



## **DISTRICT LEVEL**

# **Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 072 /2015**

For the period 0830 IST, 08<sup>th</sup> September 2015 to  
0830 IST 11<sup>th</sup> September 2015

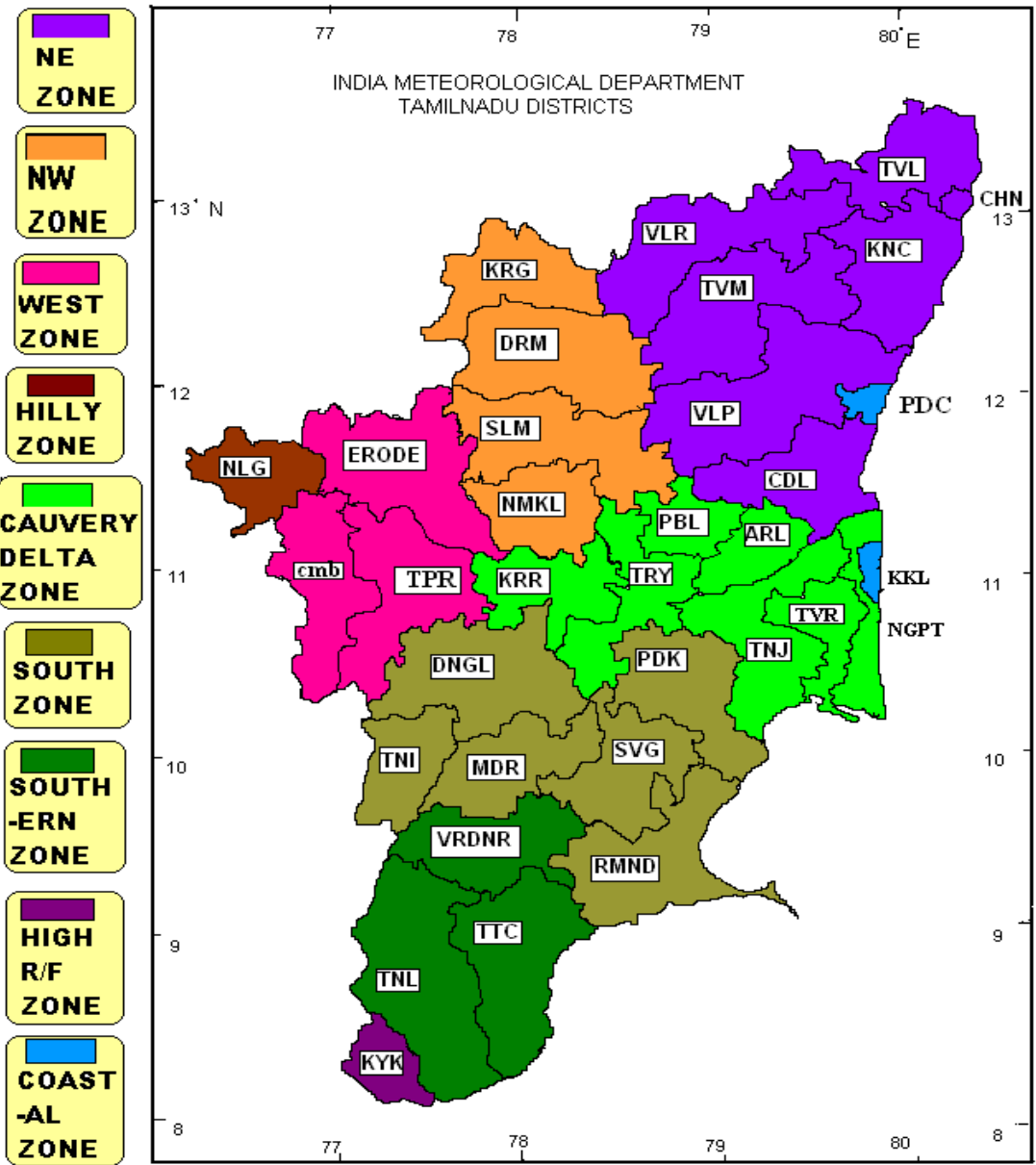
**Issued on Tuesday, 08<sup>th</sup> September 2015**

**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, Tiuppur and Coimbatore,	Coimbatore,
4	Cauvery Delta zone	Thanjavur, Nagapattinam, Thiruvarur, Karur, Perambalur, Ariyalur and Tiruchirapalli.	Adudurai
5	Southern zone	Virudhunagar, Tirunelveli and Toothugudi	Kovilpatti
6	South Zone	Pudukottai, 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 04.09.15 to 07.09.15 for the**

**State of Tamilnadu & Puducherry**

**Temperature:**

Maximum Temperature of range 28°C – 37°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 18°C –21°C during the period.

Minimum temperature of range 22°C - 28°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 11°C - 13°C during the same period.

### Spatial distribution of Rainfall

Spatial distribution of Rainfall	Date	Area
Widespread (Most places)	--	--
Fairly widespread (Many places)	--	--
Scattered (Few Places)	05.09.15 06.09.15 07.09.15	Tamilnadu Puducherry NorthTamilnadu
Isolated (Isolated Places)	04.09.15 &, 06.09.15 07.09.15	Tamilnadu SouthTamilnadu
Dry	04.09.15 , 05.09.15 & 07.09.15	Puducherry

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

04.09.15 : Vendasandur (Dindigul Dist) 7, Aravakurichi (Karur Dist) 6, Dharapuram (Tiruppur Dist) 5, Coonoor pto (Nilgiris Dist) 4, Kamudhi (Ramanathapuram Dist), Satankulam (Toothukudi Dist), Kamudhi arg (Ramanathapuram Dist), Mangalapuram (Namakkal Dist), Rayakottah (Krishnagiri Dist), Kumarapalayam (Namakkal Dist), Coonoor (Nilgiris Dist), K bridge (Nilgiris Dist) 3 each, Kodaikanal (Dindigul Dist), Periyakulam AWS (Theni Dist), Valparai taluk office (Coimbatore Dist), Kayathar arg (Toothukudi Dist), Kovilankulam (Virudhunagar Dist) 2 each, Alangudi (Pudukkottai Dist), Sankaridurg (Salem Dist), Sathyamangalam (Erode Dist), Rajapalayam (Virudhunagar Dist),

Mettupalayam (Coimbatore Dist), Periyar (Theni Dist), SenDamangalam (Namakkal Dist), Valparai pto (Coimbatore Dist), Dindigul (Dindigul Dist), Kamatchipuram (Dindigul Dist), Aruppukottai (Virudhunagar Dist), Chinnakalar (Coimbatore Dist), Mulanur (Tiruppur Dist), Arantangi (Pudukkottai Dist), Uthagamandalam (Nilgiris Dist), Devakottai (Sivaganga Dist), Kothagiri (Nilgiris Dist) 1 each.

05.09.15 : Aranmanaipudur (Theni Dist) 9, Mangalapuram (Namakkal Dist), Valparai taluk office (Coimbatore Dist), Chinnakalar (Coimbatore Dist) 7 each, Bhavani (Erode Dist), Ilayangudi (Sivaganga Dist), SenDamangalam (Namakkal Dist) 6 each, Attur (Salem Dist), Thathiengrpet (Trichy Dist), Madukkur (Thanjavur Dist) 5 each, Thuraiyur (Trichy Dist), Erode (Erode Dist), Denkanikottai (Krishnagiri Dist), Naduvattam (Nilgiris Dist) 4 each, Aravakurichi (Karur Dist), Valparai pto (Coimbatore Dist), Rasipuram (Namakkal Dist), Musiri (Trichy Dist) 3 each, Venbavur (Perambalur Dist), Mettur (Salem Dist), Thiruchuzhi (Virudhunagar Dist), Usilampatti (Madurai Dist), Lower kothaiyar arg (Kanyakumari Dist), Vazhapadi (Salem Dist), Mannargudi (Tiruvarur Dist), Periyar (Theni Dist), Chettikulam (Perambalur Dist), Mettupatti (Madurai Dist), Padalur (Perambalur Dist), Natham (Dindigul Dist), Yercaud (Salem Dist), Thammampatty (Salem Dist), Arantangi (Pudukkottai Dist) 2 each, Thali (Krishnagiri Dist), Kumarapalayam (Namakkal Dist), Thenkasi (Tirunelveli Dist), K bridge (Nilgiris Dist), Srivaikuntam (Toothukudi Dist), Pattukottai (Thanjavur Dist), Coonoor (Nilgiris Dist), Hosur (Krishnagiri Dist), Perambalur (Perambalur Dist), Namakkal (Namakkal Dist), Kulithalai (Karur Dist), Chittampatti (Madurai Dist), Devala (Nilgiris Dist), Coonoor pto (Nilgiris Dist), Omalur (Salem Dist), Adirampatnam (Thanjavur Dist), Panchapatti (Karur Dist), Kanyakumari (Kanyakumari Dist), Bodinayakanur arg (Theni Dist) 1 each.

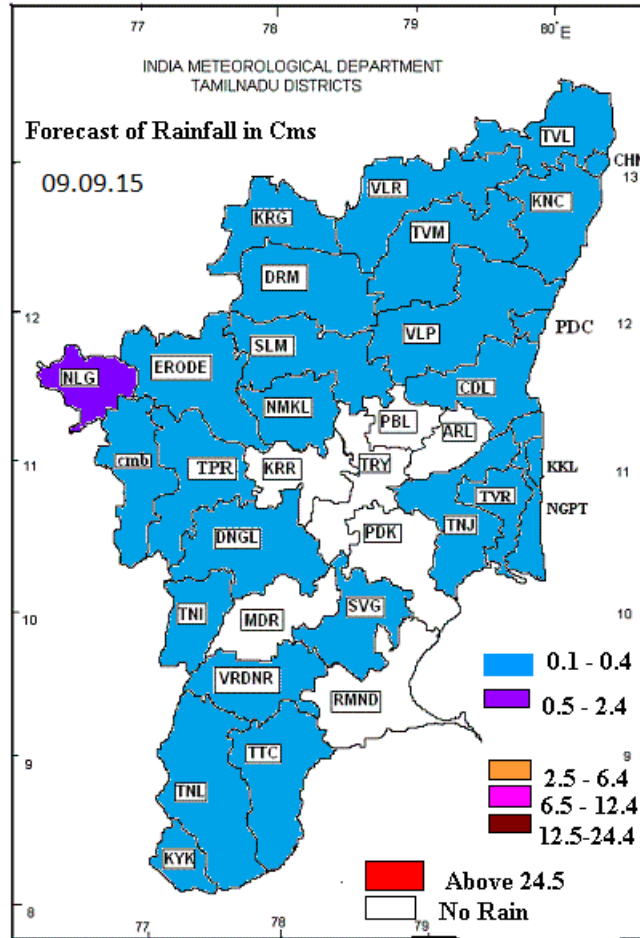
06.09.15 : Cheranmahadevi (Tirunelveli Dist) 8, Karaikal (Karaikal Dist) 6, Kuzhithurai (Kanyakumari Dist), Lower kothaiyar arg (Kanyakumari Dist), Marandahalli (Dharmapuri Dist), Muthupet (Tiruvarur Dist) 5 each, Bodinaickanur (Theni Dist), Bodinayakanur arg (Theni Dist), Papanasam (Tirunelveli Dist), Kodaikanal (Dindigul Dist) 4 each, Kadaladi (Ramanathapuram Dist) 3, Puzhal arg (Tiruvallur Dist), Kothagiri (Nilgiris Dist), G Bazar (Nilgiris Dist), Gobichettipalayam (Erode Dist), Palayamkottai (Tirunelveli Dist), Chinnakalar (Coimbatore Dist), Palacode (Dharmapuri Dist), Pechiparai

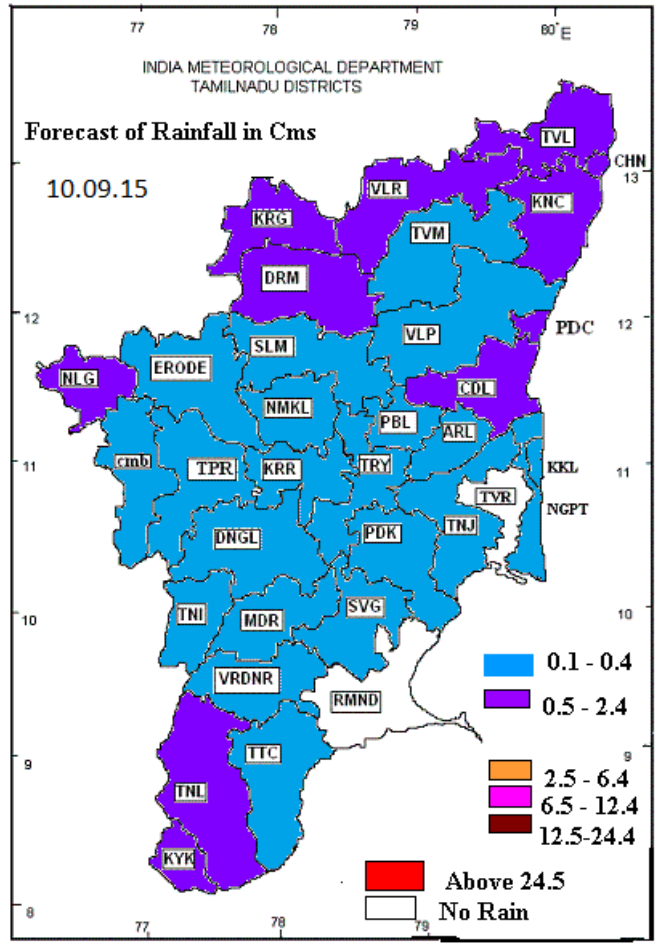
(Kanyakumari Dist), Peravurani (Thanjavur Dist), Valparai taluk office (Coimbatore Dist), Rayakottah (Krishnagiri Dist), Pennagaram (Dharmapuri Dist) 2 each, Kanyakumari (Kanyakumari Dist), Ambasamudram (Tirunelveli Dist), Alangudi (Pudukkottai Dist), Pappireddipatti (Dharmapuri Dist), Tirupathur (Sivaganga Dist), Denkanikottai (Krishnagiri Dist), Periyakulam (Theni Dist), Ottapadiram (Toothukudi Dist), Manimutharu (Tirunelveli Dist), Mylaudy (Kanyakumari Dist), Rameswaram (Ramanathapuram Dist), Coonoor (Nilgiris Dist), Tiruppur (Tiruppur Dist), Naduvattam (Nilgiris Dist), Uttamapalayam (Theni Dist), Avinasi (Tiruppur Dist), Pochampalli (Krishnagiri Dist) 1 each.

07.09.15 : Periyakulam (Theni Dist) 8, Mulanur (Tiruppur Dist), Yercaud (Salem Dist) 7 each, Muthupet (Tiruvarur Dist), Chatrapatti (odanchatra (Dindigul Dist) 6 each, Penucondapuram (Krishnagiri Dist) 5, Devala (Nilgiris Dist), Aravakurichi (Karur Dist), Gudiyatham (Vellore Dist), Kodaikanal (Dindigul Dist), Melalathur (Vellore Dist), Pennagaram (Dharmapuri Dist) 4 each, Uthagamandalam (Nilgiris Dist), Hogenekal (Dharmapuri Dist), Shoolagiri (Krishnagiri Dist), Vellore (Vellore Dist), Thalavadi (Erode Dist), Lower kothaiyar arg (Kanyakumari Dist), Valparai taluk office (Coimbatore Dist), Alangayam (Vellore Dist) 3 each, Dharamapuri (Dharmapuri Dist), Valparai pto (Coimbatore Dist), G Bazar (Nilgiris Dist), Uthangarai (Krishnagiri Dist), Naduvattam (Nilgiris Dist), Periyakulam AWS (Theni Dist), Periyar (Theni Dist), Vaniaymbadi (Vellore Dist), Bodinayakanur arg (Theni Dist), Bodinaickanur (Theni Dist), Hosur (Krishnagiri Dist), Karur (Karur Dist), Mangalapuram (Namakkal Dist), Sholingur (Vellore Dist), Pechiparai (Kanyakumari Dist), Thammampatty (Salem Dist), Thiruthuraipoondi (Tiruvarur Dist) 2 each, Kothagiri (Nilgiris Dist), R.k.pet (Tiruvallur Dist), Tiruttani (Tiruvallur Dist), Dharmapuri pto (Dharmapuri Dist), Uthagamandalam AWS (Nilgiris Dist), Rayakottah (Krishnagiri Dist), Ambur (Vellore Dist), Namakkal (Namakkal Dist), Kangeyam (Tiruppur Dist), Chinnakalar (Coimbatore Dist), Dharapuram (Tiruppur Dist), Manimutharu (Tirunelveli Dist), Attur (Salem Dist), Harur (Dharmapuri Dist), Pochampalli (Krishnagiri Dist), Tiruchengode (Namakkal Dist), Coonoor (Nilgiris Dist), Peravurani

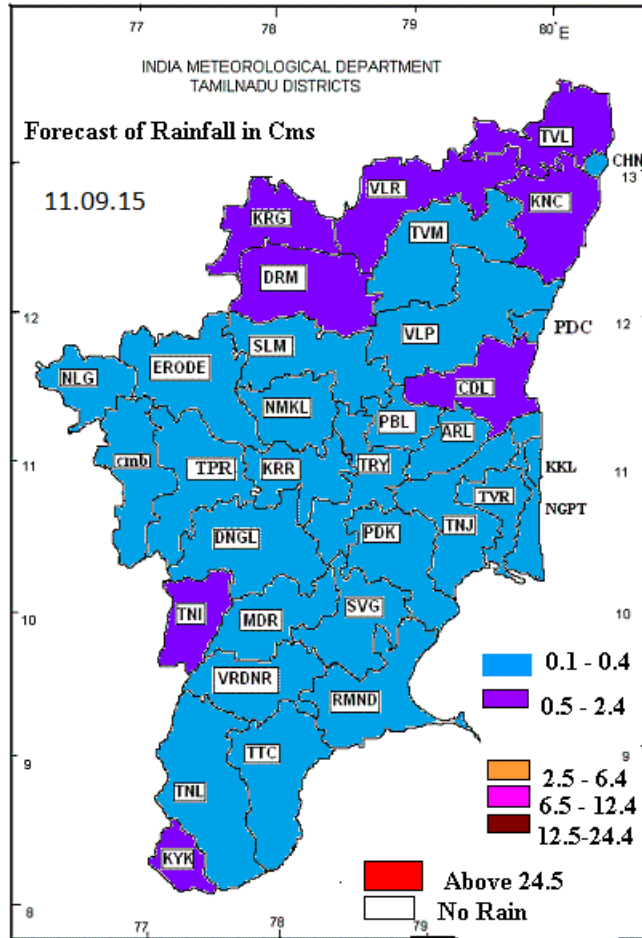
(Thanjavur Dist), Paramathivelur (Namakkal Dist), Sankaridurg (Salem Dist), Krishnagiri (Krishnagiri Dist) 1 each.

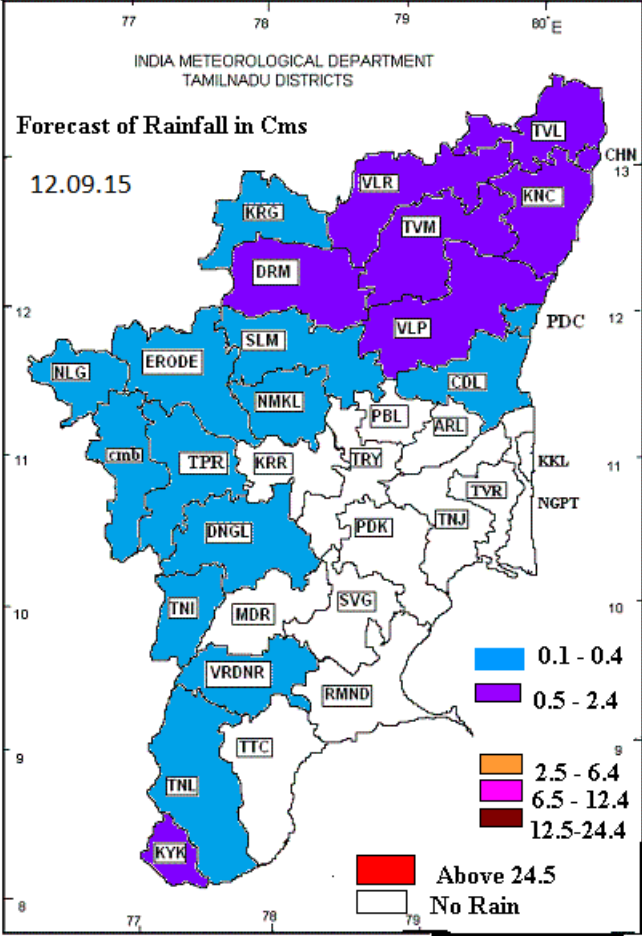
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST  
ISSUED ON: 08.09.2015 VALID FOR THE NEXT 5 DAYS**

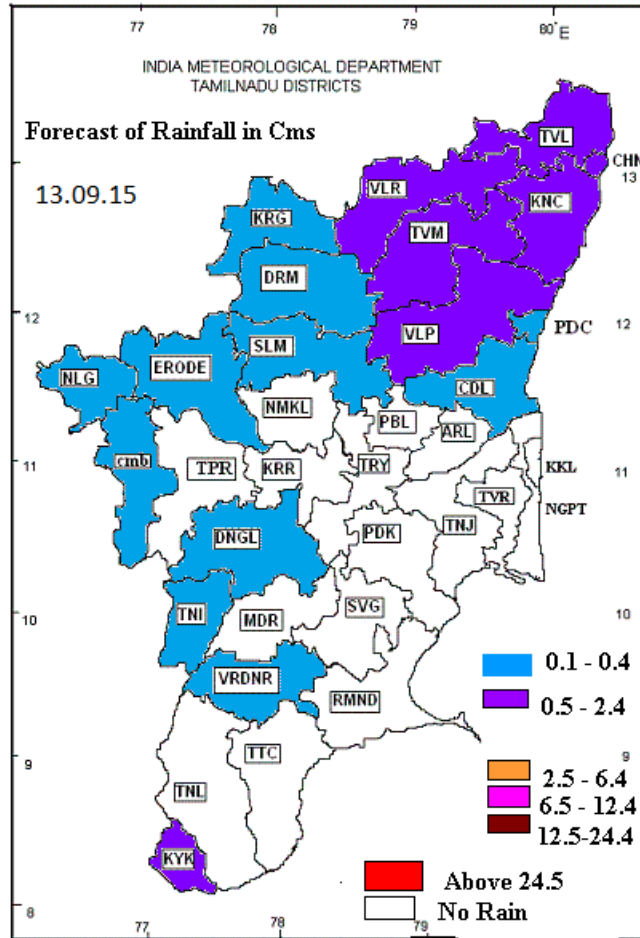












### Kanyakumari

- |                |   |  |
|----------------|---|--|
| Banana Nendran | : | Vegetative, Shooting and harvesting stages           |
| Coconut        | : | Juvenile, Pre-bearing and Bearing stages             |
| Jasmine        | : | New shoots and flower buds initiation stage          |
| Pineapple      | : | Newly planted, fruit formation and development stage |

### AGRO ADVISORIES

There are possibilities for 35.0 mm rainfall during the forthcoming days

Grafting and cutting of horticultural crops may be taken

Combined application of systemic and contact fungicides may be taken for Banana to restrict the spreading of diseases

Basin preparation for pepper clove nutmeg and cinnamon may be taken for better rain water harvest

### SMS ADVISORY

Basin preparation for pepper clove nutmeg and cinnamon may be taken for better rain water harvest

## **Nilgiris**

Light to moderate rain fall expected in the district for next five days.

Using moderate rainfall, planting of coffee and tea seedlings could be done. These seedlings are available at State Department of Horticulture with subsidy.

## **Karaikal**

Medium duration varieties like improved White Ponni ADT 39, and ADT 46 may be used for ensuing samba season.

Treat the seeds with Carbendazim or Pyroquilon or Tricyclozole @ 2 g/ kg of seed. Soak the seeds in water for 10 hrs and drain excess water.

Treat the seeds with Pseudomonas fluorescens @10g/kg of seed per litre of water overnight. Decant the excess water and allow the seeds to sprout for 24hrs before sowing.

Treat the seeds with three packets (600 g/ha) of Azospirillum and 3 packets (600g/ha) of Phosphobacteria or 6 packets (1200g/ha)of Azophos and then taken up sowing.

To control thrips in paddy nursery, spray Phosphomidon 40 SL 1 ml/litre or Chlorpyriphos 20 EC @ 2 ml/litre.

Mealy bug management: Neem oil 2% or Neem Seed Kernal Extract (NSKE) 5% or Thiamethoxam 25 WG 0.6g /litre

## **Puducherry**

Medium duration varieties like improved White Ponni ADT 39, and ADT 46 may be used for ensuing samba season.

Treat the seeds with Carbendazim or Pyroquilon or Tricyclozole @ 2 g/ kg of seed. Soak the seeds in water for 10 hrs and drain excess water.

Treat the seeds with three packets (600 g/ha) of Azospirillum and 3 packets (600g/ha) of Phosphobacteria or 6 packets (1200g/ha)of Azophos and then taken up sowing.

To control thrips in paddy nursery, spray Phosphomidon 40 SL 1 ml/litre or Chlorpyriphos 20 EC @ 2 ml/litre.

To manage ragi stem borer apply Phorate 10 CG 1 lit/ha

In cumbu, shootfly can be managed by spraying Dimethoate 30 EC 500 ml/ha

Lemon leaf folder can be controlled by spraying Quinolphos 25 EC @ 2 ml/lit

Mealy bug management: Neem oil 2% or Neem Seed Kernal Extract (NSKE) 5% or Thiamethoxam 25 WG 0.6g /litre

In sugarcane, iron deficiency may be rectified by foliar spraying of 250g of Ferrous Sulphate dissolved in 100 lit of water or Soil application of 25kg/ha of Ferrous Sulphate

## **Chennai , Thiruvallur , Kanchipuram , Cuddalore , Thiruvannamalai , Vellore & Villupuram**

### **Livestock :**

Light rainfall may be expected for next five days.

Farmers are advised not to allow their animals to graze near pond or lake areas to avoid fluke infestation.

High humidity and temperature will facilitate vector multiplication. Hence farmers are advised to clean the animals shed regularly and store manure in the covered area and apply fly repellent to avoid vector borne diseases.

Sheep, goats and young calves should be dewormed by using suitable anthelmintics.

Repeat breeders shall be supplemented with 50 grams of mineral mixture and high protein diet daily to improve the conception rate.

### **Agriculture :**

Imp.Crops: Rice, Sugarcane and Groundnut

Paddy growing areas, Brown spot incidence was found. Hence, farmers are advised to spray mancozeb (2.0g/lit) 2 to 3 times at 10 - 15 day intervals, based on the intensity of disease.

In Bhendi white fly infestation if noticed spray methyl demeton 2ml/litre or imidacloprid 17.8SL 0.2ml/litre or dimethoate 2ml/litre of water so as to avoid yellow vein mosaic disease.

In chillies to manage fruit borers set up pheromone traps @ 5/acre to attract adult moths.

### **Dindigul**

Since light rainfall is expected based on crop stage and soil moisture irrigation can be planned.

Do preparatory cultivation under dry lands by utilizing the premonsoon rains expected in the coming days for raising crops during the ensuing north east monsoon season.

For conservation of moisture under dryland conditions plough the field deep with disc plough.

Apply farmyard manure or compost at 12.5 t/ ha before last ploughing. After primary tillage use rotovator for preparing a fine seedbed.

Constant monitoring of ladyfinger, brinjal and chilli crop against attack of jassid is advised, spraying of Dimethoate 30 EC @ 2 ml/liter of water.

To control thrips pest in onion spray with dimethoate@0.06% or profenofos @ 0.05%.

### **Madurai**

Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops at suitable time during dry spell.

To control leaf folder in paddy nursery field spray with Quinalphos 25EC1000 ml/ha (or) Chlorpyrifos 20 EC 1250 ml/ha (or) Carbaryl 50 WP 1.0 kg/ha (or) Profenophos 50 EC 1000 ml/ha.

To control rice stem borer spray CartapHydrochloride 50 % SP @ 400g/ac or Phosphamidon 40% SL 500 ml/ac.

To control rice Mealy bug spray with Neem oil 2% or Neem Seed Kernel Extract (NSKE) 5% or

Thiamethoxam 25 WG 0.6g /litre.

To control Downy mildew diseases in gourds Spray with Moncozeb 0.2 % or Chlorothalonil 0.2% or Difolaton 0.2%.

### **Pudukottai**

Since light rainfall is expected based on crop stage and soil moisture irrigation can be planned.

In 20-25 days old transplanted paddy crop farmers are advised to apply nitrogen at the rate of 30-40 kg/ha.

To control stem borer, thrips in paddy nursery field spray with Phosphamidon 40%SL 500ml/ac.

To control leaf folder in paddy nursery field spray with Quinalphos 25EC1000 ml/ha (or) Chlorpyrifos 20 EC 1250 ml/ha (or) Carbaryl 50 WP 1.0 kg/ha (or) Profenophos 50 EC 1000 ml/ha.

To control Green leafhopper in paddy spray with Phosalone 35% EC 120 ml/litre.  
Constant monitoring of paddy nurseries against attack of blast and brown spot is advised, spraying of Carbendazim or bavistin @ 2.0gram/litre of water.

#### **Ramanathapuram**

Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops at suitable time during dry spell.  
The root zone of horticulture crops should covered with coir pith to conserve moisture.  
To control leaf folder in paddy nursery field spray with Quinalphos 25EC1000 ml/ha (or) Chlorpyrifos 20 EC 1250 ml/ha (or) Carbaryl 50 WP 1.0 kg/ha (or) Profenophos 50 EC 1000 ml/ha.  
To control Downy mildew diseases in gourds Spray with Moncozeb 0.2 % or Chlorothalonil 0.2% or Difolaton 0.2%.  
To control rice stem borer spray with Phosphamidon 40%SL 500ml/ac.

#### **Sivagangai**

Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops at suitable time during dry spell.  
To control rice stem borer spray CartapHydrochloride 50 % SP @ 400g/ac or Phosphamidon 40% SL 500 ml/ac.  
To control rice Mealy bug spray with Neem oil 2% or Neem Seed Kernal Extract (NSKE) 5% or Thiamethoxam 25 WG 0.6g /litre.  
To control Green leafhopper in paddy spray with Phosalone 35% EC 120 ml/litre.  
Constant monitoring of paddy nurseries against attack of blast and brown spot is advised, spraying of Carbendazim or bavistin @ 2.0gram/litre of water.

#### **Theni**

Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops at suitable time during dry spell.  
The root zone of horticulture crops should covered with coir pith to conserve moisture.  
To control Green leafhopper in paddy spray with Phosalone 35% EC 120 ml/litre.  
Constant monitoring of paddy nurseries against attack of blast and brown spot is advised, spraying of Carbendazim or bavistin @ 2.0gram/litre of water.  
To control rice stem borer spray CartapHydrochloride 50 % SP @ 400g/ac or Phosphamidon 40% SL 500 ml/ac.  
To control rice Mealy bug spray with Neem oil 2% or Neem Seed Kernal Extract (NSKE) 5% or Thiamethoxam 25 WG 0.6g /litre.

#### **Virudhunagar , Thoothukudi & Thirunelveli**

Crop/ Ecosystem	Stage / Activities	Advisories
North east monsoon season cultivation	Farm mechanization	In order to complete all field operations like seed bed preparation, sowing, weeding, harvesting etc. in time and manage labour scarcity situation use farm implements

		efficiently under dryland conditions. Farm implements like seed drills, power weeders, threshers etc. help to cover more area in a short time. Seed cum fertilizer drills like tropicultor help to complete three operations namely broad bed and furrow formation, basal fertiliser application and sowing simultaneously.
	Seedbed preparation	For conserving soil and water under rainfed conditions adopt soil and water conservation practices like broad bed and furrow, compartmental bunding and ridges and furrows for the dryland crops to be raised during the ensuing north east monsoon season. Use tractor drawn bund former, ridger and broad bed and furrow former for covering more area in a short time.
	Input mobilization	For taking up sowing in time under rainfed conditions during the ensuing north east monsoon season make ready the inputs like seeds, chemicals for seed treatment, biofertilizers, organic manures, chemical fertilizers etc.
	Selection of varieties	For sowing during the ensuing northeast monsoon season under rainfed conditions select drought tolerant and pest and disease resistant varieties. KC 3 and PA 255 in cotton, CoH(M) 6 in maize, K 8 and K 12 in sorghum, CO 6 in green gram, CO 4 in sunflower, CO (Cu) 9 in pearl millet, TMV 5 in gingelly, CO 4 in coriander and KKM 1 in senna are suitable for rainfed conditions.
Chilli, tomato	Fruiting stage	As light rainfall is expected in the coming days avoid irrigation to the crops.

SMS: Rain: Sep 9<sup>th</sup>- 11<sup>th</sup>& 13: 1 mm, Sep 12<sup>th</sup>: 2 mm. For conserving soil& water in drylands adopt broad bed and furrow, compartmental bunding& ridges and furrows.

## Coimbatore

Blocks	Sugar cane	Banana	Turmeric	Vegetables	Pulses	Rice	Maize	Cotton
Thondamuthur	V	7 months	V	V & F	V	N&V	V	S& V
Karamadai	V	7 months	V	V & F	V	N&V	V	S & V
Sulur	V	8 months	V	V & F	V	N&V	V	S & V
Sultanpet	V	7 months	V	V & F	V	N&V	V	S & V
Pollachi	V	8 months	V	V & F	V	N&V	V	S & V
P.N Palayam	V	8 months	V	V & F	V	N&V	V	S & V
Kinathukadavu	NC	NC	V	V & F	V	N&V	V	S & V
Annur	NC	7 months	V	V & F	V	N&V	V	S & V
Madukarai	NC	7 months	V	V & F	V	N&V	V	S & V
Annamalai	V	8 months	V	V & F	V	N&V	V	S & V

NC - No Crop; V- Vegetative; F – Flowering; S – Sowing; Nursery & Transplanting

### Agro Advisory

Anticipating rainfall for next 5 days. With the receipt of anticipated rainfall land preparation may be done for north east monsoon sowing.

Considering the anticipated rainfall, it is best time for planting tapioca under irrigated condition. The tapioca sett must be 15 cm long with 8-10 nodes, taken from middle portion of the stem. Before planting, setts should be dipped for 15 minutes in carbendazim solution @ 1g in 1 lit water.

Rain is anticipated along with high wind speed 12kmph, propping must be done to sugarcane and banana of more than five months.

Thinning and gap filling may be done for irrigated cotton and maize is advised to maintain population.

### SMS advisory

Anticipating rainfall for next 5 days. With the receipt of anticipated rainfall land preparation may be done for north east monsoon sowing.

### Erode

Taluks	Sugarcane	Banana	Turmeric	Tapioca	Pulses	Rice	Cotton	Maize
Ammamet	V	8 months	V	V	V	N&V	V	V
Bhavani	V	8 months	V	V	V	N&V	V	V
Erode	V	8 months	V	V	V	N&V	V	V
Perundurai	V	8 months	V	V	V	N&V	V	V
Sathyamangalam	V	8 months	V	V	V	N&V	V	V
Nambiyur	V	8 months	V	V	V	N&V	V	V
Gobichettipalayam	V	8 months	V	V	V	N&V	V	V

V- Vegetative; H – Harvest; S – Sowing; Nursery & Transplanting

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### SMS advisory

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### Tiruppur

Blocks	Tapioca	Sugarcane	Banana	Vegetables	Pulses	Rice	Cotton	Maize
Avinashi	V	V	8months	V	S	N&V	S & V	V
Kankayam	V	NC	NC	V	S	N&V	S & V	V



Madathukulam	V	NC	NC	V	S	N&V	S & V	V
Gudimangalam	V	V	10 months	V	S	N&V	S & V	V
Palladam	V	NC	NC	V	S	N&V	S & V	V
Dharapuram	V	V	6 months	V	S	N&V	S & V	V
Udumalpet	V	V	NC	V	S	N&V	S & V	V

NC - No Crop; V- Vegetative; S- Sowing; Nursery & Transplanting

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Thinning and gap filling may be done for irrigated cotton and maize is advised to maintain population.

#### SMS advisory

Anticipating rainfall for next 5 days. With the receipt of anticipated rainfall land preparation may be done for north east monsoon sowing.

#### **Ariyalur , Nagapattinam , Perambalur , Thanjavur , Thiruvarur & Thiruchirapalli**

**Imp. Crop: Rice, Sugarcane and Banana**

**Stage: Kuruvai - Flowering stage; Samba: Sowing and Transplanting**

During Samba season direct sown paddy seeds should be treated with *Pseudomonas fluorescence* 10g/kg of seed before sowing. The seed treatment increases seed germination, seedling vigour and controls the seed borne infection.

For 1 acre Samba crop, apply 200 kg of gypsum, 10 kg zinc sulphate, 30 kg of urea, 40 kg DAP and 10 kg potash as basal fertilizers. Apply 100 kg of neem cake before transplanting to avoid insect and nematode attack.

Black bug incidence was noticed in Kuruvai paddy at flowering stage. To control this spray profenophos 50 EC at 400 ml /ac with 200 litre of water.

#### **Karur**

**Imp. Crop: Rice, Sugarcane and Banana**

**Stage: Kuruvai - Flowering stage; Samba: Sowing and Transplanting**

During Samba season direct sown paddy seeds should be treated with *Pseudomonas fluorescence* 10g/kg of seed before sowing. The seed treatment increases seed germination, seedling vigour and controls the seed borne infection.

For 1 acre Samba crop, apply 200 kg of gypsum, 10 kg zinc sulphate, 30 kg of urea, 40 kg DAP and 10 kg potash as basal fertilizers. Apply 100 kg of neem cake before transplanting to avoid insect and nematode attack.

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