurinapuram, Vandavasi, Verbakkam, West Arani Blocks

As per the IMD extended range forecast (ERF), Tamil Nadu and Puducherry may receive below normal rainfall and normal temperature for the period of 10.07.2022 to 16.07.2022. 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. (06.07.2022-08.07.2022): Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu.

Crop(Varieties)	Crop Specific Advisory
RICE	Utilizing the past week and expected rainfall, green manure sowing may be taken up in ploughed land. In the paddy planting field to apply Butachlor for weed control 2.5 litre+25 Kg sand per hectare on the third day. Prevailing weather condition is favorable for leaf folder incidence in rice. Hence farmers are requested to monitor the field and spray azadirachtin 0.03% 100ml/ha.
GROUNDNUT	Apply 25: 50:75 kg/ha of NPK fertilizers as the blanket recommendation. N and K in three splits viz., 50 % N & K as basal + 25 % N and K at 20 DAS + 25 % N and K at 45 DAS is recommended. Apply sulphur sludge 60 kg/ha. During rainy season iron deficiency may be seen in groundnut. So, apply Feso4 1% @ 10ml /litre.
Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	This is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
BANANA	To control panama wilt in banana, soil drenching with copper oxy chloride 2 g/litre.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Do not keep the animals under the tree during raining time. Give deworming medicine liquid oxychloxanide @10 mg/1kg body weight dry animals, heifers and calves. Vaccinate livestock with FMD vaccine.
GOAT	Give deworming liquid oxychloxanide @ 15 mg /1kg body weight.

VILLUPURAM DISTRICT

Chinnasalam, Gingee, Kallakurichi, Kallrayan hill, Kana, Kandamangalam, Koliyanur, Mailam, Marakanam, Melmalayanur, Mugaiyur, Olakkur, Rishivandiyam, Sankarapuram, Thirukovilur, Thirunavalur, Thiruvainallur, Thiyagadurgam, Ulundurpet, Vallam, Vanur, Vikravandi Blocks

From extended range forecast below normal rainfall, normal minimum temperature and maximum temperature expected for the period of 10.07.2022 to 16.07.2022 over Tamil Nadu. (06.07.2022-08.07.2022): Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu.

Crop(Varieties)	Crop Specific 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. Alage in paddy field reduces the growth of crops. To control apply, 2.0 kg of copper sulphate mix with sand.3. Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray chlorantraniliprole 18.5% 150 ml/ha or flubendiamide 39.35 SC 50 g/ha during morning or evening hours

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.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	To reduce the root rot infection in groundnut treat the seeds with carbendazim or thiram @ 2.0 g/kg of seed 24 hours before sowing (or) Trichoderma viride @ 4.0 g/kg of seed and Pseudomonas fluorescens @ 10 g/kg seed.
Horticulture (Varieties)	Horticulture Specific Advisory
COCONUT	Installation of yellow sticky traps (25 Nos./ ha) on the palm trunk to trap the adult whiteflies.2. Encourage buildup of parasitoids (Encarsia sp.) and reintroduce parasitized pupae at emerging zones of whitefly outbreak.3. In severe case, spray neem oil 20 ml/l of water or spray Azadirachtin 2.0 ml/l of water with 1.0 ml of sticking agent.

