



तमिलनाडु के लिए राज्य स्तरीय समग्र कृषि-मौसम परामर्श बुलेटिन



**State Composite Agro-meteorological Advisory
Bulletin for Tamil Nadu and Puducherry
Bulletin No. 099/2024**

For the period 0830 IST, 10th December 2024 to

0830 IST, 15th December 2024

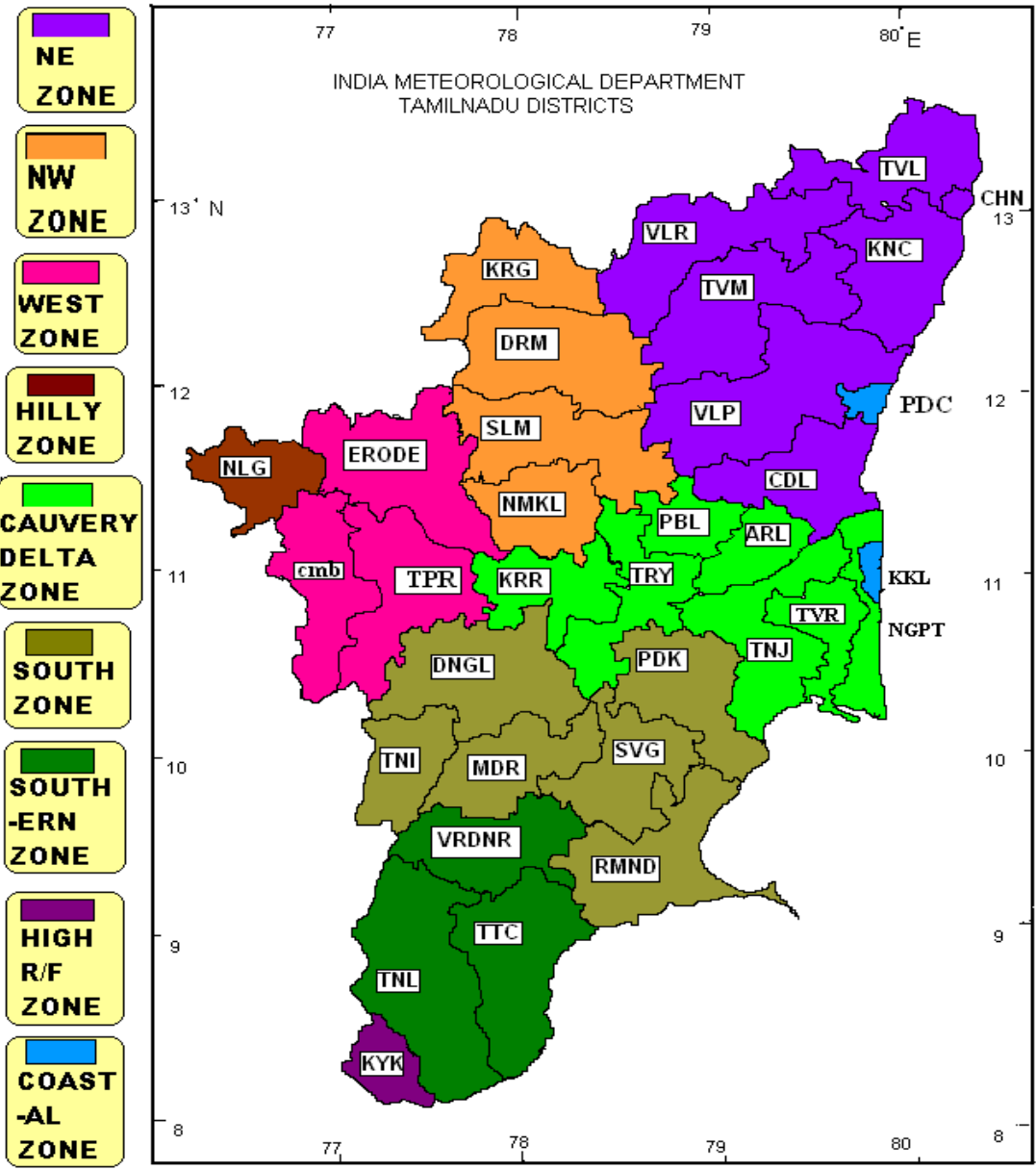
Issued on Tuesday, 10th December 2024

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, Tiruvarur, Karur, Perambalur, Ariyalur and Tiruchirapalli.	Adudurai
5	Southern zone	Virudhunagar, Tirunelveli and Thoothukudi	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 06.12.24 to 09.12.24 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range 28°C – 34°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 20°C – 28°C during the period.

Minimum temperature of range 15°C - 24°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 09°C - 11°C during the same period.

Spatial distribution of Rainfall

Spatial distribution of Rainfall	Tamil Nadu	Puducherry
Widespread (Most places)	-	-
Fairly widespread (Many places)	-	-
Scattered (Few Places)	-	-
Isolated (One or Two Places)	06.12.2024, 07.12.2024, 08.12.2024 and 09.12.2024	-
Dry	-	06.12.2024, 07.12.2024, 08.12.2024 and 09.12.2024

Chief Amounts of Rainfall (in cms):-

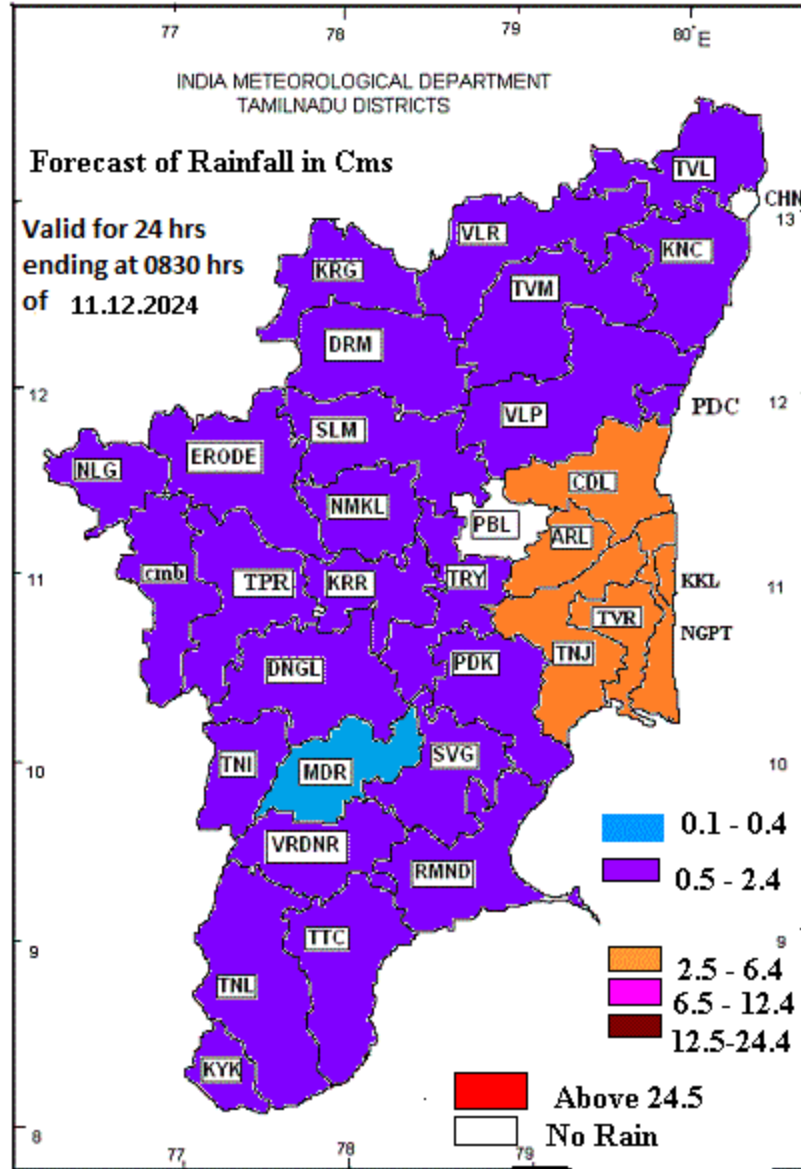
06.12.24: Kovilpatti (dist Thoothukudi), Thenparanadu (dist Thiruchirappalli) 3 each; Kalugumalai (dist Thoothukudi), Kodaikannal Boat Club (dist Dindigul), Sivagiri (dist Tenkasi), Vaippar (dist Thoothukudi), Ammapettai (dist Erode), Edapadi (dist Salem), Vembakottai (dist Virudhunagar) 1 each.

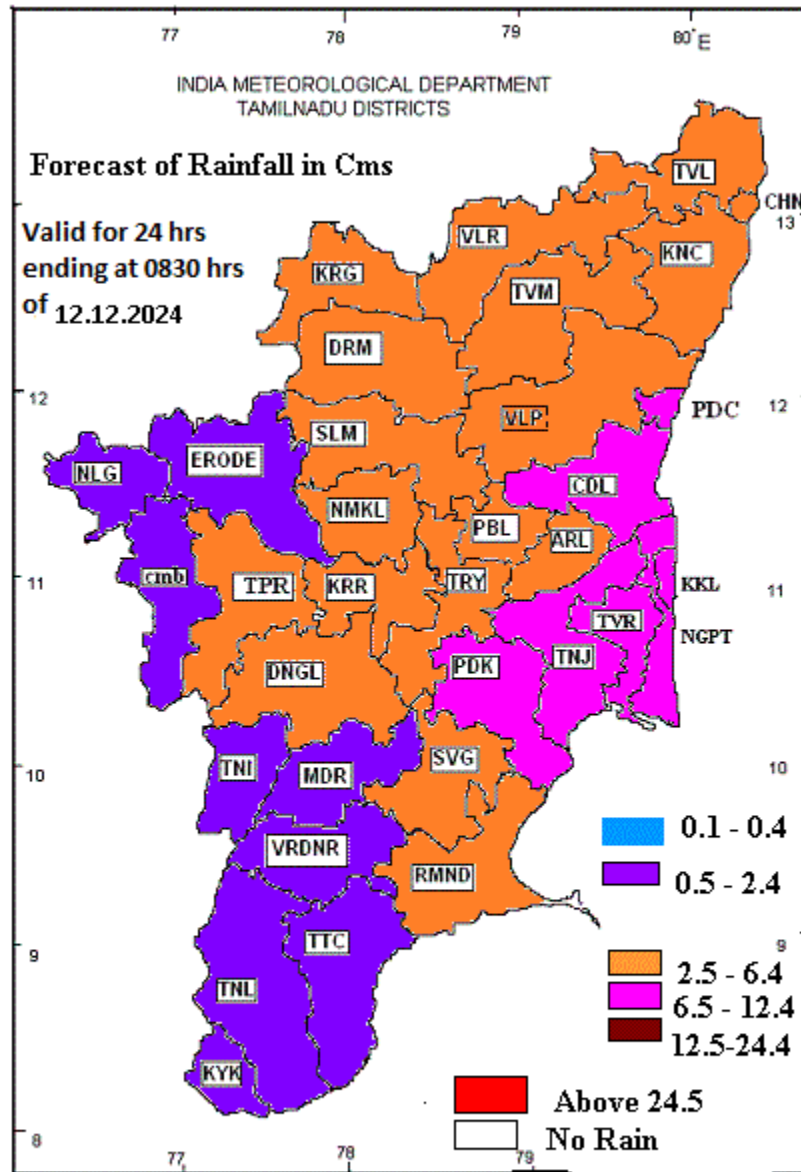
07.12.24: Sairam Institution ARG (dist Chengalpattu) 1.

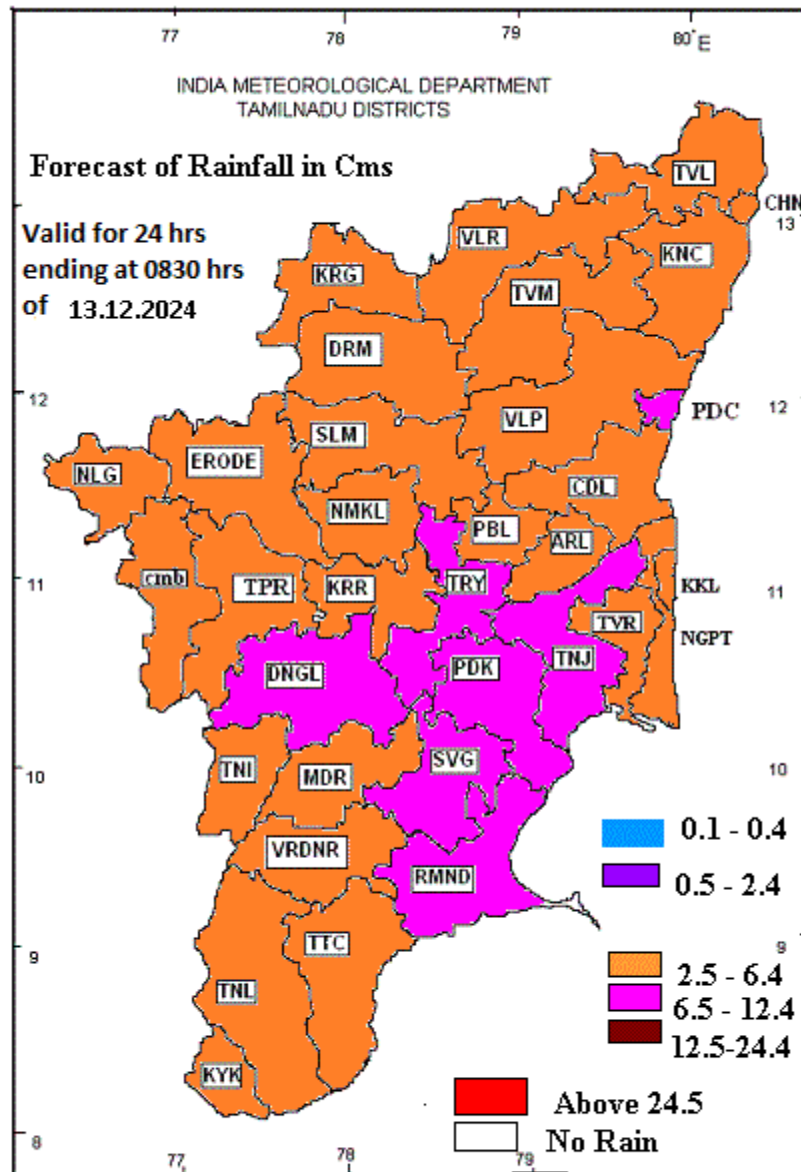
08.12.24: Pillur Dam Mettupalayam (dist Coimbatore) 4, Melur (dist Madurai), Thaniamangalam (dist Madurai), Tirupathur (dist Sivagangai), Sirugamani KVK AWS (dist Thiruchirappalli), Musiri (dist Thiruchirappalli), Sivagiri (dist Tenkasi) 2 each, Kilanilai (dist Pudukkottai), Singampunari (dist Sivagangai), Vathalai Anaicut (dist Thiruchirappalli), Pulipatti (dist Madurai), Ponnaniyar Dam (dist Thiruchirappalli), Tirupuvanam (dist Sivagangai), Chennimalai (dist Erode) 1 each.

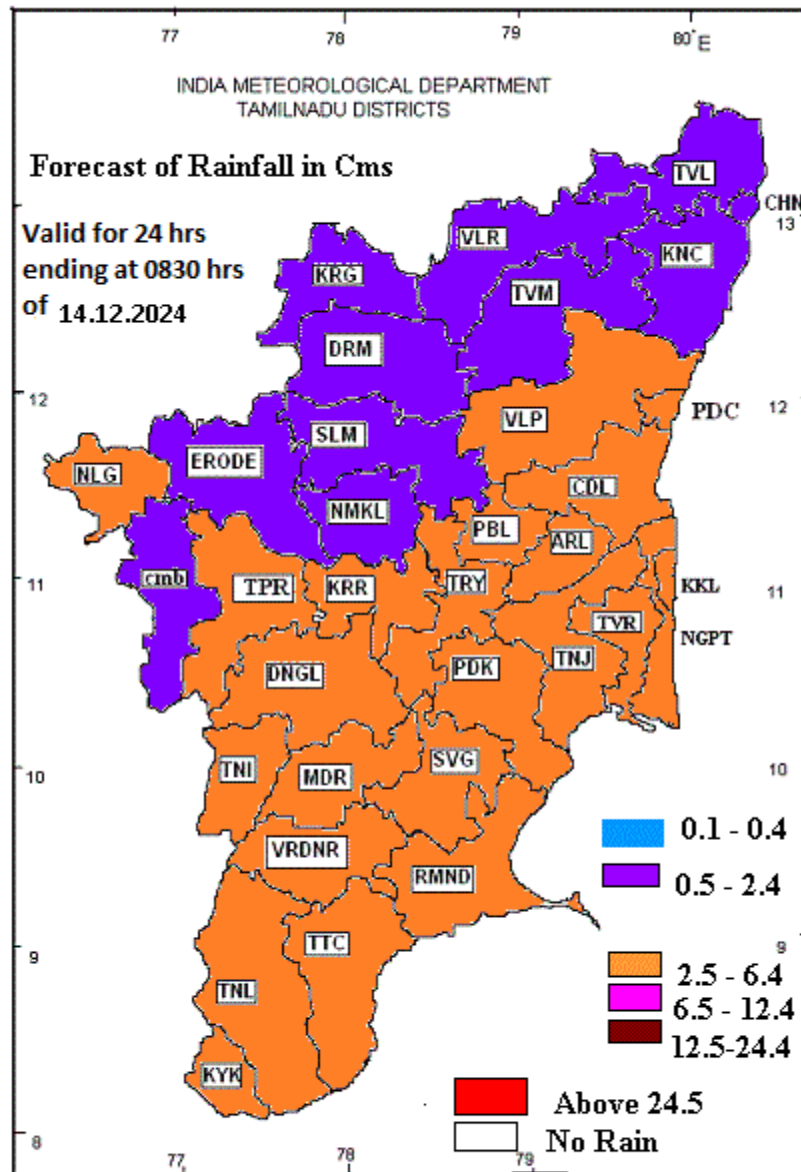
09.12.24: Tirupuvanam (dist Sivagangai) 2, Kariyapatti (dist Virudhunagar) 1.

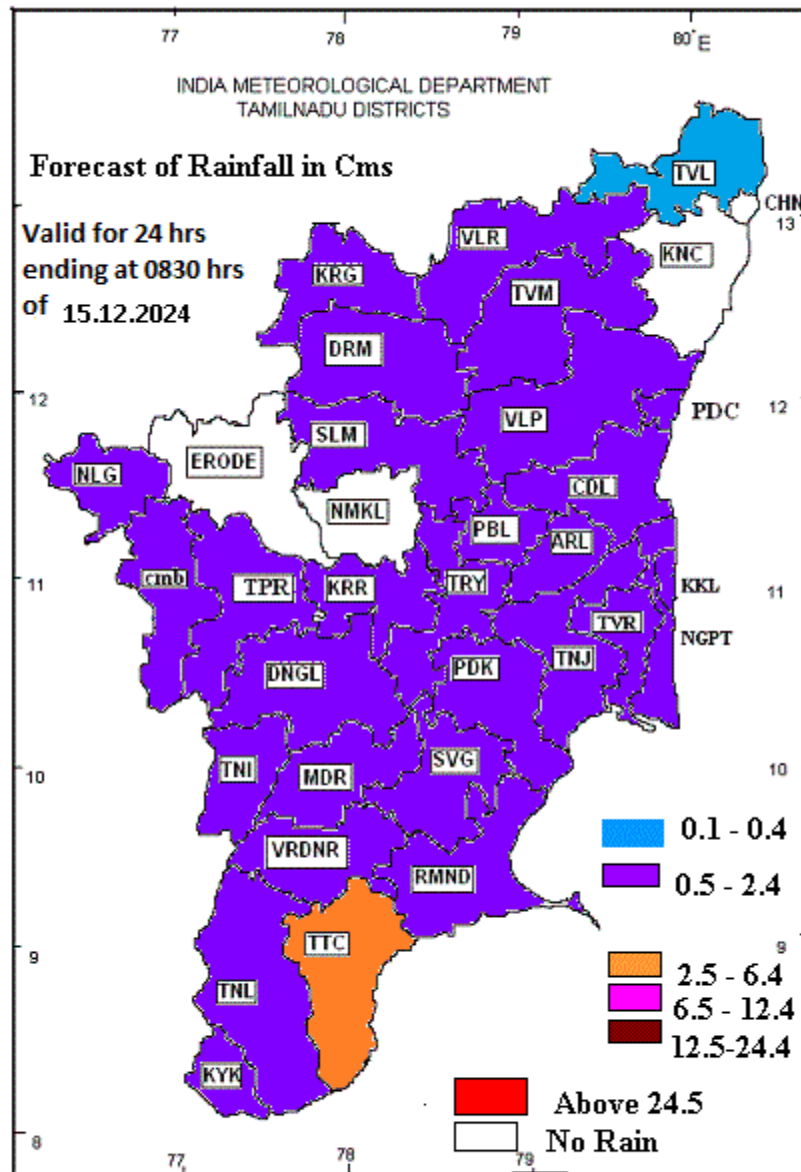
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 10.12.24
VALID FOR THE NEXT 5 DAYS**











District-wise Agromet Advisories

Chennai, Kancheepuram, Villupuram, Tiruvannamalai, Tiruvallur, Vellore and Cuddalore

SMS Advisory:

(11.12.2024-14.12.2024) Heavy rain is likely to occur at isolated places over Cuddalore, Kallakurichi, Villuppuram, Chengalpattu, Kancheepuram, Chennai and Tiruvallur districts of Tamilnadu.

Livestock Advisory:

1. The young livestock must protected from cold drafts with straw bedding and gunny bag so that the body temperature would be maintained.
2. Since this rainy season is conducive for occurrence of Coccidiosis in rabbit colonies strict biosecurity should be implicated.
3. The feed soiled water must be disposed off to prevent aflotoxicosis or they must be completely dried to wet free
4. The drinking water may be boiled to body temperature before giving to livestock so that they will not suffer cold shockThe breeding materials of pen must be maintained damp free
5. The carcasses must be disposed off sufficing the preventive measures
6. Since stagnated water may predispose to water borne diseases, care must be exercised to clean and disinfect them.
7. To avoid pneumonia in calves and kids prevent them from drenching in rain water
8. To prevent the ammonia accumulation there must be in the pig house, good ventilation
9. Provision of 5% shell grit to layers improves the egg quality.

Agricultural advisory Rice:

Since rain is anticipated, provide drainage for the rice field. To avoid fertilizer application, insecticides or pesticides spray and postpond irrigation.

Farmers are advised provide adequate drainage facilities and drain the stagnant rain and flood water in the rice field and provide aeration to the roots. Submerged paddy crops will be affected by nutrition deficiency so farmers are advised to apply 50 kg of ammonium sulphate or 42 kg of ammonium chloride / acre (or) apply 22 kg of urea + 18 kg of gypsum + 4 kg of neem cake per acre allow to soak overnight and 17 Kg of potash should be mixed while spraying next day.

Due to continuous rainfall leaf folder and stem borer infestation found in paddy crop. To manage them, spray carbosulfan 400 ml/ac or cartap hydrochloride 600 g/ac during morning or evening hours. (Spray after rainfall)

Due to prevailing weather conditions gall midge infestation is found in paddy crop. To control spray chlorpyrifos 20% EC 500 ml/ac or phosalone 35 EC 600 ml/ac. (Spray after rainfall) Due to prevailing weather condition blast infection was observed in paddy crop. To manage the blast, spray tricyclazole 75% WP 200 g/acre or carbendazim 50WP @ 200g/acre at morning or evening time. (Spray after rainfall)

Groundnut:

Provide drainage for the groundnut field.

Continuous rainfall will be expected forthcoming days, so farmers are advised to avoid groundnut sowing. Provide proper drainage for sown areas. After rainfall groundnut growing farmers reduce the seed borne pathogens, seedling disease and root rot infections treat the seeds with carbendazim @ 2.0 g/kg of seed 24 hours before sowing (or) *Trichoderma viride* @ 4.0 g/kg of seed (or) *Bacillus subtilis* @ 10 g/kg seed.

Turmeric:

To ensure the drainage facility for avoiding rhizome rot disease in turmeric field.

Coconut:

To control rhinoceros beetle in rainy season, setup Rhino lure pheromone trap @ 2 traps/acre

Banaan:

High wind speed (>10 kmph) is expected on forthcoming days, so prop up 5 month old bananatrees.

Coimbatore

Agro Advisory

Crop	Stage	Advisory
General		Light to Moderate is expected for the next five days and the wind speed is expected to be around 10 – 20 kmph in Western zone districts. Provide adequate drainage facility to all crops and postpone the irrigation.
Rice	Vegetative to Flowering	Favourable weather may increase bacterial leaf blight incidence in rice. Spray Streptomycin sulphate + Tetracycline combination 300 g + Copper oxychloride 1250 g/ha during rain free days. Due to dewfall, false smut may occur, to control the false smut disease, spray Tricyclazole 20.4 W/W + Azoxystrobin 6.8 W/W Sc @ 400ml /acre.
Maize	Tasseling	Apply 2 nd dose of top dressing with urea @ 100kg/ha and MOP @ 2k kg/ha for quicker recovery from the past week water logging.
Vegetables	Flowering	Present weather with moderate temperature and high morning and afternoon RH favours disease spread in vegetables. Provide prophylactic spray with Mancozeb 75% WP @ 800 gram / acre upon cessation of rains.
Turmeric	Rhizome development	Because of high soil moisture and humidity leaf spot disease in turmeric may be noticed, hence spray Azoxystrobin 18.2% + Difenazonazole 11.4% W/W Sc @ 0.1%. Make the drainage facility to avoid rhizome rot disease.
Banana & sugarcane		Due to high wind speed (>10kmph) and anticipating rainfall propping in sugarcane and support for five months and above old banana may be done immediately.
Coconut		Considering the less rain days, inward trench around the coconut trees may be prepared to harvest forthcoming rains in to the root zone.

Animal Husbandry		Considering the consumption of newly emerged grasses during the monsoon season, deworming may be given to sheep, goat, cattle and milch animals.
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SMS advisory:

Present weather favours bacterial leaf blight incidence in rice. Spray Streptomycin sulphate + Tetracycline combination 300 g + Copper oxychloride 1250 g/ha during rain free days for one hectare.

Erode

Agro Advisory

Crop	Stage	Advisory
General		Light to Moderate rainfall is expected for the next five days and the wind speed is expected to be around 10 – 20 kmph in Western zone districts. Provide adequate drainage facility to all crops and postpone the irrigation.
Rice	Vegetative to Flowering	Favourable weather may increase bacterial leaf blight incidence in rice. Spray Streptomycin sulphate + Tetracycline combination 300 g + Copper oxychloride 1250 g/ha during rain free days. Due to dewfall, false smut may occur, to control the false smut disease, spray Trichyclazole 20.4 W/W + Azoxystrobin 6.8 W/W Sc @ 400ml /acre.
Maize	Tasseling	Apply 2 nd dose of top dressing with urea @ 100kg/ha and MOP @ 2k kg/ha for quicker recovery from the past week water logging.
Vegetables	Flowering	Present weather with moderate temperature and high morning and afternoon RH favours disease spread in vegetables. Provide prophylactic spray with Mancozeb 75% WP @ 800 gram / acre upon cessation of rains.
Turmeric	Rhizome development	Because of high soil moisture and humidity leaf spot disease in turmeric may be noticed, hence spray Azoxystrobin 18.2% + Difenazonazole 11.4% W/W Sc @ 0.1%. Make the drainage facility to avoid rhizome rot disease.
Banana & sugarcane		Due to high wind speed (>10kmph) and anticipating rainfall propping in sugarcane and support for five months and above old banana may be done immediately.
Coconut		Considering the less rain days, inward trench around the coconut trees may be prepared to harvest forthcoming rains in to the root zone.
Animal Husbandry		Considering the consumption of newly emerged grasses during the monsoon season, deworming may be given to sheep, goat, cattle and milch animals.

SMS advisory:

Present weather favours bacterial leaf blight incidence in rice. Spray Streptomycin sulphate + Tetracycline combination 300 g + Copper oxychloride 1250 g/ha during rain free days for one hectare.

Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		Light to Moderate rainfall is expected for the next five days and the wind speed is expected to be around 10 – 20 kmph in Western zone districts. Provide adequate drainage facility to all crops and postpone the irrigation.
Rice	Vegetative to Flowering	Favourable weather may increase bacterial leaf blight incidence in rice. Spray Streptomycin sulphate + Tetracycline combination 300 g + Copper oxychloride 1250 g/ha during rain free days. Due to dewfall, false smut may occur, to control the false smut disease, spray Trichyclazole 20.4 W/W + Azoxystrobin 6.8 W/W Sc @ 400ml /acre.
Maize	Tasseling	Apply 2 nd dose of top dressing with urea @ 100kg/ha and MOP @ 2k kg/ha for quicker recovery from the past week water logging.
Vegetables	Flowering	Present weather with moderate temperature and high morning and afternoon RH favours disease spread in vegetables. Provide prophylactic spray with Mancozeb 75% WP @ 800 gram / acre upon cessation of rains.
Banana & sugarcane		Due to high wind speed (>10kmph) and anticipating rainfall propping in sugarcane and support for five months and above old banana may be done immediately.
Coconut		Considering the less rain days, inward trench around the coconut trees may be prepared to harvest forthcoming rains in to the root zone.
Animal Husbandry		Considering the consumption of newly emerged grasses during the monsoon season, deworming may be given to sheep, goat, cattle and milch animals.

SMS advisory:

Present weather favours bacterial leaf blight incidence in rice. Spray Streptomycin sulphate + Tetracycline combination 300 g + Copper oxychloride 1250 g/ha during rain free days for one hectare.

Nilgiris

General advisory: Livestock: Damage from thunderstorms with moderate rain. Cattle can become infected with monsoon diseases. i) Protect your animals from lightning and thunderstorm. ii) Do not allow the animals to graze outside. iii) Don't tie the animals to the electric poles and under trees. iv) In consultation with the local veterinarian, vaccinate your animals against seasonal diseases.

SMS advisory: i. Provide drainage facility. ii. Postpone the intercultural / plant protection activities such as fertilizer and pesticide application until the rain stops.

Horticulture (Stage)	Horticulture Specific Advisory
CARROT	Carrot Rust fly management : Soil application of chlorantraniliprole granules insecticide @ 4kg/acre at 45 – 50 days after sowing may be given during rain free period.

BANANA	Banana: Poor drainage and monsoon rains can cause waterlogging in fields. i) Provide support to 5 months old trees using wooden poles. ii) Provide drainage facility and avoid fertilizer and pesticide application. iii) Removal and destruction of decaying and rotten leaves
TEA	Tea: The occurrence of the blister blight disease in tea plantations will become more severe. Management of blister blight disease in tea • Removal and destruction of affected leaves and shoots by pruning • Spray hexaconazole @ 200 ml + copper oxychloride @ 210 g/ha at 5 days interval (or) • Copper oxychloride @ 210 g + propiconazole @ 200 ml/ha at 10 days interval, particularly during September -November months • Avoid cultivation of susceptible varieties and grow resistant varieties CIB recommendation • Spray any one of the following chemicals • Hexaconazole 5% EC @ 200ml/ha (or) • Propiconazole 25% EC @ 125-250ml/ha (or) • Carbendazim 12%+ Mancozeb 63% WP @ 1250g/ha (or) • Hexaconazole 4% + Zineb 68% WP @ 625g/ha

Dindigul

SMS Advisory	Chances of Moderate rain during 11, 12, 15 Dec & Rather heavy rain on 13, 14 Dec. Maximum temperature would be in the range of 30°C to 33°C and the minimum temperature would be between 22°C - 23°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 10-20 Kmph from, Northeast & East directions.
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General Advisory:

Heavy rainfall is expected on 13.12.24 and 14.12.24. During these days farmers are advised to avoid Sowing, irrigation, intercultural operations and application of plant protection measures to the standing crops.

Provide adequate drainage facilities in the field and renovate the rain water harvesting structures to avoid water stagnation due to heavy rainfall. Try to harvest the rainwater in the farm ponds / water bodies.

Provide support to crops likes Banana, Papaya and sugarcane.

Wind with the speed of 10 to 20 kmph is expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Weather Based Agro-Advisories: (Tomato, Lab Lab & Animal Husbandry)

Tomato:

Due to heavy rainfall, there are chances of water logging. Provide adequate drainage facility. Postpone the intercultural / plant protection activities like fertilizer and pesticide application, until the rain completely stops. Harvest the matured crops immediately on getting heavy rainfall forecast and keep the harvested produce in a safe place.

Lab Lab:

Due to heavy rainfall and wind, there are chances of wear and tear of rusted iron strings and poles. Check and repair the structures like Bowers / Pandhals for damages in the strings and poles and provide adequate support.

Animal Husbandry:

To protect your animals from lightning and thunderstorm. Do not allow the animals to graze outside and don't tie the animals to the electric poles and under trees. Check for aflatoxin contamination in the dry fodder before feeding your cattle.

Madurai

SMS Advisory	Chances of Moderate rain on 12, 15 Dec & Rather heavy rain on 13, 14 Dec. Maximum temperature would be in the range of 30°C to 33°C and the minimum temperature would be between 22°C - 23°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 10-20 Kmph from, Northeast & East directions.
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General Advisory:

Heavy rainfall is expected on 13.12.24 and 14.12.24. During these days farmers are advised to avoid Sowing, irrigation, intercultural operations and application of plant protection measures to the standing crops.

Provide adequate drainage facilities in the field and renovate the rain water harvesting structures to avoid water stagnation due to heavy rainfall. Try to harvest the rainwater in the farm ponds / water bodies.

Provide support to crops likes Banana, Papaya and sugarcane.

Wind with the speed of 10 to 20 kmph is expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures / pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Weather Based Agro-Advisories: (Banana, Paddy & Animal Husbandry)

Banana:

Since heavy rainfall expected, farmers are advised to provide adequate drainage facilities in the fields to avoid water stagnation and farmers are advised to repair the water channels.

Avoid spraying of fertilizer, fungicide and pesticide during the rainy days.

Paddy:

Due to Heavy Rain, there are chances for Submergence and Flooding in Paddy fields, Provide proper drainage facility. Avoid / Postpone, intercultural activities like fertilizer and pesticide application.

Animal Husbandry:

To protect your animals from lightning and thunderstorm. Do not allow the animals to graze outside and don't tie the animals to the electric poles and under trees. Check for aflatoxin contamination in the dry fodder before feeding your cattle.

Pudukottai

SMS Advisory	Chances of Moderate rain during 11, 14, 15 Dec & Heavy rain on 12, 13 Dec. Maximum temperature would be in the range of 30°C to 32°C and the minimum temperature would be between 22°C - 24°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 10-25 Kmph from, Northeast & Southeast directions.
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General Advisory:

Heavy rainfall is expected on 12.12.24 and 13.12.24. During these days farmers are advised to avoid Sowing, irrigation, intercultural operations and application of plant protection measures to the standing crops.

Provide adequate drainage facilities in the field and renovate the rain water harvesting structures to avoid water stagnation due to heavy rainfall. Try to harvest the rainwater in the farm ponds / water bodies.

Provide support to crops likes Banana, Papaya and sugarcane.

Wind with the speed of 10 to 25 kmph is expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Weather Based Agro-Advisories: (Banana, Coconut & Animal Husbandry)

Banana:

Since Heavy rainfall is expected to occur at one or two places, there are chances of water logging and stacking of banana crops. Provide adequate drainage facility and avoid fertilizer and pesticide application. Remove and destruct the decayed and rotten leaves. Provide support to 5 months old trees using wooden poles.

Coconut:

Heavy rainfall is expected in the coming days, coconut growers are advised to safely remove the old and decayed fronds. Provide adequate drainage facilities in the field.

Animal Husbandry:

To protect your animals from lightning and thunderstorm. Do not allow the animals to graze outside and don't tie the animals to the electric poles and under trees. Check for aflatoxin contamination in the dry fodder before feeding your cattle.

Ramanathapuram

SMS Advisory	Chances of Moderate rain on 11, 15 Dec & Heavy rain during 12, 13, 14 Dec. Maximum temperature would be in the range of 31°C to 33°C and the minimum temperature would be between 23°C - 25°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 10-22 Kmph from, Northeast & Southeast directions.
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General Advisory:

Heavy rainfall is expected during 12, 13 and 14.12.24. During these days farmers are advised to avoid Sowing, irrigation, intercultural operations and application of plant protection measures to the standing crops.

Provide adequate drainage facilities in the field and renovate the rain water harvesting structures to avoid water stagnation due to heavy rainfall. Try to harvest the rainwater in the farm ponds / water bodies.

Provide support to crops likes Banana, Papaya and sugarcane.

Wind with the speed of 10 to 22 kmph is expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Weather Based Agro-Advisories: (Paddy, Cotton & Animal Husbandry)

Paddy:

Due to Heavy Rain, there are chances for Submergence and Flooding in Paddy fields, Provide proper drainage facility. Avoid / Postpone, intercultural activities like fertilizer and pesticide application.

Cotton:

Since heavy rainfall expected, farmers are advised to provide adequate drainage facilities in the fields to avoid water stagnation and farmers are advised to repair the water channels.

Avoid spraying of fertilizer, fungicide and pesticide during the rainy days.

Animal Husbandry:

To protect your animals from lightning and thunderstorm. Do not allow the animals to graze outside and don't tie the animals to the electric poles and under trees. Check for aflatoxin contamination in the dry fodder before feeding your cattle.

Sivagangai

SMS Advisory	Chances of Moderate rain on 11, 15 Dec & Rather heavy rain during 12, 13, 14 Dec. Maximum temperature would be in the range of 30°C to 33°C and the minimum temperature would be between 22°C - 23°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 10-20 Kmph from, Northeast & East directions.
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General Advisory:

Heavy rainfall is expected during 12, 13 and 14.12.24. During these days farmers are advised to avoid Sowing, irrigation, intercultural operations and application of plant protection measures to the standing crops.

Provide adequate drainage facilities in the field and renovate the rain water harvesting structures to avoid water stagnation due to heavy rainfall. Try to harvest the rainwater in the farm ponds / water bodies.

Provide support to crops likes Banana, Papaya and sugarcane.

Wind with the speed of 10 to 20 kmph is expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Weather Based Agro-Advisories: (Brinjal, Cotton & Animal Husbandry)

Brinjal

Since heavy rainfall expected, farmers are advised to provide adequate drainage facilities in the fields to avoid water stagnation and farmers are advised to repair the water channels.

Avoid spraying of fertilizer, fungicide and pesticide during the rainy days.

Cotton:

Heavy rainfall is expected in the coming days, proper drainage has to be provided for both the rain-fed and irrigated cotton crops. Postpone the intercultural / plant protection activities like fertilizer and pesticide application, until the rain completely stops.

Animal Husbandry:

To protect your animals from lightning and thunderstorm. Do not allow the animals to graze outside and don't tie the animals to the electric poles and under trees. Check for aflatoxin contamination in the dry fodder before feeding your cattle.

Theni

SMS Advisory	Chances of Moderate rain on 12, 15 Dec & Rather heavy rain on 13, 14 Dec. Maximum temperature would be in the range of 29°C to 32°C and the minimum temperature would be between 21°C - 22°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 10-20 Kmph from, Northeast & East directions.
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General Advisory:

Heavy rainfall is expected on 13.12.24 and 14.12.24. During these days farmers are advised to avoid Sowing, irrigation, inter-cultural operations and application of plant protection measures to the standing crops.

Provide adequate drainage facilities in the field and renovate the rain water harvesting structures to avoid water stagnation due to heavy rainfall. Try to harvest the rainwater in the farm ponds / water bodies.

Provide support to crops like Banana, Papaya and sugarcane.

Wind with the speed of 10 to 20 kmph is expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures / pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Weather Based Agro-Advisories: (Tomato, Cotton & Animal Husbandry)

Tomato:

Due to heavy rainfall, there are chances of water logging. Provide adequate drainage facility. Postpone the inter-cultural / plant protection activities like fertilizer and pesticide application, until the rain completely stops. Harvest the matured crops immediately on getting heavy rainfall forecast and keep the harvested produce in a safe place.

Cotton:

Heavy rainfall is expected in the coming days, proper drainage has to be provided for both the rain-fed and irrigated cotton crops. Postpone the inter-cultural / plant protection activities like fertilizer and pesticide application, until the rain completely stops.

Animal Husbandry:

To protect your animals from lightning and thunderstorm. Do not allow the animals to graze outside and don't tie the animals to the electric poles and under trees. Check for aflatoxin contamination in the dry fodder before feeding your cattle.

Virudhunagar

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Farmers are advised to postpone the irrigation.
Rainfed & irrigated crops	Rainfall	To prevent crop damage from continuous rainfall, farmers are advised to ensure proper drainage systems to avoid water stagnation in the fields.

Rainfed crops	Rainfall	Postpone spraying; however, it may be practiced based on local weather conditions.
Maize	Cob formation stage	Continuous rainfall and wind may affect the crop stand; hence farmers are requested to practice earth up and form new ridges to provide additional anchorage to the plants.
Pulses	Pod maturity to harvest stage	Harvest the produce and store it safely to prevent germination. Ensure the produce is spread out to avoid fungal growth.
Cotton	Boll bursting stage	Crop residue mulching may be done to reduce the soil erosion. Precaution may be taken to avoid water stagnation in the field.
Paddy	Vegetative stage	Maintain an appropriate water level to prevent crop damage. Warm, moist weather, short day length, low temperature favours stem borer. To control spray Azadirachtin 0.03% 1000 ml/ha (or) Chlorantraniliprole 18.5% SC 150 ml.
Chilli	Vegetative	Ensure proper drainage systems to avoid water stagnation. Avoid spraying and provide drainage facilities to avoid damping off infection. If symptoms persist soil drenching with copper oxychloride 2.5g/lit. may be practiced.
Onion		Continuous rain or high-intensity rainfall leads to waterlogged conditions, which can result in soft rot and basal rot. To manage this, practice soil trenching and apply Copper hydroxide at a rate of 2.5 g per liter of water.
Live stock	Shelter	Ensure the stability of animal shed structures and avoid stagnation of water around the shed. Provide adequate drinking water as the humidity is very high.
Human	Rainfall	The public is requested to carry umbrellas or raincoats and take preventive measures against the cold.

Rain: 04-08.12-8,15,35,55&15mm. Ensure proper drainage to avoid water stagnation in the fields.
Pulses-harvest and stored safely. Maize, sorghum- earthing up to avoid lodging.

Tirunelveli

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Farmers are advised to postpone the irrigation.
Rainfed crops	Rainfall	To prevent crop damage from continuous rainfall, farmers are advised to ensure proper drainage systems to avoid water stagnation in the fields.
Rainfed & irrigated crops	Rainfall	Postpone spraying; however, it may be practiced based on local weather conditions.
Paddy	Vegetative	Maintain the water level to avoid crop damage.
Sugarcane	All the stages	High wind speed may damage the crop; hence farmers are requested to provide support to bunch (propping).
Live stock	Shelter	Ensure the stability of animal shed structures and avoid stagnation of water around the shed. Provide adequate drinking water as the humidity is very high.
Human	Rainfall	The public is requested to carry umbrellas or raincoats and take preventive measures against the cold.

SMS: Rain: 04-08.12-15,12,35,55&20 mm. Ensure proper drainage. Sugarcane- practice propping.

Thoothukudi

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Farmers are advised to postpone the irrigation.
Rainfed crops	Rainfall	To prevent crop damage from continuous rainfall, farmers are advised to ensure proper drainage systems to avoid water stagnation in the fields.
Rainfed & irrigated crops	Rainfall	Postpone spraying; however, it may be practiced based on local weather conditions.
Pulses	Flowering to pod formation stage	Precaution may be taken to avoid water stagnation in the field. Postpone spraying; however, it may be practiced based on local weather conditions. Due to water stagnation, yellowing of leaves is noticed. Hence, foliar spray of 2% DAP + 1% KCl (MOP) or TNAU pulse wonder @ 2 kg / acre may be given.
Sorghum	Vegetative phase	Continuous rainfall and wind may affect the crop stand; hence farmers are requested to practice earth up and form new ridges to provide additional anchorage to the plants.
Maize	Vegetative to silking stage phase	
Paddy	Vegetative	Maintain the water level to avoid crop damage and avoid application of fertilizer.
Chilli	Vegetative	Ensure proper drainage systems to avoid water stagnation Avoid spraying and provide drainage facilities to avoid damping off infection. If symptoms persist soil drenching with copper oxychloride 2.5g/lit. may be practiced.
Cotton	Vegetative, flowering, square formation	Crop residue mulching may be done to reduce the soil erosion. Precaution may be taken to avoid water stagnation in the field. Immediate action for earth up and form new ridges to avoid lodging of crop due to continuous rainfall.
Banana	Bunch development	High wind speeds may damage the physical appearance of the crop. Hence, farmers are advised to practice propping. Earthing up should be practiced to avoid lodging
Live stock	Shelter	Ensure the stability of animal shed structures and avoid stagnation of water around the shed. Provide adequate drinking water as the humidity is very high.
	Disease forecast for the month of December	Bluetongue -high risk- Preventive Measures: Vector control using insecticides and good water management. Restriction in animal movement, segregation of affected animals and symptomatic treatment. Strict bio security measures. Peste des petits ruminants- Very high risk- Preventive Measures: Vaccination of susceptible animals of above 3 months old age. Restriction on animal movement, strict biosecurity measures and proper disposal of carcass.
Human	Rainfall	The public is requested to carry umbrellas or raincoats and take preventive measures against the cold.

SMS: Rain: 11-15.12-15,20,60,60&35 mm. Ensure proper drainage facilities in the fields. Maize, Sorghum and cotton- practice earthing up to avoid lodging.

Tenkasi

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Farmers are advised to postpone the irrigation.
Rainfed crops	Rainfall	To prevent crop damage from continuous rainfall, farmers are advised to ensure proper drainage systems to avoid water stagnation in the fields.
Rainfed &	Rainfall	Spraying may be practiced based on the local weather.

irrigated crops		If rainfall doesn't persist in the location, cloudy weather may result in fungal infections. Hence, preparatory measures may be taken to avoid crop damage.
Rainfed crops	Rainfall	Continuous rainfall may affect nutrient availability, causing crops to appear yellow. Farmers are advised to apply nutrients through foliar application, considering the local weather conditions.
Paddy	Transplantation	Maintain the water level to avoid crop damage.
Live stock	Shelter	Ensure the stability of animal shed structures and avoid stagnation of water around the shed. Provide adequate drinking water as the humidity is very high.
Human	Rainfall	The public is requested to carry umbrellas or raincoats and take preventive measures against the cold.

SMS: Rain: 11-15.12-15,12,35,58&20mm. Ensure proper drainage. Paddy – Transplanting- Maintain the water level to avoid crop damage.

Kanyakumari

AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
1.	Banana	Bunching	Wind speed is anticipated and so it is advised to provide mechanical support to banana to avoid lodging.
2.	Horticultural crops	All stages	Application of fertilizers and spraying of chemicals should be avoided due to rain.
3.	Tapioca	All stages	Drainage facilities have to be provided to prevent water logging as it invites pathogens.
4.	Rubber	Tapping Stage	Fix a polythene rain guard to the trunk of the tree above the tapping panel so that tapping can be done during rainy season also.
5.	Tube rose, Marigold and Nerium	All stages	Provide proper drainage facilities to prevent rain water stagnation.
6.	Banana	Harvesting stage	Harvested banana bunches should be stored in dry places to prevent disease incidence due to rainfall.
7.	Pepper	All stages	The runner shoots may be protected from spreading on the ground by coiling it on supports.

SMS Advisory

Banana: Use transparent polythene sleeves (2%) to cover the bunches due to rainfall. It increases the quality of bunches.

Salem

WEATHER ADVISORY BULLETIN FOR LIVESTOCK, POULTRY AND AGRICULTURE

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock and Poultry	General	<p>Tapioca or Cassava is mainly used as feed ingredients in Namakkal, Salem, Dharmapuri and Erode Districts of Tamil Nadu. Tapioca leaves, tuber peel, thippi / pomace are available in plenty during harvest season from October to January. Tapioca leaves are rich in crude protein (20%), Ether extract (8%), and calcium (2%). Fresh leaves up to 5 kgs and sun dried leaves up to 3 kg can be used daily for feeding ruminants. Besides, tannins present in leaves makes the protein present in the ration to by-pass the rumen and serves as balanced diet for high yielding dairy cattle. Sun dried tapioca peels and thippi are good source of digestible fibre but low in protein (4 – 6%) content. These items can be fed to cattle (5-7 kg) and sheep & goats (0.5 – 1.0 kg). Whenever there is price drop, the roots or tuber can be fed to ruminants.</p> <p>The tubers are rich in energy (starch 70-80%), calcium but low in protein (3%) and crude fibre (4%). Though rich in energy, the use of tapioca tubers in poultry ration is limited due to low protein and essential amino acid contents. However, dried chips can be used in poultry feeds as energy source replacing grains provided adequate protein levels are maintained by adding oils cakes or animal protein sources. However, tubers can be fed to native chicken replacing grains in the diet. Caution: Fresh tapioca leaves, rind and tubers contain linamarin leading HCN poisoning. Drying of tapioca products in sun / solar dryer or increasing the level of feeding gradually over a period of time can alleviate hydrocyanic acid toxicity in animals.</p>
Agro advisory from KrishiVigyan Kendra, Namakkal		
Turmeric	Rhizome formation stage	Turmeric farmers are requested to apply 200 kg of well decomposed farm yard manure along with 5 kg of Azospirillum, Phosphobacteria and <i>Trichoderma viride</i> each by using current rainfall for an acre of land to prevent rhizome rot and to improve the crop growth.
Pulses	Vegetative stage	Farmers are requested to give foliar spraying with pulse wonder @ 2 kg / acre in 200 liters of water along with sticking agent to improve the yield.
Small Onion	Vegetative stage	Small onion growers are requested to apply each 4 kg of <i>Trichoderma viride</i> , <i>Bacillus subtilis</i> and VAM along with 200 kg of FYM in the root region of onion plant for an acre of land at 20 days interval up to 2 months after planting to improve the plant growth and prevent the basal rot / bulb rot incidence in onion.
Vegetable crops	Flowering & fruiting stage	Vegetables growers are requested to give foliar spraying with vegetable booster @ 3 – 5 g / litre of water at flowering and fruiting stage.

Namakkal

WEATHER ADVISORY BULLETIN FOR LIVESTOCK, POULTRY AND AGRICULTURE

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock and Poultry	General	<p>Tapioca or Cassava is mainly used as feed ingredients in Namakkal, Salem, Dharmapuri and Erode Districts of Tamil Nadu. Tapioca leaves, tuber peel, thippi / pomace are available in plenty during harvest season from October to January. Tapioca leaves are rich in crude protein (20%), Ether extract (8%), and calcium (2%). Fresh leaves up to 5 kgs and sun dried leaves up to 3 kg can be used daily for feeding ruminants. Besides, tannins present in leaves makes the protein present in the ration to by-pass the rumen and serves as balanced diet for high yielding dairy cattle. Sun dried tapioca peels and thippi are good source of digestible fibre but low in protein (4 – 6%) content. These items can be fed to cattle (5-7 kg) and sheep & goats (0.5 – 1.0 kg). Whenever there is price drop, the roots or tuber can be fed to ruminants.</p> <p>The tubers are rich in energy (starch 70-80%), calcium but low in protein (3%) and crude fibre (4%). Though rich in energy, the use of tapioca tubers in poultry ration is limited due to low protein and essential amino acid contents. However, dried chips can be used in poultry feeds as energy source replacing grains provided adequate protein levels are maintained by adding oils cakes or animal protein sources. However, tubers can be fed to native chicken replacing grains in the diet. Caution: Fresh tapioca leaves, rind and tubers contain linamarin leading HCN poisoning. Drying of tapioca products in sun / solar dryer or increasing the level of feeding gradually over a period of time can alleviate hydrocyanic acid toxicity in animals.</p>
Agro advisory from KrishiVigyan Kendra, Namakkal		
Turmeric	Rhizome formation stage	Turmeric farmers are requested to apply 200 kg of well decomposed farm yard manure along with 5 kg of Azospirillum, Phosphobacteria and <i>Trichoderma viride</i> each by using current rainfall for an acre of land to prevent rhizome rot and to improve the crop growth.
Pulses	Vegetative stage	Farmers are requested to give foliar spraying with pulse wonder @ 2 kg / acre in 200 liters of water along with sticking agent to improve the yield.
Small Onion	Vegetative stage	Small onion growers are requested to apply each 4 kg of <i>Trichoderma viride</i> , <i>Bacillus subtilis</i> and VAM along with 200 kg of FYM in the root region of onion plant for an acre of land at 20 days interval up to 2 months after planting to improve the plant growth and prevent the basal rot / bulb rot incidence in onion.
Vegetable crops	Flowering & fruiting stage	Vegetables growers are requested to give foliar spraying with vegetable booster @ 3 – 5 g / litre of water at flowering and fruiting stage.

Dharmapuri

WEATHER ADVISORY BULLETIN FOR LIVESTOCK, POULTRY AND AGRICULTURE

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock and Poultry	General	<p>Tapioca or Cassava is mainly used as feed ingredients in Namakkal, Salem, Dharmapuri and Erode Districts of Tamil Nadu. Tapioca leaves, tuber peel, thippi / pomace are available in plenty during harvest season from October to January. Tapioca leaves are rich in crude protein (20%), Ether extract (8%), and calcium (2%). Fresh leaves up to 5 kgs and sun dried leaves up to 3 kg can be used daily for feeding ruminants. Besides, tannins present in leaves makes the protein present in the ration to by-pass the rumen and serves as balanced diet for high yielding dairy cattle. Sun dried tapioca peels and thippi are good source of digestible fibre but low in protein (4 – 6%) content. These items can be fed to cattle (5-7 kg) and sheep & goats (0.5 – 1.0 kg). Whenever there is price drop, the roots or tuber can be fed to ruminants.</p> <p>The tubers are rich in energy (starch 70-80%), calcium but low in protein (3%) and crude fibre (4%). Though rich in energy, the use of tapioca tubers in poultry ration is limited due to low protein and essential amino acid contents. However, dried chips can be used in poultry feeds as energy source replacing grains provided adequate protein levels are maintained by adding oils cakes or animal protein sources. However, tubers can be fed to native chicken replacing grains in the diet. Caution: Fresh tapioca leaves, rind and tubers contain linamarin leading HCN poisoning. Drying of tapioca products in sun / solar dryer or increasing the level of feeding gradually over a period of time can alleviate hydrocyanic acid toxicity in animals.</p>
Agro advisory from Krishi Vigyan Kendra, Namakkal		
Turmeric	Rhizome formation stage	Turmeric farmers are requested to apply 200 kg of well decomposed farm yard manure along with 5 kg of Azospirillum, Phosphobacteria and <i>Trichoderma viride</i> each by using current rainfall for an acre of land to prevent rhizome rot and to improve the crop growth.
Pulses	Vegetative stage	Farmers are requested to give foliar spraying with pulse wonder @ 2 kg / acre in 200 liters of water along with sticking agent to improve the yield.
Small Onion	Vegetative stage	Small onion growers are requested to apply each 4 kg of <i>Trichoderma viride</i> , <i>Bacillus subtilis</i> and VAM along with 200 kg of FYM in the root region of onion plant for an acre of land at 20 days interval up to 2 months after planting to improve the plant growth and prevent the basal rot / bulb rot incidence in onion.
Vegetable crops	Flowering & fruiting stage	Vegetables growers are requested to give foliar spraying with vegetable booster @ 3 – 5 g / litre of water at flowering and fruiting stage.

Krishnagiri

WEATHER ADVISORY BULLETIN FOR LIVESTOCK, POULTRY AND AGRICULTURE

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock and Poultry	General	<p>Tapioca or Cassava is mainly used as feed ingredients in Namakkal, Salem, Dharmapuri and Erode Districts of Tamil Nadu. Tapioca leaves, tuber peel, thippi / pomace are available in plenty during harvest season from October to January. Tapioca leaves are rich in crude protein (20%), Ether extract (8%), and calcium (2%). Fresh leaves up to 5 kgs and sun dried leaves up to 3 kg can be used daily for feeding ruminants. Besides, tannins present in leaves makes the protein present in the ration to by-pass the rumen and serves as balanced diet for high yielding dairy cattle. Sun dried tapioca peels and thippi are good source of digestible fibre but low in protein (4 – 6%) content. These items can be fed to cattle (5-7 kg) and sheep & goats (0.5 – 1.0 kg). Whenever there is price drop, the roots or tuber can be fed to ruminants.</p> <p>The tubers are rich in energy (starch 70-80%), calcium but low in protein (3%) and crude fibre (4%). Though rich in energy, the use of tapioca tubers in poultry ration is limited due to low protein and essential amino acid contents. However, dried chips can be used in poultry feeds as energy source replacing grains provided adequate protein levels are maintained by adding oils cakes or animal protein sources. However, tubers can be fed to native chicken replacing grains in the diet. Caution: Fresh tapioca leaves, rind and tubers contain linamarin leading HCN poisoning. Drying of tapioca products in sun / solar dryer or increasing the level of feeding gradually over a period of time can alleviate hydrocyanic acid toxicity in animals.</p>
Agro advisory from KrishiVigyan Kendra, Namakkal		
Turmeric	Rhizome formation stage	Turmeric farmers are requested to apply 200 kg of well decomposed farm yard manure along with 5 kg of Azospirillum, Phosphobacteria and <i>Trichoderma viride</i> each by using current rainfall for an acre of land to prevent rhizome rot and to improve the crop growth.
Pulses	Vegetative stage	Farmers are requested to give foliar spraying with pulse wonder @ 2 kg / acre in 200 liters of water along with sticking agent to improve the yield.
Small Onion	Vegetative stage	Small onion growers are requested to apply each 4 kg of <i>Trichoderma viride</i> , <i>Bacillus subtilis</i> and VAM along with 200 kg of FYM in the root region of onion plant for an acre of land at 20 days interval up to 2 months after planting to improve the plant growth and prevent the basal rot / bulb rot incidence in onion.
Vegetable crops	Flowering & fruiting stage	Vegetables growers are requested to give foliar spraying with vegetable booster @ 3 – 5 g / litre of water at flowering and fruiting stage.

