



Years of Service to the Nation  
राष्ट्र सेवा के 150 वर्ष

# तमिलनाडु के लिए राज्य स्तरीय समग्र कृषि-मौसम परामर्श बुलेटिन



## **State Composite Agro-meteorological Advisory Bulletin for Tamil Nadu and Puducherry Bulletin No. 095/2024**

For the period 0830 IST, 26<sup>th</sup> November 2024 to  
0830 IST, 01<sup>st</sup> December 2024

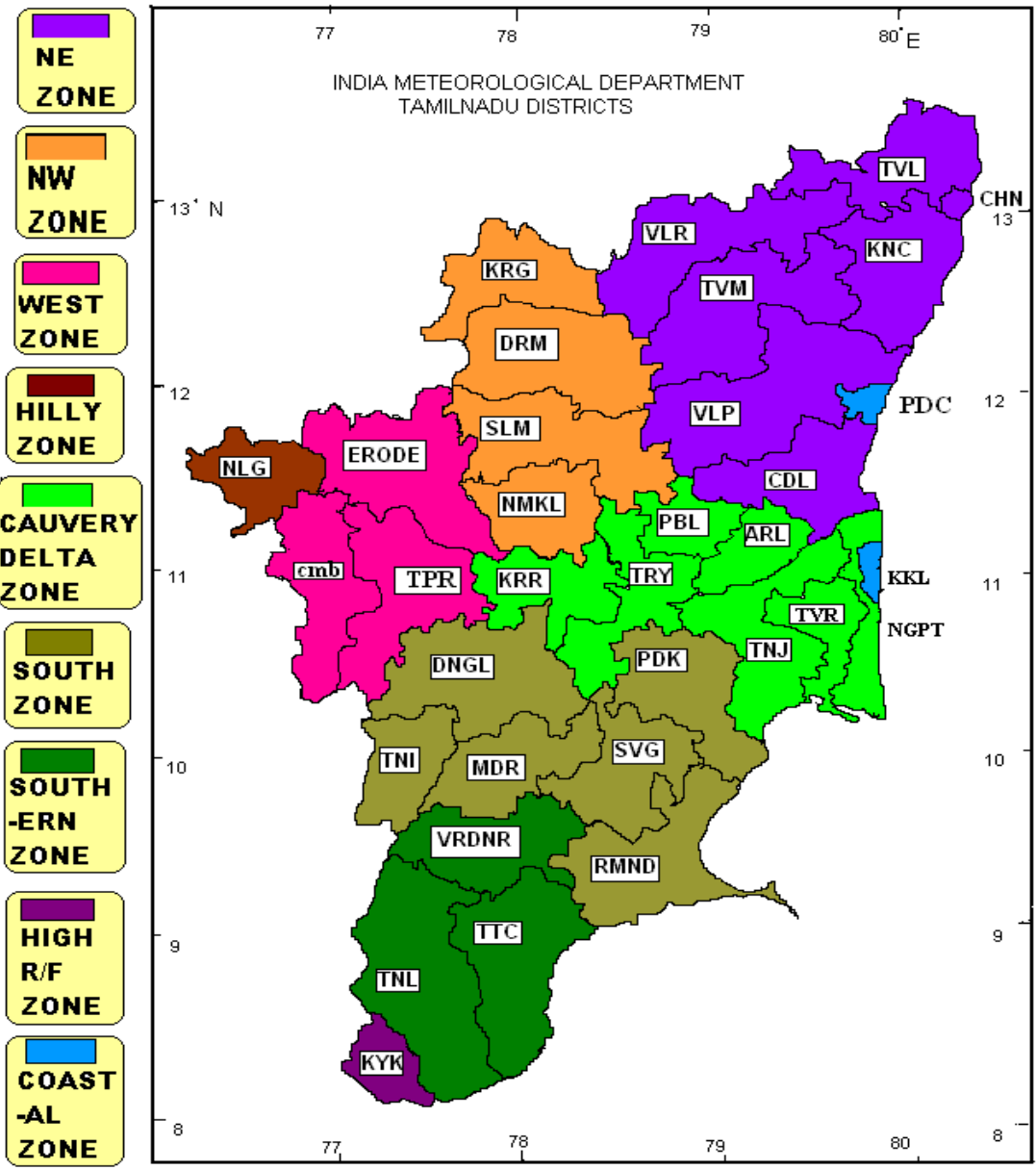
**Issued on Tuesday, 26<sup>th</sup> November 2024**

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 22.11.24 to 25.11.24 for the State of Tamilnadu & Puducherry

### Temperature:

Maximum Temperature of range **25°C – 32°C** prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range **15°C – 24°C** during the period.

Minimum temperature of range **20°C - 25°C** prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range **08°C - 10°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)	--	24.11.24 & 25.11.24
Isolated (One or Two Places)	22.11.24, 23.11.24, 24.11.24 & 25.11.24	--
Dry	--	22.11.24 & 23.11.24

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

**22.11.24** : Ramanathapuram (dist Ramanathapuram), Tiruchendur (dist Thoothukudi) 6 each, Thangachimadam (dist Ramanathapuram), Mandapam (dist Ramanathapuram) 5 each, Rameswaram (dist Ramanathapuram) 4, Pamban (dist Ramanathapuram) 3, Satankulam (dist Thoothukudi), Kulasekarapattinam (dist Thoothukudi), Mudukulatur (dist Ramanathapuram), Ramnadu KVK AWS (dist Ramanathapuram), Kadambur (dist Thoothukudi), Vaippar (dist Thoothukudi), Nalumukku (dist Tirunelveli), Kamudhi (dist Ramanathapuram) 2 each, Avudayarkoil (dist Pudukkottai), Old Taluk Office Srivaikuntam (dist Thoothukudi), Ottapadiram (dist Thoothukudi), Oothu (dist Tirunelveli), Radhapuram (dist Tirunelveli), Kodumudiyaru Dam (dist Tirunelveli), Tondi (dist Ramanathapuram), Kayalpattinam (dist Thoothukudi), Maniyachi (dist Thoothukudi), Mimisal (dist Pudukkottai), Mullanginavillai (dist Kanyakumari), Pallamorkulam (dist Ramanathapuram), Moolaikaraipatti (dist Tirunelveli), Kakkachi (dist Tirunelveli), Manamelkudi (dist Pudukkottai), Arantangi (dist Pudukkottai), Kayathar (dist Thoothukudi), Karaikudi (dist Sivagangai), Nagudi (dist Pudukkottai), Keelaarasadi (dist Thoothukudi), Ramanadhi Dam Section (dist Tenkasi), Papanasam (dist Tirunelveli), Paramakudi (dist Ramanathapuram), Malaiyur (dist Pudukkottai), Kamudhi ARG (dist Ramanathapuram), Kodaikannal Boat Club (dist Dindigul) 1 each.

**23.11.24** : Cincona (dist Coimbatore) 1

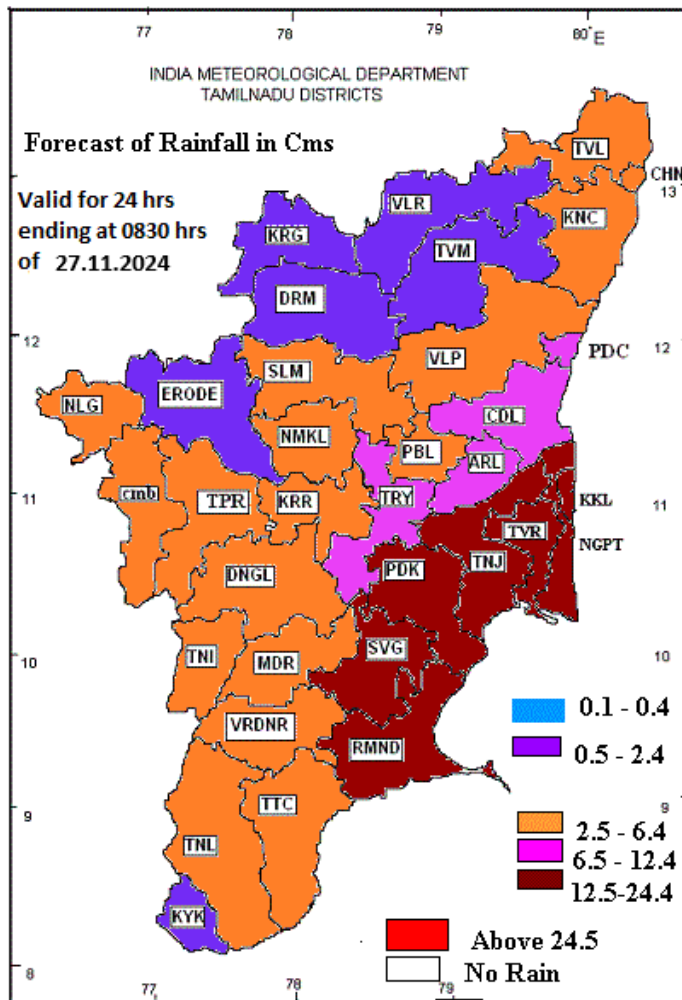
**24.11.24** : Nalumukku (dist Tirunelveli), Thalaigayyer (dist Nagapattinam), Oothu (dist Tirunelveli) 2each;Nagapattinam AWS (dist Nagapattinam), Cheranmahadevi (dist Tirunelveli), Kakkachi (distTirunelveli), Manjolai (dist Tirunelveli) 1 each.

**25.11.24** : Nil

**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 26.11.24  
VALID FOR THE NEXT 5 DAYS**

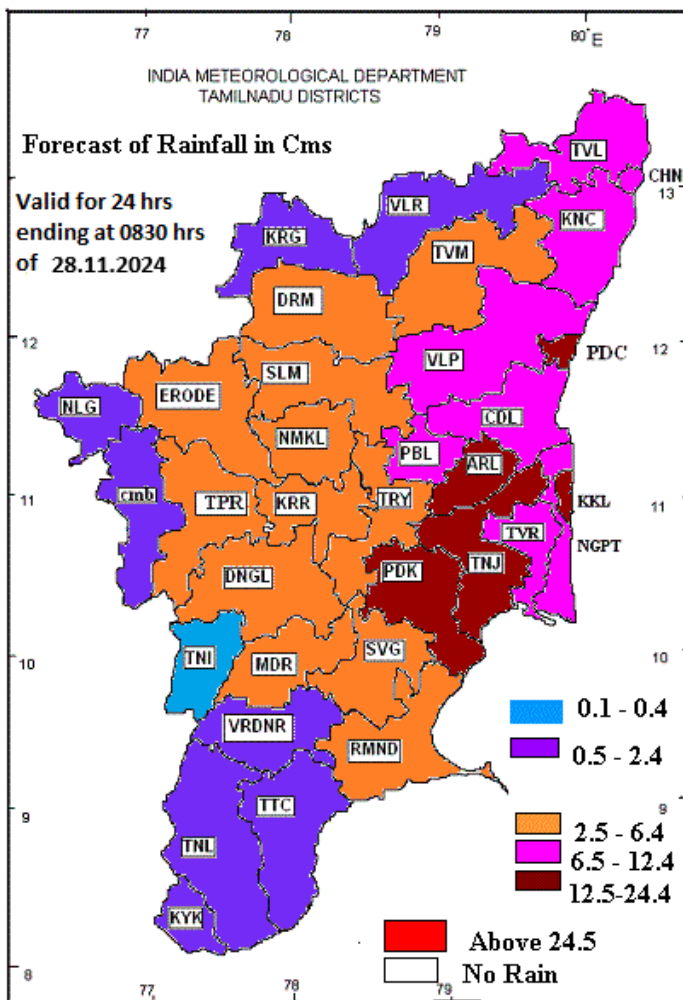


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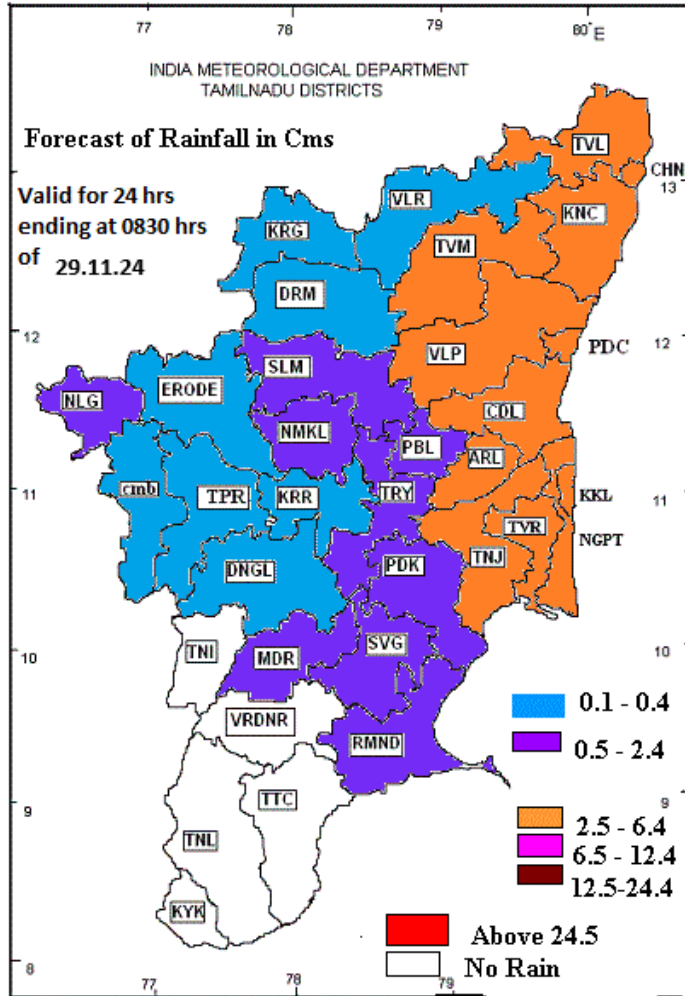


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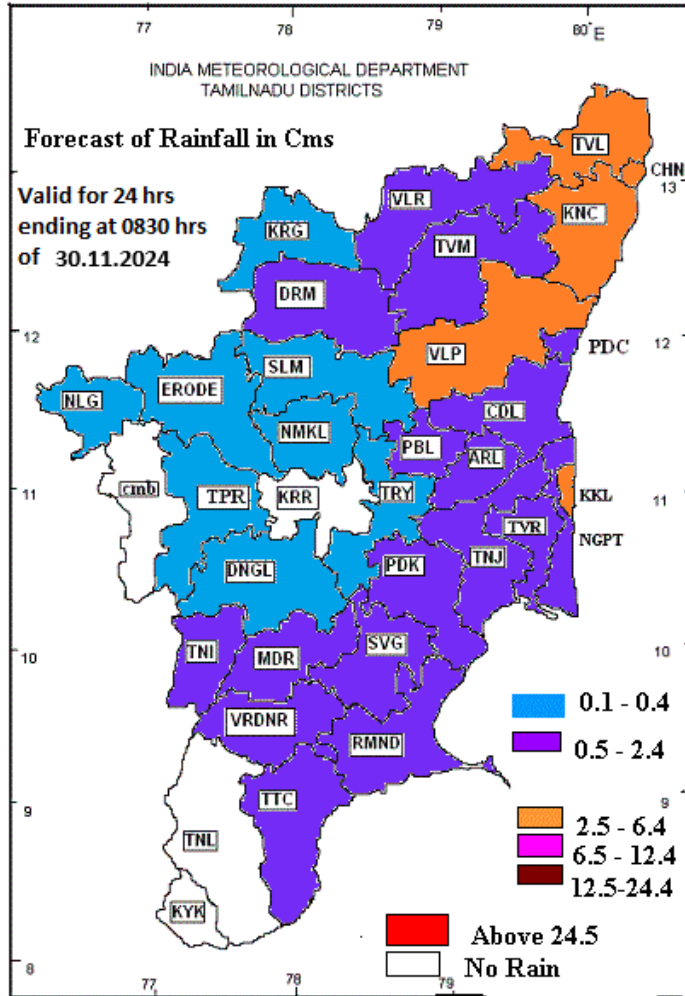


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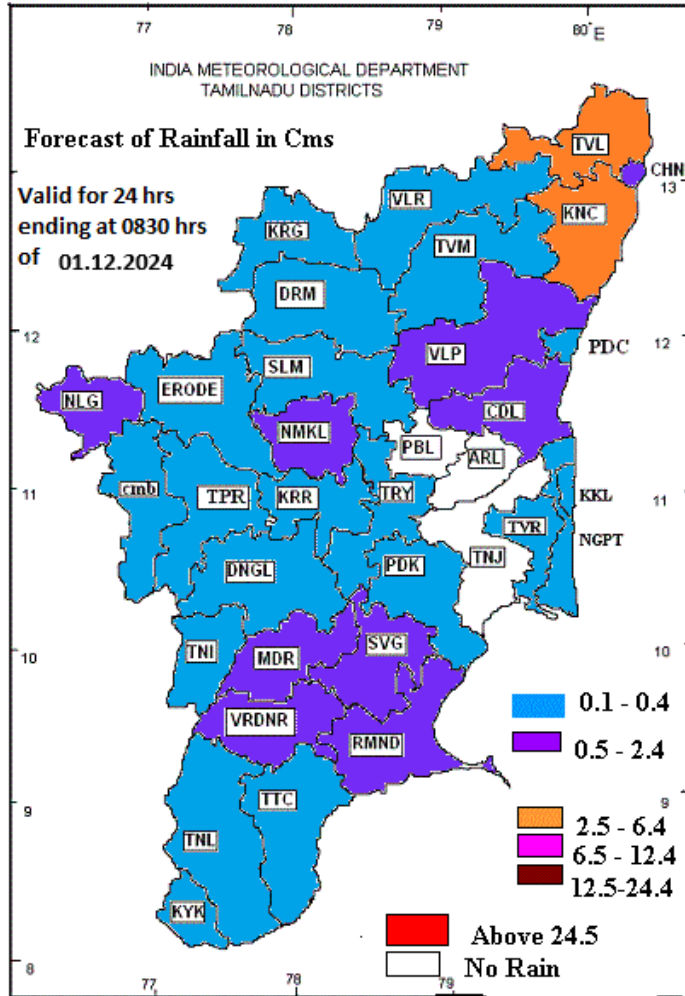
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## District-wise Agromet Advisories

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

#### SMS Advisory:

(27.11.2024-01.12.2024) Heavy to very heavy rain is likely to occur at isolated places over Chennai, Tiruvallur, Kancheepuram, Chengalpattu, Villuppuram, Cuddalore, Kallakurichi, Ranipet and Tiruvannamalai district of Tamil Nadu.

#### 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 shock
- 5.The breeding materials of pen must be maintained damp free
- 6.The carcasses must be disposed off sufficing the preventive measures
- 7.Since stagnated water may predispose to water borne diseases, care must be exercised to clean and disinfect them.
- 8.To avoid pneumonia in calves and kids prevent them from drenching in rain water
- 9.To prevent the ammonia accumulation there must be in the pig house, good ventilation
- 10.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 postpone 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 banana trees.

## Coimbatore

### 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 4 – 14 kmph in Western zone districts. Light rainfall is expected. Provide the irrigation based on soil moisture.
Rice	Vegetative	Weather conditions are favourable for Bacterial Leaf Blight (BLB) and Blast incidence in rice. Farmers are requested to monitor the crop carefully and spray during non-rainy days with Azoxytropin @ 1ml / litre for blast Streptomycin sulphate + Tetracyclin @ 500 ppm for the BLB.
Maize	Tasseling	By utilizing the rainfall, top dressing with urea @100kg/ha and 30kg/ha is recommended for maize at tasseling stage. Prevailing weather is favourable for leaf blight in maize. To control spray Propiconazole 25 EC @ 1ml lit of water.
Vegetables	Flowering	Present weather with moderate temperature and high morning and afternoon RH favours disease spread in vegetables. Provide prophylactic spray with Mazcozeb @ 1g/lit of water.
Turmeric	Rhizome development	Turmeric is at bulking stage, which is critical for both moisture stress and excess water. Hence, provide adequate drainage to avoid excess moisture. With cloudy weather and continuous rainfall, micro nutrient deficiency may appear in irrigated turmeric. Dissolve 15 kg super phosphate in 25 litres of water, store it overnight and the supernated solution may be made into 250 litres. In that, mix 375g each of Feso <sub>4</sub> , Znso <sub>4</sub> , Borax and Urea and spray twice at 25 days interval. If rhizome rot incidence noticed drench with Metalazyl + Mancozeb @ 2 gram / liter.
Rose	Flowering	The anticipated weather, especially low minimum temperature may cause powdery mildew in roses. Spray wettable sulphur @ 2g/lit of water.
Coconut		Considering the less rain days, inward trench around the coconut trees may be prepared to harvest forthcoming rains in to the root zone. This is best time for second does application of fertilizer to coconut at 650 g urea + 1 kg super phosphate + 1 kg muriate of potash / tree. For young trees, bud rot may occur, drench the crown region with copper oxychloride @ 2gram / liter.
Animal Husbandry		Animals may suffer with thirst for water due to low temperature and high RH. Provide adequate clean drinking water to the animals. High calories feed may be given to animals and poultry to avoid low temperature stress.

		Considering the wet spell animals may be given vaccination against foot and mouth disease if not given earlier. Also provide drainage to cattle and poultry sheds.
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SMS advisory:

Prevailing weather is favourable for leaf blight in maize. To control spray Propiconazole 25 EC @ 1ml lit of water.

## 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 4 – 14 kmph in Western zone districts. Light rainfall is expected. Provide the irrigation based on soil moisture.
Rice	Vegetative	Weather conditions are favourable for Bacterial Leaf Blight (BLB) and Blast incidence in rice. Farmers are requested to monitor the crop carefully and spray during non-rainy days with Azoxytropin @ 1ml / litre for blast Streptomycin sulphate + Tetracyclin @ 500 ppm for the BLB.
Maize	Tasseling	By utilizing the rainfall, top dressing with urea @100kg/ha and 30kg/ha is recommended for maize at tasseling stage. Prevailing weather is favourable for leaf blight in maize. To control spray Propiconazole 25 EC @ 1ml lit of water.
Vegetables	Flowering	Present weather with moderate temperature and high morning and afternoon RH favours disease spread in vegetables. Provide prophylactic spray with Mazcozeb @ 1g/lit of water.
Turmeric	Rhizome development	Turmeric is at bulking stage, which is critical for both moisture stress and excess water. Hence, provide adequate drainage to avoid excess moisture. With cloudy weather and continuous rainfall, micro nutrient deficiency may appear in irrigated turmeric. Dissolve 15 kg super phosphate in 25 litres of water, store it overnight and the supernated solution may be made into 250 litres. In that, mix 375g each of Feso <sub>4</sub> , Znso <sub>4</sub> , Borax and Urea and spray twice at 25 days interval. If rhizome rot incidence noticed drench with Metalazyl + Mancozeb @ 2 gram / liter.
Rose	Flowering	The anticipated weather, especially low minimum temperature may cause powdery mildew in roses. Spray wettable sulphur @ 2g/lit of water.
Coconut		Considering the less rain days, inward trench around the coconut trees may be prepared to harvest forthcoming rains in to the root zone. This is best time for second does application of fertilizer to coconut at 650 g urea + 1 kg super phosphate + 1 kg muriate of potash / tree. For young trees, bud rot may occur, drench the crown region with copper oxychloride @ 2gram / liter.
Animal Husbandry		Animals may suffer with thirst for water due to low temperature and high RH. Provide adequate clean drinking water to the animals. High calories feed may be given to animals and poultry to avoid low temperature stress. Considering the wet spell animals may be given vaccination against foot and mouth disease if not given earlier. Also provide drainage to cattle and

		poultry sheds.
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SMS advisory:

Prevailing weather is favourable for leaf blight in maize. To control spray Propiconazole 25 EC @ 1ml lit of water.

## 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 4 – 14 kmph in Western zone districts. Light rainfall is expected. Provide the irrigation based on soil moisture.
Rice	Vegetative	Weather conditions are favourable for Bacterial Leaf Blight (BLB) and Blast incidence in rice. Farmers are requested to monitor the crop carefully and spray during non-rainy days with Azoxystrobin @ 1ml / litre for blast Streptomycin sulphate + Tetracyclin @ 500 ppm for the BLB.
Maize	Tasseling	By utilizing the rainfall, top dressing with urea @100kg/ha and 30kg/ha is recommended for maize at tasseling stage. Prevailing weather is favourable for leaf blight in maize. To control spray Propiconazole 25 EC @ 1ml lit of water.
Vegetables	Flowering	Present weather with moderate temperature and high morning and afternoon RH favours disease spread in vegetables. Provide prophylactic spray with Mazcozeb @ 1g/lit of water.
Rose	Flowering	The anticipated weather, especially low minimum temperature may cause powdery mildew in roses. Spray wettable sulphur @ 2g/lit of water.
Coconut		Considering the less rain days, inward trench around the coconut trees may be prepared to harvest forthcoming rains in to the root zone. This is best time for second does application of fertilizer to coconut at 650 g urea + 1 kg super phosphate + 1 kg muriate of potash / tree. For young trees, bud rot may occur, drench the crown region with copper oxychloride @ 2gram / liter.
Animal Husbandry		Animals may suffer with thirst for water due to low temperature and high RH. Provide adequate clean drinking water to the animals. High calories feed may be given to animals and poultry to avoid low temperature stress. Considering the wet spell animals may be given vaccination against foot and mouth disease if not given earlier. Also provide drainage to cattle and poultry sheds.

SMS advisory:

Prevailing weather is favourable for leaf blight in maize. To control spray Propiconazole 25 EC @ 1ml lit of water.

## Nilgiris

Management of seedborne diseases: Seeds can be treated with *Trichoderma asperellum* @ 4g/kg or *Bacillus subtilis* @ 10g/kg to manage seed-borne pathogens. Further, soil testing has to be done before any cropping programme.

To manage late blight in potato crops, Foliar spray of mancozeb @ 2 g/l or chlorothalonil @ 2 g/l on 45, 60 and 75 days after planting is recommended during the rain free period.

Horticulture (Stage)	Horticulture Specific Advisory
CARROT	Rust fly management in carrot: Soil application of chlorantraniliprole granules insecticide @ 4kg/acre at 45 – 50 days after sowing may be given during rain free period.
TEA	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 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
CHILLI	Integrated disease management strategies for the management of virus diseases in vegetables: • Select disease free seeds • Follow crop rotation • Collect and destroy the virus affected plants • Nursery beds should be covered with nylon net or straw • Raise 2-3 rows of maize or sorghum as border crop • Install sticky traps (blue& yellow) @ 5 nos/acre. • If necessary, spray the crop with systemic insecticides, Dimethoate @ 2.0 ml/litre (or) Thiamethoxam @ 0.2 ml/litre (or) Imidacloprid @ 0.2 ml/litre of water using hand sprayer during the rain free period.

## Dindigul

SMS Advisory	Chances of Rather heavy rain on 27 Nov. Moderate rain on 28 Nov & light rain during the next three days. Maximum temperature would be in the range of 26°C to 29°C and the minimum temperature would be between 21°C - 24°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 6-16 Kmph from, Northwest & West directions.
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General Advisory:

Extended range Forecast for next week (29th November to 05th December 2024):

Rainfall:

As per extended range predictions, there is possibility of above normal rainfall likely over the district during 29th to 05th December 2024.

Maximum Temperature:

Maximum temperatures are likely to be generally near normal and are likely to be in the range 26°C to 28°C over the plains of the district during next week. 29th to 05th December 2024.

**Minimum Temperature:**

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 18°C to 22°C over the district during next week 29th to 05th December 2024.

Since cloudy humid weather is prevailing, farmers are advised to use the yellow sticky trap @ 10-15/acre to monitor the incidence of sucking pests and Blue sticky trap @ 5-10/acre to monitor the aphids and leaf miner.

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

**Weather Based Agro-Advisories: (Onion, Ridge gourd & Animal Husbandry)**

**Onion:**

Prevailing wet condition due to the rainfall may lead to incidence of Colletotrichum blight or twister disease in small onion (sambar onion) crop.

To control this, mix Trichoderma Harzianum or Paecilomyces in 200 litres of water per acre and drench it directly to each bed in the field.

Similarly, spray Trichoderma Viride, Bacillus Subtilus and Pseudomonas each @ 50ml (150ml in total) with 10 litres of water.

Drench any of the bio-fungicides @ 1 litre per acre, in 5 to 7days interval throughout the crop period.

Foliar spray of bio-fungicides @ 50ml per 10 litre of water can be given. This will give good yield for the onions.

Drenching the crop with necessary nutrients at regular intervals in the interim period is also advisable.

Crop protection activities such as application of fertilizers and spraying of pesticides should be carried out only on non-rainy days.

**Ridge gourd:**

In gourd crops, at this flowering stage, to get more flowers and fruit set, apply Ethrel @ 200 ppm for ridge gourd and 100 ppm for all other gourd vegetables.

Two sprays can be given at weekly intervals.

Crop protection activities such as application of fertilizers and spraying of pesticides should be carried out only on non-rainy days.

**Animal Husbandry:**

To prevent cattle from Foot and mouth disease (FMD), farmers are advised to get the support of the local veterinarian to vaccinate their cattle during the 8th, 12th & 16th week of its age and then once every 4th month.

## Madurai

SMS Advisory	Chances of Rather heavy e rain on 28 Nov & Moderate rain during the next four days. Maximum temperature would be in the range of 26°C to 29°C and the minimum temperature would be between 21°C - 24°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 4-16 Kmph from, Northwest & Southwest directions.
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General Advisory:

Extended range Forecast for next week (29th November to 05th December 2024):

Rainfall:

As per extended range predictions, there is possibility of above normal rainfall likely over the district during 29th to 05th December 2024.

Maximum Temperature:

Maximum temperatures are likely to be generally near normal and are likely to be in the range 26°C to 28°C over the plains of the district during next week. 29th to 05th December 2024.

Minimum Temperature:

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 18°C to 22°C over the district during next week 29th to 05th December 2024.

Since cloudy humid weather is prevailing, farmers are advised to use the yellow sticky trap @ 10-15/acre to monitor the incidence of sucking pests and Blue sticky trap @ 5-10/acre to monitor the aphids and leaf miner.

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

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

Paddy:

The incense of Brown Spot disease expected in Paddy. The disease appears first as minute brown dots later becoming cylindrical or oval to circular on leaves. Spots coalesce to form large patches leading to the leaf drying up.

Infection also occurs on the panicle and neck with a brown color appearance.

To control spray Metominostrobin @ 500ml /acre.



Crop protection activities such as application of fertilizers and spraying of pesticides should be carried out only on non-rainy days.

**Cotton:**

Because of the cloudy wet condition, the incense of sucking pests can be seen in Cotton, the symptoms are leaves curling upwards and appearing yellow colour and the growth of the plant will also be affected due to this.

To control this, a foliar spray of 10gms of Metarhizium and 10gms of Verticelium per litre of water is recommended.

Crop protection activities such as application of fertilizers and spraying of pesticides should be carried out only on non-rainy days.

Place five yellow sticky traps at a height of half a foot above the crop height with 5 to 10-metre gap.

**Animal Husbandry:**

To prevent cattle from Foot and mouth disease (FMD), farmers are advised to get the support of the local veterinarian to vaccinate their cattle during the 8th, 12th & 16th week of its age and then once every 4th month.

## Pudukottai

SMS Advisory	Chances of very heavy rain on 27, 28 Nov & Moderate rain on 29, 30 Nov. Maximum temperature would be in the range of 24°C to 28°C and the minimum temperature would be between 19°C - 23°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 8-30 Kmph from, Northwest & Southwest directions.
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**General Advisory:**

Extended range Forecast for next week (29th November to 05th December 2024:

**Rainfall:**

As per extended range predictions, there is possibility of above normal rainfall likely over the district during 29th to 05th December 2024.

**Maximum Temperature:**

Maximum temperatures are likely to be generally near normal and are likely to be in the range 28°C to 32°C over the Coastal of the district during next week. 29th to 05th December 2024.

**Minimum Temperature:**

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 22°C to 26°C over the district during next week 29th to 05th December 2024.

**Heavy Rainfall Warning:**

Heavy to very heavy rain is likely to occur at isolated places over the district on 27 & 28 November 2024. 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, inter-cultural 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 graze outside, standing near the trees or electric poles & provide safe shelter.

Wind with the speed of 8 to 30 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.

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.

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

Cotton:

Cotton crops grown in clayey soils are more susceptible to wilt disease. This disease attacks the crop during the young and growing stages.

The leaves at the base of the grown plant will begin to wilt first. If you split the affected stem, you will see dark streaks.

To control this, the drench Azoxystrobin @ 10ml per tank with Copper oxychloride @ 35ms per tank.

Crop protection activities such as application of fertilizers and spraying of pesticides should be carried out only on non-rainy days.

Tomato:

The incidence of Early Blight is noticed in Tomato. This is a common disease of tomatoes occurring on the foliage at any stage of growth.

The fungus attacks the foliage causing characteristic leaf spots and blight. Blight is first observed on the plants as small, black lesions mostly on the older foliage. Lesions on the stems are similar to those on leaves, which also infects the fruit. Lesions usually involve nearly the entire fruit.

Remove and destroy the crop debris.

To control foliar spray Difenoconazole @ 15ml with 10 litres of water.

Crop protection activities such as application of fertilizers and spraying of pesticides should be carried out only on non-rainy days.

Animal Husbandry:

To prevent cattle from Foot and mouth disease (FMD), farmers are advised to get the support of the local veterinarian to vaccinate their cattle during the 8th, 12th & 16th week of its age and then once every 4th month.

## Ramanathapuram

SMS Advisory	Chances of very heavy rain on 27 Nov. Rather heavy rain on 28 Nov & Moderate rain on 29 Nov, 1 Dec. Maximum temperature would be in the range of 24°C to 28°C and the minimum temperature would be between 21°C - 24°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 8-26 Kmph from, Northwest & Southwest directions.
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### General Advisory:

Extended range Forecast for next week (29th November to 05th December 2024):

### Rainfall:

As per extended range predictions, there is possibility of above normal rainfall likely over the district during 29th to 05th December 2024.

### Maximum Temperature:

Maximum temperatures are likely to be generally near normal and are likely to be in the range 28°C to 32°C over the Coastal of the district during next week. 29th to 05th December 2024.

### Minimum Temperature:

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 22°C to 26°C over the district during next week 29th to 05th December 2024.

### Heavy Rainfall Warning:

Heavy to very heavy rain 27 Nov & Heavy rain is likely to occur at isolated places over the district on 28 November 2024. 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.

Wind with the speed of 8 to 26 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.

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.

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

#### Cotton:

Due to frequent rains, root rot disease was reported in cotton fields. To prevent this, provide proper drainage facilities in the fields.

Also, soil drenching of bio-agents *Bacillus subtilis* + *Trichoderma viride* each 2 gram/litre of water can give good result.

By chemical method, soil drenching of systemic fungicide Tebuconazole or Difenoconazole @ 2 gram/litre of water may be undertaken to control root rot disease in cotton.

Crop protection activities such as application of fertilizers and spraying of pesticides should be carried out only on non-rainy days.

**Paddy:**

The incense of Bacterial Leaf Blight may be noticed in the paddy during the 3rd to 4th week of planting. The symptoms are seedling wilt. Lesions turn yellow to white as the disease advances.

To avoid this, treat the seeds with the bio-input *Pseudomonas* mixed with rice gruel.

Spray any one of the following, (starting from the initial appearance of the disease and another one at a fortnight interval) Neem oil 60 EC @ 3% (or) NSKE @ 5% (or) fresh cow dung extract @ 20% twice to control the sheath rot, sheath blight, grain discolouration, and bacterial blight.

Crop protection activities such as application of fertilizers and spraying of pesticides should be carried out only on non-rainy days.

**Animal Husbandry:**

To prevent cattle from Foot and mouth disease (FMD), farmers are advised to get the support of the local veterinarian to vaccinate their cattle during the 8th, 12th & 16th week of its age and then once every 4th month.

## Sivagangai

SMS Advisory	Chances of very heavy rain on 27 Nov. Rather heavy e rain on 28 Nov & Moderate rain during the next three days. Maximum temperature would be in the range of 26°C to 29°C and the minimum temperature would be between 21°C - 24°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 6-24 Kmph from, Northwest, Southwest & Northeast directions.
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**General Advisory:**

Extended range Forecast for next week (29th November to 05th December 2024):

**Rainfall:**

As per extended range predictions, there is possibility of above normal rainfall likely over the district during 29th to 05th December 2024.

**Maximum Temperature:**

Maximum temperatures are likely to be generally near normal and are likely to be in the range 26°C to 28°C over the plains of the district during next week. 29th to 05th December 2024.

**Minimum Temperature:**

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 18°C to 22°C over the district during next week 29th to 05th December 2024.

**Heavy Rainfall Warning:**

Heavy to very heavy rain 27 Nov & Heavy rain is likely to occur at isolated places over the district on 28 November 2024. 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.

Wind with the speed of 6 to 24 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.

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.

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

**Cotton:**

For the Cotton crop, if basal application was not given or cannot be done, fertilizer can be applied on the 25th day after sowing.

For varieties, apply 50% of N and K with a full dose of P as basal and the remaining 50% N and K at 40–45th DAS for varieties.

For hybrids, apply N in three splits viz., basal, 45, and 65 DAS.

Foliar applications of 2% DAP + 1% KCl or Polyfeed and Multi K can be sprayed to improve the yield.

Crop protection activities such as application of fertilizers and spraying of pesticides should be carried out only on non-rainy days.

**Sugarcane:**

Micronutrient deficiency symptoms can be noticed in sugarcane crops.

To alleviate the micronutrient deficiency as well as to improve the yield of ratoon sugarcane, foliar spraying of Sugarcane booster @ 1kg/acre at the time of 45 days after planting, and 1.5kg/acre at the time of 60 days after planting and @ 2kg/acre at the time of 75 days after planting is recommended. Mix the booster with 200 litres of water along with the sticking agent.

Crop protection activities such as application of fertilizers and spraying of pesticides should be carried out only on non-rainy days.

**Animal Husbandry:**

To prevent cattle from Foot and mouth disease (FMD), farmers are advised to get the support of the local veterinarian to vaccinate their cattle during the 8th, 12th & 16th week of its age and then once every 4th month.

## Theni

SMS Advisory	Chances of Moderate rain 27 Nov & light during the next three days. Maximum temperature would be in the range of 23°C to 25°C and the minimum temperature would be between 20°C - 22°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 4-6 Kmph from, Northwest, Southwest & West directions.
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### General Advisory:

Extended range Forecast for next week (29th November to 05th December 2024):

#### Rainfall:

As per extended range predictions, there is possibility of above normal rainfall likely over the district during 29th to 05th December 2024.

#### Maximum Temperature:

Maximum temperatures are likely to be generally near normal and are likely to be in the range 26°C to 28°C over the plains of the district during next week. 29th to 05th December 2024.

#### Minimum Temperature:

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 18°C to 22°C over the district during next week 29th to 05th December 2024.

Since cloudy humid weather is prevailing, farmers are advised to use the yellow sticky trap @ 10-15/acre to monitor the incidence of sucking pests and Blue sticky trap @ 5-10/acre to monitor the aphids and leaf miner.

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

#### Banana:

To increase the yield in Bananas crop, farmers are advised to go with a foliar spray of Banana Shakthi @ 20 grams/litre of water along with lemon juice.

Spraying can be given during the 3rd, 5th and 7th months after planting.

Crop protection activities such as application of fertilizers and spraying of pesticides should be carried out only on non-rainy days.

#### Tapioca:

The Symptom of micronutrient deficiency is noticed in Tapioca fields. Leaves turning into pale yellow colour is the main symptom of that.

Hence, farmers are advised to go with the foliar spray of micronutrient "Tapioca special" @ 5ml/litre of water during the morning or evening hours.

Crop protection activities such as application of fertilizers and spraying of pesticides should be carried out only on non-rainy days.

**Animal Husbandry:**

To prevent cattle from Foot and mouth disease (FMD), farmers are advised to get the support of the local veterinarian to vaccinate their cattle during the 8th, 12th & 16th week of its age and then once every 4th month.

## Salem

### WEATHER ADVISORY BULLETIN FOR LIVESTOCK, POULTRY AND AGRICULTURE

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	Due to the prevailing cold weather condition, cattle rearers are advised to allow the cattle for grazing only after 2 hrs of sunrise to avoid fluke infestation. To prevent the infestation of pneumonia and rhinitis of calves and kids they should be protected against cold drafts. The side wall of young livestock must be shielded with gunny bag to prevent cold draft attack. The top sand (10 cm) of goat house must be replaced with new sand in every six month so as to prevent parasitic attack. To prevent mosquito menace in livestock rearing areas fumigation with vitex negundo (notchi leaves) leaves weekly once is recommended.
Poultry	General	As the temperatures will be very low in Namakkal in the coming weeks, brooder chicks should be provided with correct range of temperature. Higher or lower temperature will not support growth as per standard. This should be checked every day and ensuring proper temperatures will lead to uniformity in growth and reduce mortality. This is very important until 4 weeks of age, as it will lead to standard egg production. Further, to encourage chicks to drink sufficient water, warm water may be provided at least once in the morning which encourages more feed intake and uniformity in body weight.
Agro advisory from Krishi Vigyan Kendra, Namakkal		
Groundnut	Flowering & Pod Formation stage	Farmers are advised to give foliar spraying with Groundnut Rich @ 2 kg per acre in 200 litres of water along with sticking agent at the time of flowering and pod formation stage to increase the yield.
Black gram and Green Gram	Flowering Stage	Black gram and green gram growers are requested give foliar spraying with Pulse Wonder @ 2 kg per acre of field in 200 litres of water at the time of flowering stage to increase the yield.
Banana	Vegetative Stage	Farmers are requested to apply Banana Shakthi @ 2 kg per acre in 200 litres of water at 3, 5 and 7 month after planting to increase the yield of banana.
Vegetable crops	Flowering and Fruiting stage	Vegetables growers are requested to give foliar spraying with Vegetable Booster @ 5 g / litre of water along with sticking agent thrice at 15 days interval in order to increase the flowering and fruiting aspect of the crops.

## Namakkal

### WEATHER ADVISORY BULLETIN FOR LIVESTOCK, POULTRY AND AGRICULTURE

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	Due to the prevailing cold weather condition, cattle rearers are advised to allow the cattle for grazing only after 2 hrs of sunrise to avoid fluke infestation. To prevent the infestation of pneumonia and rhinitis of calves and kids they should be protected against cold drafts. The side wall of young livestock must be shielded with gunny bag to prevent cold draft attack. The top sand (10 cm) of goat house must be replaced with new sand in every six month so as to prevent parasitic attack. To prevent mosquito menace in livestock rearing areas fumigation with vitex negundo (notchi leaves) leaves weekly once is recommended.
Poultry	General	As the temperatures will be very low in Namakkal in the coming weeks, brooder chicks should be provided with correct range of temperature. Higher or lower temperature will not support growth as per standard. This should be checked every day and ensuring proper temperatures will lead to uniformity in growth and reduce mortality. This is very important until 4 weeks of age, as it will lead to standard egg production. Further, to encourage chicks to drink sufficient water, warm water may be provided at least once in the morning which encourages more feed intake and uniformity in body weight.
Agro advisory from Krishi Vigyan Kendra, Namakkal		
Groundnut	Flowering & Pod Formation stage	Farmers are advised to give foliar spraying with Groundnut Rich @ 2 kg per acre in 200 litres of water along with sticking agent at the time of flowering and pod formation stage to increase the yield.
Black gram and Green Gram	Flowering Stage	Black gram and green gram growers are requested give foliar spraying with Pulse Wonder @ 2 kg per acre of field in 200 litres of water at the time of flowering stage to increase the yield.
Banana	Vegetative Stage	Farmers are requested to apply Banana Shakthi @ 2 kg per acre in 200 litres of water at 3, 5 and 7 month after planting to increase the yield of banana.
Vegetable crops	Flowering and Fruiting stage	Vegetables growers are requested to give foliar spraying with Vegetable Booster @ 5 g / litre of water along with sticking agent thrice at 15 days interval in order to increase the flowering and fruiting aspect of the crops.

## Dharmapuri

### WEATHER ADVISORY BULLETIN FOR LIVESTOCK, POULTRY AND AGRICULTURE

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	Due to the prevailing cold weather condition, cattle rearers are advised to allow the cattle for grazing only after 2 hrs of sunrise to avoid fluke infestation. To prevent the infestation of pneumonia and rhinitis of calves and kids they should be protected against cold drafts. The side wall of young livestock must be shielded with gunny bag to prevent cold draft attack. The top sand (10 cm) of goat house



		must be replaced with new sand in every six month so as to prevent parasitic attack. To prevent mosquito menace in livestock rearing areas fumigation with vitex negundo (notchi leaves) leaves weekly once is recommended.
Poultry	General	As the temperatures will be very low in Namakkal in the coming weeks, brooder chicks should be provided with correct range of temperature. Higher or lower temperature will not support growth as per standard. This should be checked every day and ensuring proper temperatures will lead to uniformity in growth and reduce mortality. This is very important until 4 weeks of age, as it will lead to standard egg production. Further, to encourage chicks to drink sufficient water, warm water may be provided at least once in the morning which encourages more feed intake and uniformity in body weight.
Agro advisory from Krishi Vigyan Kendra, Namakkal		
Groundnut	Flowering & Pod Formation stage	Farmers are advised to give foliar spraying with Groundnut Rich @ 2 kg per acre in 200 litres of water along with sticking agent at the time of flowering and pod formation stage to increase the yield.
Black gram and Green Gram	Flowering Stage	Black gram and green gram growers are requested give foliar spraying with Pulse Wonder @ 2 kg per acre of field in 200 litres of water at the time of flowering stage to increase the yield.
Banana	Vegetative Stage	Farmers are requested to apply Banana Shakthi @ 2 kg per acre in 200 litres of water at 3, 5 and 7 month after planting to increase the yield of banana.
Vegetable crops	Flowering and Fruiting stage	Vegetables growers are requested to give foliar spraying with Vegetable Booster @ 5 g / litre of water along with sticking agent thrice at 15 days interval in order to increase the flowering and fruiting aspect of the crops.

## Krishnagiri

### WEATHER ADVISORY BULLETIN FOR LIVESTOCK, POULTRY AND AGRICULTURE

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	Due to the prevailing cold weather condition, cattle rearers are advised to allow the cattle for grazing only after 2 hrs of sunrise to avoid fluke infestation. To prevent the infestation of pneumonia and rhinitis of calves and kids they should be protected against cold drafts. The side wall of young livestock must be shielded with gunny bag to prevent cold draft attack. The top sand (10 cm) of goat house must be replaced with new sand in every six month so as to prevent parasitic attack. To prevent mosquito menace in livestock rearing areas fumigation with vitex negundo (notchi leaves) leaves weekly once is recommended.
Poultry	General	As the temperatures will be very low in Namakkal in the coming weeks, brooder chicks should be provided with correct range of temperature. Higher or lower temperature will not support growth as per standard. This should be checked every day and ensuring proper temperatures will lead to uniformity in growth and reduce mortality. This is very important until 4 weeks of age, as it will lead to standard egg production. Further, to encourage chicks to drink sufficient water, warm water may be provided at least once in the morning which encourages more feed intake and uniformity in body weight.

Agro advisory from Krishi Vigyan Kendra, Namakkal		
Groundnut	Flowering & Pod Formation stage	Farmers are advised to give foliar spraying with Groundnut Rich @ 2 kg per acre in 200 litres of water along with sticking agent at the time of flowering and pod formation stage to increase the yield.
Black gram and Green Gram	Flowering Stage	Black gram and green gram growers are requested give foliar spraying with Pulse Wonder @ 2 kg per acre of field in 200 litres of water at the time of flowering stage to increase the yield.
Banana	Vegetative Stage	Farmers are requested to apply Banana Shakthi @ 2 kg per acre in 200 litres of water at 3, 5 and 7 month after planting to increase the yield of banana.
Vegetable crops	Flowering and Fruiting stage	Vegetables growers are requested to give foliar spraying with Vegetable Booster @ 5 g / litre of water along with sticking agent thrice at 15 days interval in order to increase the flowering and fruiting aspect of the crops.

## Karaikal

### Agro Advisory

Crop	Possible damage due to Heavy Rains	Advisory
Paddy (Nursery, seedling and tillering stage)	Poor aeration, rotting and lodging of crops	Maintain proper drainage in the field to avoid water logging in fields.  Avoid application of fertilizers and pesticides in heavy rainfall.
Banana	Lodging of crops	Maintain proper drainage in the field to avoid water logging in fields. Provide support with wooden poles to avoid lodging. Avoid application of fertilizers and pesticides in heavy rainfall.
Vegetables (gourds, Bhendi, Brinjal, greens Chillies)	Poor aeration and rotting	Maintain proper drainage in the field to avoid water logging in fields.  Avoid application of fertilizers and pesticides in heavy rainfall.
Livestock	In these rainy days, livestock feed may be stored in dry place to avoid aflatoxin problem.	
Goat	During rainy days, goats may be affected with viral enteritis. As and when diarrhoea is noticed, immediate treatment should be done at the veterinary dispensary and do not allow the goats to graze outside.	
Poultry	Poultry birds reared in deep litter system should avoid dampness in litter material to avoid coccidiosis. If dampness is observed, replace it with fresh litter material or apply 5 kg of lime powder per 100 sq ft area.	

SMS: Provide drainage to all crops as very heavy rain is expected for next few days.

## Puducherry

### Agro Advisory

Crop	Possible damage due to Heavy Rains	Advisory
Paddy (Nursery, seedling and tillering stage)	Poor aeration, rotting and lodging of crops	Maintain proper drainage in the field to avoid water logging in fields.  Avoid application of fertilizers and pesticides in heavy rainfall.
Banana	Lodging of crops	Maintain proper drainage in the field to avoid water logging in fields. Provide support with wooden poles to avoid lodging. Avoid application of fertilizers and pesticides in heavy rainfall.
Vegetables (gourds, Bhendi, Brinjal, greens, Chillies)	Poor aeration and rotting	Maintain proper drainage in the field to avoid water logging in fields.  Avoid application of fertilizers and pesticides in heavy rainfall.
Livestock	In these rainy days, livestock feed may be stored in dry place to avoid aflatoxin problem.	
Goat	During rainy days, goats may be affected with viral enteritis. As and when diarrhoea is noticed, immediate treatment should be done at the veterinary dispensary and do not allow the goats to graze outside.	
Poultry	Poultry birds reared in deep litter system should avoid dampness in litter material to avoid coccidiosis. If dampness is observed, replace it with fresh litter material or apply 5 kg of lime powder per 100 sq ft area.	

SMS: Provide drainage to all crops as very heavy rain is expected for next few days.

