



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

## **DISTRICT LEVEL**

# **Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 073/2022**

For the period 0830 IST, 13<sup>th</sup> September 2022 to  
0830 IST, 18<sup>th</sup> September 2022

Issued on **Tuesday, 13<sup>th</sup> September 2022**

Issued by

DDGM, Regional Meteorological Centre, India Meteorological Department,  
Chennai in collaboration with TNAU and nine AMFU's of Agro climatic Zones of  
the Tamil Nadu state

## Agro climatic zones of the state

Sl. No	Agro climatic zone	Districts	Agro met field Unit (AMFU) location
1	Northeastern zone	Kanchipuram, Tiruvallur, Cuddalore Tiruvannamalai, Chennai, Villupuram , Vellore	Chennai
2	Northwestern zone	Dharmapuri, Krishnagiri, Salem and Namakkal	Namakkal
3	Western Zone	Erode, Tiruppur and Coimbatore,	Coimbatore,
4	Cauvery Delta zone	Thanjavur, Nagapattinam, Thiruvarur, Karur, Perambalur, Ariyalur and Tiruchirapalli.	Adudurai
5	Southern zone	Virudhunagar, Tirunelveli and Thoothugudi	Kovilpatti
6	South Zone	Pudukkottai, Madurai, Dindigul, Theni, Ramanathapuram and Sivagangai	Kannivadi
7	High rainfall zone	Kanyakumari	Pechiparai
8	Hilly zone	Nilgiris	Ooty
9	Coastal Zone	Karaikal and Pondicherry	Karaikal



**Past Weather Summary for the period 09.09.22 to 12.09.22 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 15°C – 22°C during the period.

Minimum temperature of range 21°C - 28°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 11°C - 12°C during the same period.

**Spatial distribution of Rainfall**

Spatial distribution of Rainfall	Date	Area
Widespread (Most places)	----	----
Fairly widespread (Many places)	----	-----
Scattered (Few Places)	-----	-----
Isolated (One or Two Places)	09.09.22,10.09.22,11.09.22 & 12.09.22 11.09.22	Tamil Nadu Puducherry
Dry	09.09.22, 10.09.22 & 12.09.22	Puducherry

**Chief Amounts of Rainfall (in cms):**

**09.09.22:** Chinnakalar (dist Coimbatore) 7, Valparai PTO (dist Coimbatore) 6, Avalanche (dist Nilgiris), Sholayar (dist Coimbatore), Harisan Estate, Cherumulli (dist Nilgiris) 5 each, Cincona (dist Coimbatore), Devala (dist Nilgiris), Valparai Taluk Office (dist Coimbatore), Valparai PAP (dist Coimbatore) 4 each, Pandalur (dist Nilgiris) 3, Gobichettipalayam (dist Erode), Upper Bhavani (dist Nilgiris) 2 each, Periyar (dist Theni), Pechiparai (dist Kanyakumari), Kollidam (dist Mayiladuthurai), Wood Braiyar Estate (dist Nilgiris) 1 each.

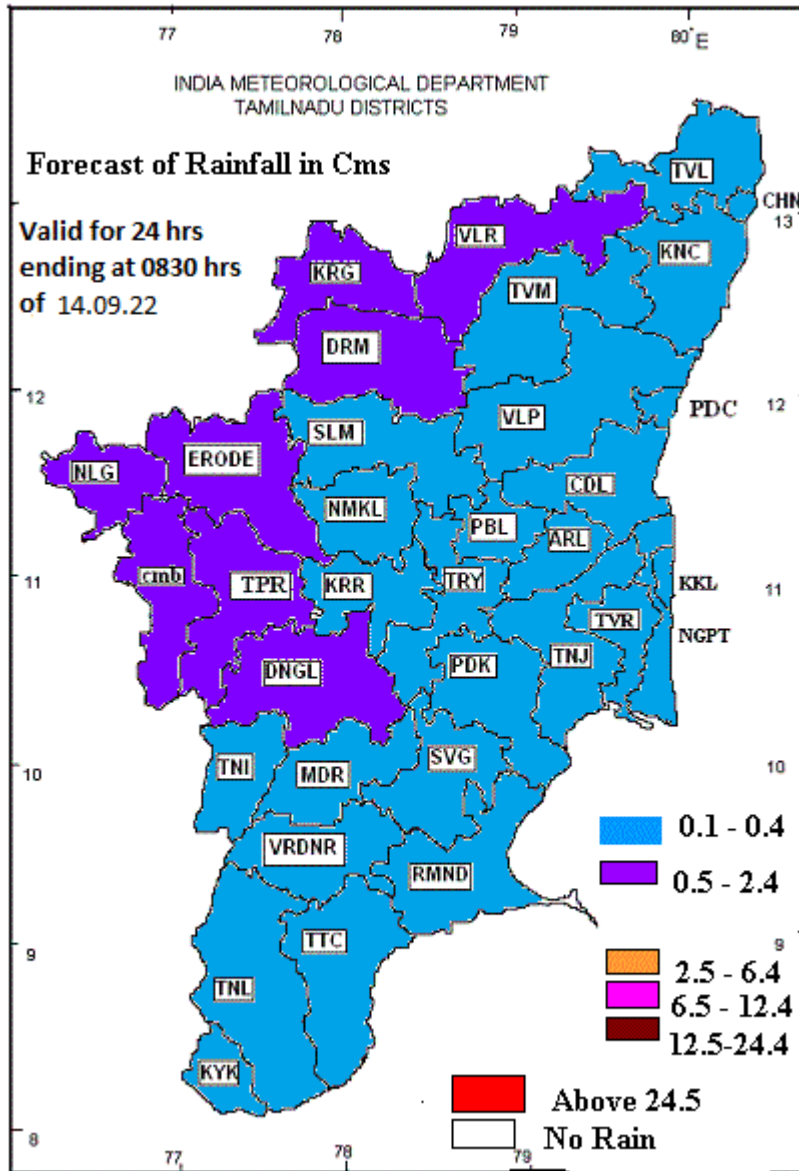
**10.09.22:** Chinnakalar (dist Coimbatore) 9, Avalanche (dist Nilgiris) 8, Valparai PTO (dist Coimbatore), Pandalur (dist Nilgiris) 7 each, Sholayar (dist Coimbatore), Harisan Estate (dist Nilgiris), Valparai PAP (dist Coimbatore) 6 each, Valparai Taluk Office (dist Coimbatore), Uthukottai (dist Tiruvallur), Upper Bhavani (dist Nilgiris), Cincona (dist Coimbatore) 5 each, Devala (dist Nilgiris) 4, Periyar (dist Theni) 3, Thekkadi (dist Theni), Palacode (dist Dharmapuri), Thamaraiykkam (dist Tiruvallur), Emeralad (dist Nilgiris), Ponneri (dist Tiruvallur), Marandahalli

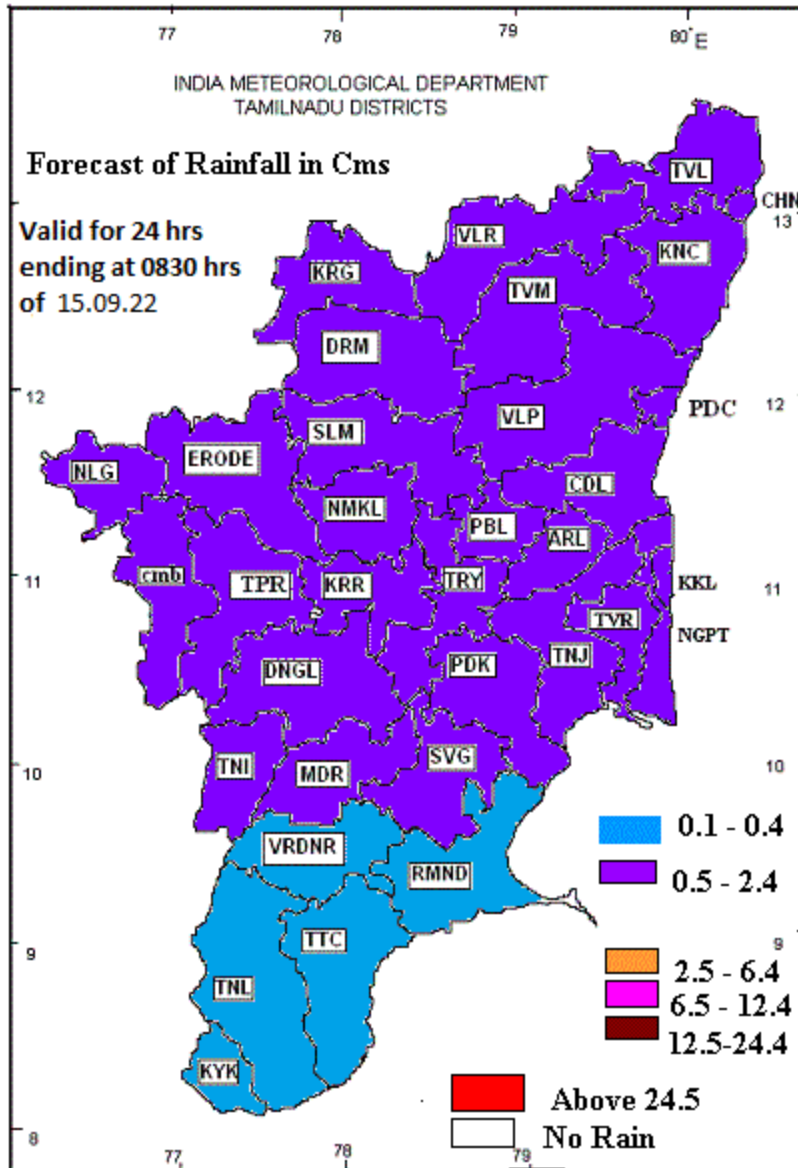
(dist Dharmapuri), Naduvattam (dist Nilgiris), Anjatti (dist Krishnagiri), Hogenekal (dist Dharmapuri), Pallipattu (dist Tiruvallur) 1 each.

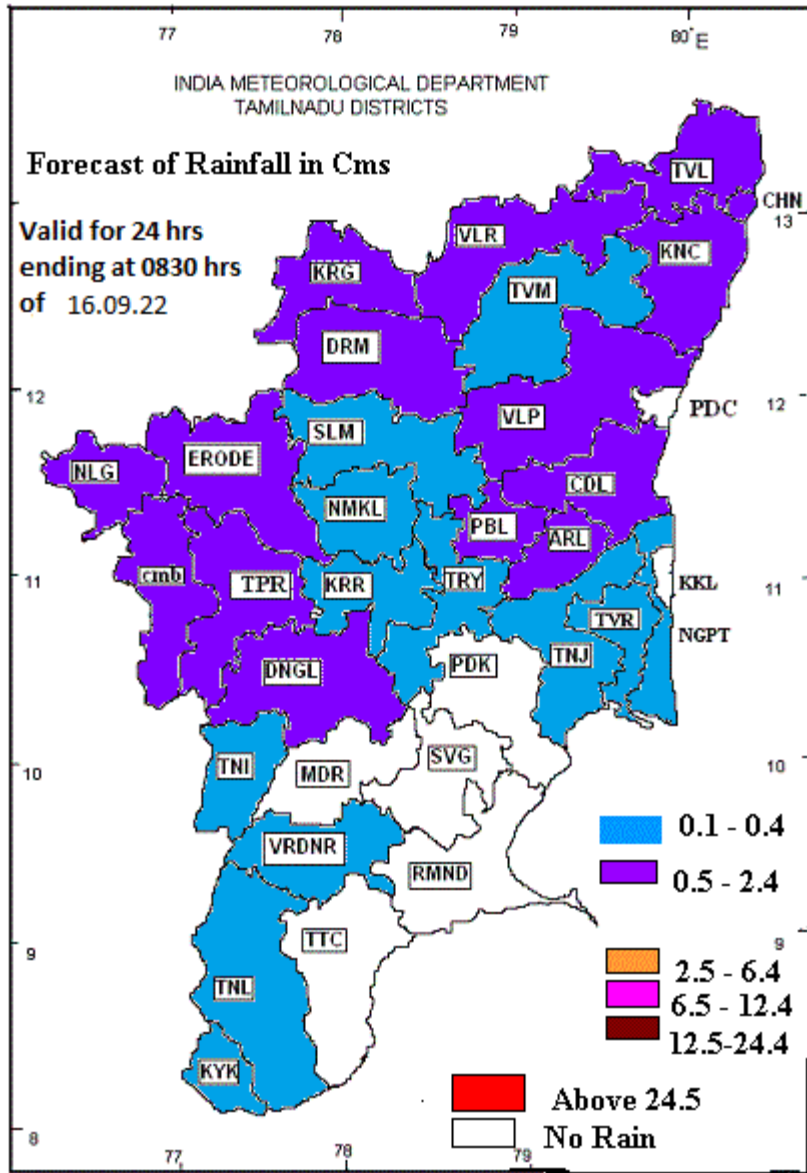
**11.09.22:** Pandalur (dist Nilgiris) 14, Devala (dist Nilgiris) 13, Wood Braiyar Estate (dist Nilgiris) 10, Chinnakalar (dist Coimbatore) 7, Valparai PTO (dist Coimbatore), Avalanche (dist Nilgiris), Harisan Estate, Cherumulli (dist Nilgiris) 6 each, Sholayar (dist Coimbatore) 5, Gudaur Bazar (dist Nilgiris), Valparai Taluk Office (dist Coimbatore), Cincona (dist Coimbatore), Valparai AP (dist Coimbatore) 4 each, Naduvattam (dist Nilgiris), Upper Bhavani (dist Nilgiris), Upper Gudalur (dist Nilgiris) 3 each, Barwood (dist Nilgiris), Salem (dist Salem), Periyar (dist Theni), Thekkadi (dist Theni), Emeraldad (dist Nilgiris) 1 each.

**12.09.22:** Pandalur (dist Nilgiris) 16, Wood Braiyar Estate (dist Nilgiris) 11, Valparai PTO (dist Coimbatore), Devala (dist Nilgiris), Harisan Estate, Cherumulli (dist Nilgiris) 5 each, Chinnakalar (dist Coimbatore), Valparai PAP (dist Coimbatore) 4 each, Valparai Taluk Office (dist Coimbatore), Sholayar (dist Coimbatore), Avalanche (dist Nilgiris), Cincona (dist Coimbatore) 3 each, Upper Bhavani (dist Nilgiris), Puthan Dam (dist Kanyakumari) 2 each, Kuzhithurai (dist Kanyakumari) 1.

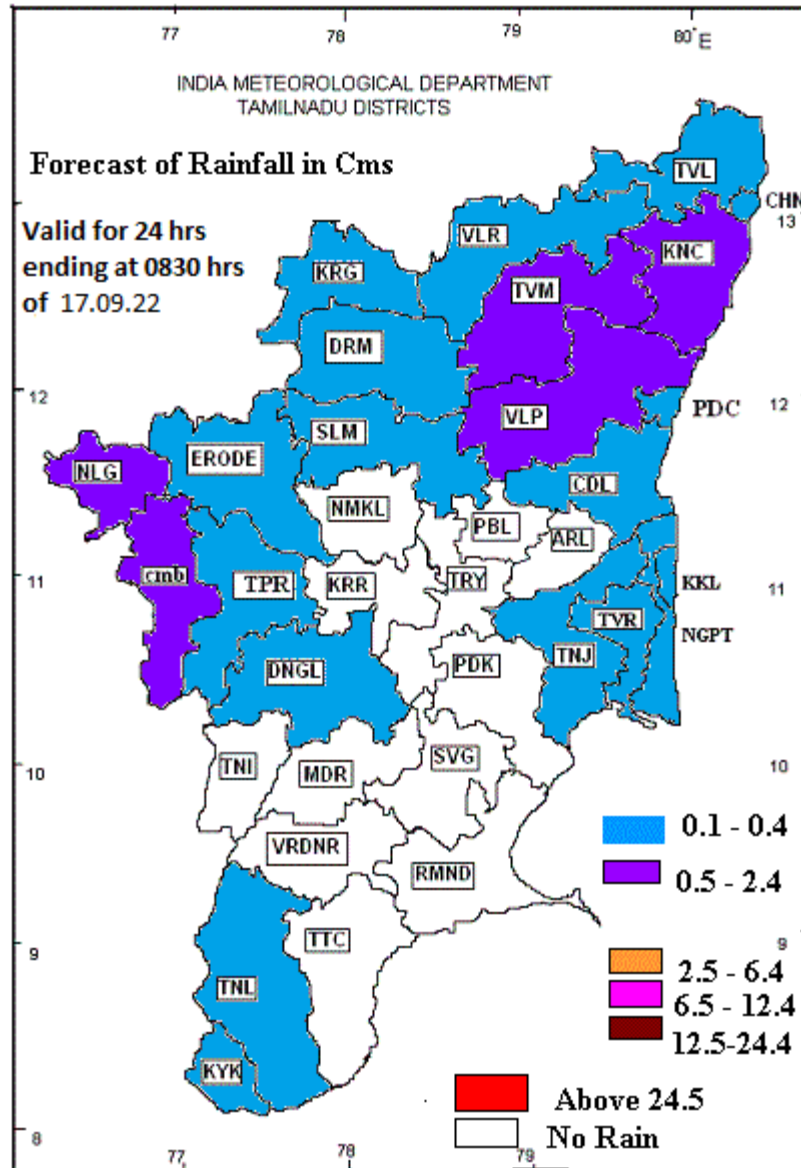
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 13.09.22  
VALID FOR THE NEXT 5 DAYS**

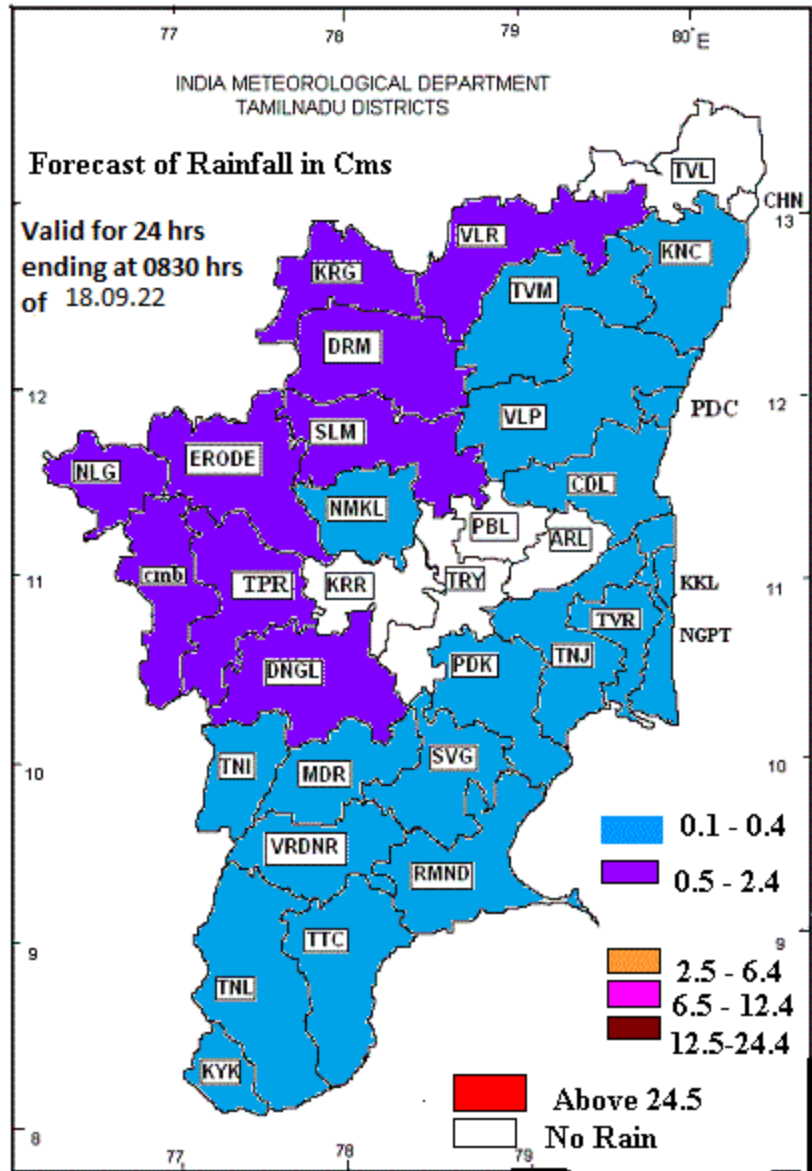












## **District-wise Agromet Advisories**

### **Chennai**

#### SMS Advisory:

(16.09.22-18.09.22) Light to moderate rain is likely to occur at isolated places over Tamilnadu, Livestock Advisory

- 1.Livestock must be give medicated bath to avoid ectoparasite infestation. Moreover dipping must be done on a sunny day.
- 2.Scabies affected rabbits must be isolated and treated. The cage must be disinfected with flame gun.
- 3.The surplus fodder available must be preserved as silage for summer feeding.
- 4.The livestock must be provided with clean wholesome drinking water all round the clock.
- 5.To prevent the methane and ammonia accumulation in pig sty provision of proper ventilation is necessary
- 6.To prevent water stagnation proper drainage must be provided in livestock shelter
- 7.The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age)
- 8.Add 5%shell grit in laying hens for optimum egg production
- 9.Plantation of trees around the livestock shed not only enhances ventilation but also prevent heat stress particularly dairy cattle.

### **Kancheepuram**

#### SMS Advisory:

(16.09.22-18.09.22) Light to moderate rain is likely to occur at isolated places over Tamilnadu, Livestock Advisory:

- 1.Livestock must be give medicated bath to avoid ectoparasite infestation. Moreover dipping must be done on a sunny day.
- 2.Scabies affected rabbits must be isolated and treated. The cage must be disinfected with flame gun.
- 3.The surplus fodder available must be preserved as silage for summer feeding.
- 4.The livestock must be provided with clean wholesome drinking water all round the clock.
- 5.To prevent the methane and ammonia accumulation in pig sty provision of proper ventilation is necessary
- 6.To prevent water stagnation proper drainage must be provided in livestock shelter
- 7.The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age)
- 8.Add 5%shell grit in laying hens for optimum egg production
- 9.Plantation of trees around the livestock shed not only enhances ventilation but also prevent heat stress particularly dairy cattle.

#### Agricultural advisory Rice:

The forecasted weather may cause leaf folder infestation in rice crop. The farmers are advised to monitor the field, if symptoms are observed it's advised to spray Chlorantraniliprole 18.5% 150 ml/ha.

#### Groundnut:

There are possibilities of early leaf spot infestation in ground nut crop. For management farmers are advised to apply Chlorothalonil @ 400 g/acre

#### Brinjal:

There are possibilities of damping off infestation in brinjal nursery. For management farmers are advised to apply Pseudomonas fluorescens as a soil application @ 2.5 kg/ha mixed with 50 kg of FYM.

## Villupuram

### SMS Advisory:

(16.09.22-18.09.22) Light to moderate rain is likely to occur at isolated places over Tamilnadu, Livestock Advisory:

- 1.Livestock must be give medicated bath to avoid ectoparasite infestation. Moreover dipping must be done on a sunny day.
- 2.Scabies affected rabbits must be isolated and treated. The cage must be disinfected with flame gun.
- 3.The surplus fodder available must be preserved as silage for summer feeding.
- 4.The livestock must be provided with clean wholesome drinking water all round the clock.
- 5.To prevent the methane and ammonia accumulation in pig sty provision of proper ventilation is necessary
- 6.To prevent water stagnation proper drainage must be provided in livestock shelter
- 7.The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age)
- 8.Add 5%shell grit in laying hens for optimum egg production
- 9.Plantation of trees around the livestock shed not only enhances ventilation but also prevent heat stress particularly dairy cattle.

### Agricultural advisory Rice:

Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray chlorantraniliprole 18.5% 150 ml/ha or flubendiamide 39.35 SC 50 g/ha during morning or evening hours. Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 25% WG 100 g/ha or dimethoate 1.5ml/l.

### Sugarcane:

Mealy bug and pokkahboeng infection identified in sugarcane crop. Mealy bug affect growth of plants and pokkahboeng cause death of young spindles of sugarcane crop. To control spray imidacloprid 17.8 SL 0.6 ml/l or carbendazim 1.0 g/l. Due to prevailing weather condition changes of sugarcane early shoot borer infection. To control spray chlorantraniliprole 18.5 SC (0.5 ml/l) or fipronil 5 % SC (2 ml/l).

### Maize:

Maize growing farmers the fall army worm infection apply neem cake @ 250 kg/ha (farmer contribution) Seed treatment with cyantraniliprole 19.8% + thiamethoxam 19.8 FS @ 4.0 ml/kg seed Border cropping with gingelly or cowpea or sorghum Installation of pheromone traps @ 12 nos./ha Spraying of chlorantraniliprole 18.5 SC @ 0.4 ml/l (or) flubendiamide 20 WG (0.5 g/l) at 15-20 days of emergence (DAE) Application of ememectin benzoate 5 SG (0.4 g/l) or spinetoram 11.7 SC (0.5 ml/l) at 35-40 DAE at late whorl stage and 60 DAE

### Groundnut:

Due to prevailing weather condition there are chances of root rot infection in groundnut. To control apply trichoderma asperellum + bacillus subtilis 2.5 kg/ha with 50 kg of well decomposed FYM or sand at 30 DAS. Spot drench with carbendazim 1.0 g/lit

### Cotton:

Due to prevailing weather condition there are chances of cotton green leaf hopper infestation. To control spray thiamethoxam 25 WG 0.6 gram/litre or imidacloprid 17.8 SL 0.6 ml/litre

### Tapioca:

Prevailing weather condition is favorable for mealy bug infestation in tapioca crop. To control spray fluonicamid 50 % WG 60 g/acre or spirotetramat 150 OD 250 ml/acre or thiamethoxan 25 WDG 40 g/acre.

### Banana:

Due to prevailing weather condition favorable for sigatoka leaf spot infection in banana crop. To control spray carbendazim 1.0 g/l or propiconazole 1.0 ml/l or mancozeb 2.5 g/l and sticking agent at 10-15 days interval.

Coconut:

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

## Thiruvannamalai

SMS Advisory:

(16.09.22-18.09.22) Light to moderate rain is likely to occur at isolated places over Tamilnadu, Livestock Advisory:

- 1.Livestock must be give medicated bath to avoid ectoparasite infestation. Moreover dipping must be done on a sunny day.
- 2.Scabies affected rabbits must be isolated and treated. The cage must be disinfected with flame gun.
- 3.The surplus fodder available must be preserved as silage for summer feeding.
- 4.The livestock must be provided with clean wholesome drinking water all round the clock.
- 5.To prevent the methane and ammonia accumulation in pig sty provision of proper ventilation is necessary
- 6.To prevent water stagnation proper drainage must be provided in livestock shelter
- 7.The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age)
- 8.Add 5%shell grit in laying hens for optimum egg production
- 9.Plantation of trees around the livestock shed not only enhances ventilation but also prevent heat stress particularly dairy cattle.

Agricultural advisory

Rice:

Since rain is anticipated, provide drainage for the rice field. To avoid fertilizer application, insecticides or pesticides spray and postpond irrigation. Harvest the matured crops and store in safe places Groundnut: Provide drainage for groundnut crop. To avoid fertilizer application, insecticides or pesticides spray.

Black gram:

Provide drainage for black gram crop. To avoid fertilizer application, insecticides or pesticides spray and weeding.

Maize:

Provide drainage for maize crop. To avoid fertilizer application, insecticides or pesticides spray and postpond irrigation.

## Thiruvallur

From extended range forecast Below normal rainfall, normal maximum temperature and minimum temperature expected for the period of 18.09.2022 to 24.09.2022 over Tamil Nadu. Light to moderate rainfall may be expected from 14th to 17th September, so based on soil moisture provide irrigation to the crop.

Crop(Varieties)	Crop Specific Advisory
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RICE	1. Stem bore- Spray Azadirachtin 0.03% 400 ml (Or) Flubendiamide 20% WG 50g. (Or) ; 2. Whorl maggots- Spray Cartap hydrochloride 4% G 7.5-10 kg (or) Spray Fipronil 5% SC 400-600 g per acre in 200 litres of water; 3. Leaf folder- Spray Acephate 75 % SP 400 ml (Or) Spray Azadirachtin 0.03% 400ml per acre in 200 litres of water; 4. Hispa/ spiny beetle- Spray Chlorpyrifos 20% EC 500 ml per acre in 200 litres of water.
BLACK GRAM	Black gram- Aphids- Spray Methyl demeton 25% EC 500 ml (or) Dimethoate 30% EC 500 ml per acre in 200 litres of water.
OKRA/ LADYFINGER	Bhendi- 1. Fruit borer- Spray Azadirachtin 0.03 % 5.0g / l. (or) Buprofezin 70 DF 5.5 ml/10 l; and Set up pheromone trap @ 5 / acre; 2. white fly- Spray Acetamiprid 20 SP 1.5g/10l (or) Dimethoate 30 EC 2.0 ml /l.
SUGARCANE	Mealy bug- Application of imidachloprid 17.8 SL 3 ml in 10 litres of water
JASMINE	Blossom midge- Spray Chlorantraniliprole 18.5 SC @ 0.5 ml/lit (or) Spray Novaluron 10 EC 3ml/lit.
GROUNDNUT	Root rot - To control apply trichoderma asperellum + bacillus subtilis 2.5 kg/ha with 50 kg of well decomposed FYM or sand at 30 DAS. Spot drench with carbendazim 1.0 g/lit.
Horticulture(Varieties)	Horticulture Specific Advisory
BRINJAL	Fruit borer- Spray Neem Seed Kernel Extract 5 % (or) Spray Dimethoate 30 % EC 7.0 ml/10 l. and Encourage the activity of larval parasitoids: <i>Pristomerus testaceus</i> , <i>Cremastus flavoorbitalis</i> .
Live Stock(Varieties)	Live Stock Specific Advisory
COW	During these periods, vaccinate 6-month-old calves and older animals against Haemorrhagic Septicaemia (HS) as advised by the veterinarian.

## Vellore

As per the IMD extended range forecast (ERF), Tamil Nadu and Puducherry may receive below normal rainfall and normal temperature for the period of 18.09.2022 to 24.09.2022. Light to moderate rainfall may be expected on forthcoming days. So, farmers are advised to avoid fertilizer application, insecticides or pesticides spray during rainy days. Light to moderate rainfall may be expected on forthcoming days. Hence, farmers are advised to provide adequate drainage for crops. Save excess water in farm ponds.

Crop(Varieties)	Crop Specific Advisory
RICE	Utilizing of expected rainfall nursery preparation may be done for Samba rice cultivation. Since rain is anticipated, provide drainage for the rice field and postpone irrigation.
GROUNDNUT	This is right time for spraying of TNAU groundnut rich 2kg /acre in 200 liters of water. Apply gypsum 400 kg / Ha at 45 days after sowing.
COW	Don't keep the cows nearby the river bond and water bodies Correct leaky roof of animal shed. Give 50% of dry fodder (to prevent diarrhoea ) and 50% of green fodder. Clean the udder before and after milking prevention measures for mastitis. Don't allow animals to drink stagnated unclean water. Give dewormers to calves below 3 months give

	Vaccination against Black quarter (BQ) and Hemorrhagic Septiemia (HS). Apply external parasiticide to prevent spread of protozoan diseases.
GOAT	First deworm the sheep and Goat . After one week give PPR Vaccine. After one month give Enterotoxaemia (ET) Vaccine. Don't leave the sheep and Goat on rains water stagnated area. Spray lime powder two times per week on ground to prevent hoof ulcer. Apply extoparasiticide on the body of sheep and Goat. Give Bolus sulphadimidine one for larger animals and 1/4 to kid or lamb.
Poultry(Varieties)	Poultry Specific Advisory
HEN	Maintain brooder temperature upto 98°F. Keep curtain closed during raining and night hours. Keep feed as dry/ normal avoid wetting. Give powder Amproleium or Rancox or super cox in drinking water for bloody diarrhea or Coccidiosis.

### Cuddalore

From extended range forecast below normal rainfall, maximum temperature and minimum temperature expected for the period of 18.09.2022 to 24.09.2022 over Tamil Nadu. Farmers are advised to irrigate the crop based on the soil moisture.

Crop(Varieties)	Crop Specific Advisory
RICE	1. Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 25% WG 100 g/ha or dimethoate 1.5ml/l. 2. Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray chlorantraniliprole 18.5% 150 ml/ha or flubendiamide 39.35 SC 50 g/ha during morning or evening hours.
SUGARCANE	1. Mealy bug and pokkahboeng infection identified in sugarcane crop. Mealy bug affect growth of plants and pokkahboeng cause death of young spindles of sugarcane crop. To control spray imidacloprid 17.8 SL 0.6 ml/l or carbendazim 1.0 g/l. 2. Due to prevailing weather condition changes of sugarcane early shoot borer infection. To control spray chlorantraniliprole 18.5 SC (0.5 ml/l) or fipronil 5 % SC (2 ml/l).
MAIZE	1. Maize growing farmers the fall army worm infection apply neem cake @ 250 kg/ha (farmer contribution) 2. Seed treatment with cyantraniliprole 19.8% + thiamethoxam 19.8 FS @ 4.0 ml/kg seed 3. Border cropping with gingelly or cowpea or sorghum 4. Installation of pheromone traps @ 12 nos./ha 5. Spraying of chlorantraniliprole 18.5 SC @ 0.4 ml/l (or) flubendiamide 20 WG (0.5 g/l) at 15-20 days of emergence (DAE) 6. Application of ememectin benzoate 5 SG (0.4 g/l) or spinetoram 11.7 SC (0.5 ml/l) at 35-40 DAE at late whorl stage and 60 DAE
GROUNDNUT	Due to prevailing weather condition there are chances of root rot infection in groundnut. To control apply trichoderma asperellum + bacillus subtilis 2.5 kg/ha with 50 kg of well decomposed FYM or sand at 30 DAS. Spot drench with carbendazim 1.0 g/lit.
COTTON	Due to prevailing weather condition there are chances of cotton green leaf hopper infestation. To control spray thiamethoxam 25 WG 0.6 gram/litre or imidacloprid 17.8 SL 0.6 ml/litre.
Horticulture(Va)	Horticulture Specific Advisory

rieties)	
TAPIOCA	Prevailing weather condition is favorable for mealy bug infestation in tapioca crop. To control spray fluonicamid 50 % WG 60 g/acre or spirotetramat 150 OD 250 ml/acre or thiamethoxan 25 WDG 40 g/acre.
BANANA	Due to prevailing weather condition favorable for sigatoka leaf spot infection in banana crop. To control spray carbendazim 1.0 g/l or propiconazole 1.0 ml/l or mancozeb 2.5 g/l and sticking agent at 10-15 days interval.
COCONUT	1. Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. 2. Encourage buildup of parasitoids ( <i>Encarsia</i> sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. 3. In sever case, spray neem oil 10 ml/lit of water or spray azadirachtin 2.0 ml/lit of water with 1.0 ml of sticking agent.

### Coimbatore

#### Agro Advisory

Crop	Stage	Advisory
General		Light rainfall is expected in western zone during next five days. Irrigation may be provided based on the soil moisture. Heavy wind speed above 20 km/hr is expected in Coimbatore district alone. By utilizing the light rainfall, land preparation may be initiated in rainfed black soil towards pre monsoon sowing.
Rice	Vegetative and Flowering	Kuruvai rice crop at flowering stage may be top dressed with 30 kg Urea and 10 kg Murate of potash per acre. Do not drain water in top dressed plot. Considering the light rainfall, nursery may be sown for Samba rice. In the evening impound water and drain in the next day morning to avoid summer saluting of sown seeds with rain. In the absence of wet nursery direct dry seeding of medium duration rice can be done with the sufficient rain.
Groundnut	Harvest	Since light rainfall is alone expected in forth coming days, groundnut may be harvested and shade dried with stalks.
Cotton	Sowing	Thinning of irrigated winter Combodia cotton and maize is advised to maintain population. Due to high soil moisture and relative humidity, flower shedding in cotton crop can be arrested by spraying NAA 40 PPM in 60 - 90 days after sowing. (40 mg of NAA dissolved in 1 liter of water will give the concentration of 40 PPM). To arrest the terminal growth nipping the terminal portion of the main stem beyond the 15 <sup>th</sup> node.
Sugarcane		Provide propping for early season and midseason planted canes against lodging with heavy wind anticipated in Coimbatore district. Considering the anticipated drizzling, second top dressing with 85 kg Urea + 25 kg Potash / acre may be given to late season planted cane, followed by earthing up.
Tomato	Planting	Leaf minor is observed in Tomato due to prevailing weather. To control spray 5 per cent Neem Seed Kernel Extract during non rainy period.
Banana		Expected Wind speed is more than 20 km per hour with rainfall, hence



		five months old banana may be provided with support against lodging. Avoid irrigation.
Turmeric		Due to rain and high relative humidity rhizome rot would initiate infection in turmeric. Drench with Bordeaux mixture 1% or Copper oxy chloride 0.25%. Due to continuous rainfall, micronutrient deficiency is observed irrigated turmeric. Hence, spray each 375 gram Ferrous sulphate, Zinc sulphate, borax and urea after mixing in 250 liters of water per hectare. Spray twice at 25 days interval.
Animal		Farmers are advised not to allow their animals to graze near pond or lake areas to avoid fluke infestation. Heavy wind and cloudiness may cause thirst for water in animals. Hence, provide adequate clean drinking water. Season is more favourable foot and mouth disease in animals. Farmers are advised to do Vaccination to the animals in nearby Veterinary hospitals. Due to high humidity both in the morning and evening favours aflatoxin in feed and fodder. Take enough caution to feed toxin materials.

#### SMS advisory

Due to high soil moisture and relative humidity, nipping the main stem terminal beyond 15<sup>th</sup> node is recommended to arrest the terminal growth.

### Erode

#### Agro Advisory

Crop	Stage	Advisory
General		Light rainfall is expected in western zone during next five days. Irrigation may be provided based on the soil moisture. Heavy wind speed above 20 km/hr is expected in Coimbatore district alone. By utilizing the light rainfall, land preparation may be initiated in rainfed black soil towards pre monsoon sowing.
Rice	Vegetative and Flowering	Kuruvai rice crop at flowering stage may be top dressed with 30 kg Urea and 10 kg Murate of potash per acre. Do not drain water in top dressed plot. Considering the light rainfall, nursery may be sown for Samba rice. In the evening impound water and drain in the next day morning to avoid summer saluting of sown seeds with rain. In the absence of wet nursery direct dry seeding of medium duration rice can be done with the sufficient rain.
Groundnut	Harvest	Since light rainfall is alone expected in forth coming days, groundnut may be harvested and shade dried with stalks.
Cotton	Sowing	Thinning of irrigated winter Combodia cotton and maize is advised to maintain population. Due to high soil moisture and relative humidity, flower shedding in cotton crop can be arrested by spraying NAA 40 PPM in 60 - 90 days after sowing. (40 mg of NAA dissolved in 1 liter of water will give the concentration of 40 PPM). To arrest the terminal growth nipping the

		terminal portion of the main stem beyond the 15 <sup>th</sup> node.
Sugarcane		Provide propping for early season and midseason planted canes against lodging with heavy wind anticipated in Coimbatore district. Considering the anticipated drizzling, second top dressing with 85 kg Urea + 25 kg Potash / acre may be given to late season planted cane, followed by earthing up.
Tomato	Planting	Leaf minor is observed in Tomato due to prevailing weather. To control spray 5 per cent Neem Seed Kernel Extract during non rainy period.
Banana		Expected Wind speed is more than 6 km per hour with rainfall, hence five months old banana may be provided with support against lodging. Avoid irrigation.
Turmeric		Due to rain and high relative humidity rhizome rot would initiate infection in turmeric. Drench with Bordeaux mixture 1% or Copper oxy chloride 0.25%. Due to continuous rainfall, micronutrient deficiency is observed irrigated turmeric. Hence, spray each 375 gram Ferrous sulphate, Zinc sulphate, borax and urea after mixing in 250 liters of water per hectare. Spray twice at 25 days interval.
Animal		Farmers are advised not to allow their animals to graze near pond or lake areas to avoid fluke infestation. Heavy wind and cloudiness may cause thirst for water in animals. Hence, provide adequate clean drinking water. Season is more favourable foot and mouth disease in animals. Farmers are advised to do Vaccination to the animals in nearby Veterinary hospitals. Due to high humidity both in the morning and evening favours aflatoxin in feed and fodder. Take enough caution to feed toxin materials.

#### SMS advisory

Due to high soil moisture and relative humidity, nipping the main stem terminal beyond 15<sup>th</sup> node is recommended to arrest the terminal growth.

### Tiruppur

#### Agro advisory

Crop	Stage	Advisory
General		Light rainfall is expected in western zone during next five days. Irrigation may be provided based on the soil moisture. Heavy wind speed above 20 km/hr is expected in Coimbatore district alone. By utilizing the light rainfall, land preparation may be initiated in rainfed black soil towards pre monsoon sowing.
Cotton	Sowing	Thinning of irrigated winter Combodia cotton and maize is advised to maintain population. Due to high soil moisture and relative humidity, flower shedding in cotton crop can be arrested by spraying NAA 40 PPM in 60 - 90 days after sowing. (40 mg of NAA dissolved in 1 liter of water will give the concentration of 40 PPM). To arrest the terminal growth nipping the terminal portion of the main stem beyond the 15th node.

Sugarcane		Provide propping for early season and midseason planted canes against lodging with heavy wind anticipated in Coimbatore district. Considering the anticipated drizzling, second top dressing with 85 kg Urea + 25 kg Potash / acre may be given to late season planted cane, followed by earthing up.
Tomato	Planting	Leaf minor is observed in Tomato due to prevailing weather. To control spray 5 per cent Neem Seed Kernel Extract during non rainy period.
Banana		Expected Wind speed is more than 6 km per hour with rainfall, hence five months old banana may be provided with support against lodging. Avoid irrigation.
Animal		Farmers are advised not to allow their animals to graze near pond or lake areas to avoid fluke infestation. Heavy wind and cloudiness may cause thirst for water in animals. Hence, provide adequate clean drinking water. Season is more favourable foot and mouth disease in animals. Farmers are advised to do Vaccination to the animals in nearby Veterinary hospitals. Due to high humidity both in the morning and evening favours aflatoxin in feed and fodder. Take enough caution to feed toxin materials.

SMS advisory

Due to high soil moisture and relative humidity, nipping the main stem terminal beyond 15th node is recommended to arrest the terminal growth.

#### **Ariyalur, Karur, Nagapattinam, Perambalur, Thanjavur and Tiruvarur**

Agro Advisory

Crop	Stage	Advisory
General		Postpone or avoid irrigation to all crops due to expected rainfall.
General		Farmers can utilize the mobile apps viz., (TNAU AAS, Meghdoot and DAMINI), for more updated weather information
Rice	Nursery	For rice nursery, applications of 2 kg DAP/cent is recommended. In rice nursery, spray Azadiractin 0.03% (3 ml/litre of water) with sticking agent Khadi Gopura Bar Soap @ 3g/litre to prevent thrips infection on 10 days after sowing.
Cattle	Cow	This situation is favorable for the development of Aflatoxin infection in the Corn kernels and Paddy Straw, which may affect the health of the cattle. To save them from infection, dry the Corn kernels and Paddy Straw before feeding.

SMS advisory

Postpone or avoid irrigation to all crops due to expected rainfall.

## Dindigul

Heavy Rainfall Warning: Heavy rain is likely to occur at isolated places over the district on 14 Sep 2022. Farmers are advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rain water. During these days farmers are advised to avoid irrigation, intercultural operations and application of plant protection measures to the standing crops, provide adequate drainage facilities in the fields to avoid water stagnation due to heavy rainfall, do not allow the animals to grazing outside, standing near the trees or electric poles & provide safe shelter. Chances of light to Moderate rain during the next five days. Max temp-31°C-32°C & Min temp -21°C-23°C. Generally cloudy sky for next 5 days. Wind speed 10-12 kmph from W & NW directions.

Crop(Varieties)	Crop Specific Advisory
SUGARCANE	The fertilizer application process can be done for the Sugarcane crop on non-rainy days. Apply 225 kg of nitrogen and 112 ½kg of K <sub>2</sub> O/ha in three equal splits at 30, 60 and 90 days. Mix 12 packets (2400g/ha) of Azospirillum with 25kg of FYM and 25kg soil and apply near the clumps on the 30th day of planting. Repeat the same on the 60th day with another 12 packets (2400gm).
COTTON	Farmers are advised to start the weeding operation in cotton. Apply Fluchloralin @ 2 litres/ha., three days after sowing, using a hand-operated sprayer fitted with deflecting or fan-type nozzle, it will control the weed up to the 25th day. The second weeding should be done with hoe and hand weed between 30th to 40th day after sowing.
COW	The (livestock) calf may be affected by tiredness, hence, the cattle rearers are advised to feed their calf with 30gms of mineral mixture per day. Also, de-worm your calf on a regular schedule with the support of a nearby veterinarian.
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Extended range Forecast for next week (16th – 22h Sep 2022): Rainfall: As per extended range predictions, there is possibility of below normal rainfall likely over the district during 16 to 22 Sep 2022. Maximum Temperature: Maximum temperatures is likely to be generally near normal and are likely to be in the range 26°C to 30°C over the plains of the district during next week. 16 to 22Sep 2022. Minimum Temperature: Minimum temperatures are likely to be generally near normal and are likely to be in the range 20°C to 24°C over the district during next week 16 to 22 Sep 2022.

## Madurai

Extended range Forecast for next week (16th – 22h Sep 2022): Rainfall: As per extended range predictions, there is possibility of below normal rainfall likely over the district during 16 to 22 Sep 2022. Maximum Temperature: Maximum temperatures is likely to be generally near normal and are likely to be in the range 26°C to 30°C over the plains of the district during next week. 16 to 22Sep 2022. Minimum Temperature: Minimum temperatures are likely to be generally near normal and are likely to be in the range 20°C to 24°C over the district during next week 16 to 22 Sep 2022. Chances of light rain during 14, 15 & 18 Sep. Max temp-35°C-36°C & Min temp -24°C-25°C. Partly cloudy sky for next 5 days. Wind speed 6 kmph from SW & NW directions.

Crop(Varieties)	Crop Specific Advisory
GROUNDNUT	At this stage weed management is very important in Groundnut cultivation, soil application of Groundnut Fluchloralin @ 2 litre/ha should be done before sowing followed by a light irrigation. During the pre-emergence stage, spray Fluchloralin @ 2 litre/ha or Pendimethalin @ 3.3litre/ha with 500 litres of water on the third day after sowing through a flat fan nozzle followed by irrigation.
SORGHUM (JOWAR/GREAT MILLET)	Farmers cultivating rain-fed sorghum can start sowing during this season. Places with an average rainfall of 250-300 mm are the most suitable. To withstand drought, the seeds should be hardened and then sown. Soak the seeds in a solution mixed with 20g of potassium di-hydrogen phosphate per litre of water for 6 hours and then dried back to its original moisture content in shade.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	The (livestock) calf may be affected by tiredness, hence, the cattle rearers are advised to feed their calf with 30gms of mineral mixture per day. Also, de-worm your calf on a regular schedule with the support of a nearby veterinarian.

#### Pudukottai

It is expected to receive rainfall in forthcoming days. Hence the vegetable and fruit and flower farmers are requested to do top dressing of manure and then earthing up operation. Gap filling may be done if already crop is sown.

Crop(Varieties)	Crop Specific Advisory
MAIZE	Due to the heavy rains of the last week and the continuous monsoon, the required rainfall is expected in due course. Preparation of land for sowing of rainfed maize. Field Preparation Chisel the soil having hard pan formation at shallow depths with chisel plough at 0.5 M interval first in one direction and then in the direction perpendicular to the previous one once in three years. Apply 12.5 t/ha of FYM or compost or composted coir pith besides chiselling, to get an additional yield of about 30% over control. Seed Rate Select good quality seeds. Adopt the seed rate @ 20 kg/ha for hybrids and 25 kg/ha. for varieties.
COCONUT	Bud rot management in coconut Due to changing of climate bud rot infestation was noticed in coconut young seedlings. To control this disease soil drenching of copper oxy chloride @ 5 gram / liter of water / plant may be undertaken.
Live Stock(Varieties)	Live Stock Specific Advisory

COW	Despite the fact that green fodder is abundantly available during the rainy season and also there are more chances for consumption of green fodder by cattle. This is due to the fact that an increase in consumption of green fodder can lead to the occurrence of green diarrhoea and a problem of Acidosis. Ensure that the fodder given to animals is mixed with larger quantities of dry fodder at this time.
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
AGRI FIELD	Nitrogen fertilizers should be mixed with neem paste or mixed with tar so that the water and crop nutrient absorption is less as the clouds and air humidity are high for the last few days. Thus the utilization capacity of the nutrients will be higher.

### Ramanathapuram

Apply micro-nutrient 5kg/ac to the soil before paddy sowing for better growth and development. From extended range forecast, below normal rainfall, Normal maximum temperature and Minimum temperature expected for the period of September 18 to September 24 over Tamil Nadu.

Crop(Varieties)	Crop Specific Advisory
RICE	On the day of sowing, hardening the seeds with 1% KCl for 6 hours and 16 hours of shade dried the seeds to bring the storable moisture and Early and uniform establishment and growth.
RICE	Farmers are advised to sown drought tolerant rice varieties like Anna 4, Co 51, ADT45 and CO 53

### Sivagangai

Extended range Forecast for next week (16th – 22h Sep 2022): Rainfall: As per extended range predictions, there is possibility of below normal rainfall likely over the district during 16 to 22 Sep 2022. Maximum Temperature: Maximum temperatures is likely to be generally near normal and are likely to be in the range 26°C to 30°C over the plains of the district during next week. 16 to 22Sep 2022. Minimum Temperature: Minimum temperatures are likely to be generally near normal and are likely to be in the range 20°C to 24°C over the district during next week 16 to 22 Sep 2022. Chances of light rain during 14, 15 & 18 Sep. Max temp-34°C-35°C & Min temp -26°C-27°C. Generally cloudy sky for next 5 days. Wind speed 6-8 kmph from SE & E directions.

Crop(Varieties)	Crop Specific Advisory
GROUNDNUT	To increase the flower retention and pod filling in Groundnut. Farmers are advised to give two sprays of Groundnut rich @ 5kg/ha in 500 litres of water (for each spray). First spray, at 35 days after sowing and the second spray at 45 days after sowing.
Horticulture(Varieties)	Horticulture Specific Advisory

ONION	Due to the prevailing weather condition, there are chances for incense of Downy mildew in Onion. The symptoms of the disease are white downy growth appearing on the surface of the leaves. Finally, the infected leaves are dried up. To control this, spray Propineb @ 350gm per acre. After 10 days, spray Pseudomonas @100gm + Trichoderma Viride @100gm per 10 litres of water.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	The (livestock) calf may be affected by tiredness, hence, the cattle rearers are advised to feed their calf with 30gms of mineral mixture per day. Also, de-worm your calf on a regular schedule with the support of a nearby veterinarian.

### Theni

Heavy Rainfall Warning: Heavy rain is likely to occur at isolated places over the district on 14 Sep 2022. Farmers are advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rain water. During these days farmers are advised to avoid irrigation, 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 grazing outside, standing near the trees or electric poles & provide safe shelter. Chances of light rain during 14, 16, 18 Sep & Moderate rain on 15 Sep. Max temp-31°C-32°C & Min temp -20°C-21°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from W direction.

Crop(Varieties)	Crop Specific Advisory
COTTON	Nutrition disorders may be found in Cotton. In the case of Zinc deficient soils, apply ZnSO <sub>4</sub> @ 50kg/ha as basal or ZnSO <sub>4</sub> 0.5% spray thrice at 45, 60 and 75 DAS. When reddening occurs in leaves apply 5% MgSO <sub>4</sub> , Urea (1%) and ZnSO <sub>4</sub> (0.10%) as a foliar spray on the 50th and 80th day to correct this malady. In Mg deficient areas apply MgSo <sub>4</sub> @ 20 kg/ha basally. Need-based foliar spray of 2% MgSo <sub>4</sub> + 1% Urea during boll formation stage.
Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	There is a chance of the spread of soil-borne diseases in the tomato crop planted under rain fed conditions. To control such diseases, apply biocontrol agents like Trichoderma viride and Pseudomonas fluorescence each at 5 kg per acre well mixed with adequate farm yard manure..
Live Stock(Varieties)	Live Stock Specific Advisory
COW	The (livestock) calf may be affected by tiredness, hence, the cattle rearers are advised to feed their calf with 30gms of mineral mixture per day. Also, de-worm your calf on a regular schedule with the support of a nearby veterinarian.
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory

GENERAL ADVICE	Extended range Forecast for next week (16th – 22h Sep 2022): Rainfall: As per extended range predictions, there is possibility of below normal rainfall likely over the district during 16 to 22 Sep 2022. Maximum Temperature: Maximum temperatures is likely to be generally near normal and are likely to be in the range 26°C to 30°C over the plains of the district during next week. 16 to 22Sep 2022. Minimum Temperature: Minimum temperatures are likely to be generally near normal and are likely to be in the range 20°C to 24°C over the district during next week 16 to 22 Sep 2022.
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### Salem

#### Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Salem:		
Brinjal	Vegetative	The prevailing weather would favour the occurrence of bacterial wilt in brinjal. To manage bacterial wilt, mix 500 g copper oxychloride or 100 g of streptomycin sulphate (per acre) in 200 l of water.
Ladies finger	Vegetative	There are chances of occurrence of powdery mildew in ladies finger, to control the fungal growth, spray carbendazim 200 g/ac or mancozeb 500g/ac.
Castor	collar rot	Light to moderate rain is expected in the forthcoming days to, hence Provide proper drainage to prevent collar rot and soil drenching with 2.5 g of copper oxy chloride in 1l water to control collar rot after the rain
Paddy	Vegetative	In rice for the management of blast, treat the seeds with Carbendazim or Tricyclozole at 2 /lit of water for 1 kg of seed for 2 h before sowing or spray Metominostrobin 20 SC @ 500ml/ha (or)Azoxyastrobin 25 SC @ 500 ml/ha.
Mango	Vegetative	To control the hopper incidence in mango spray Wettable sulphur @ 25 g/10 lor 6 g/10l Acetamiprid or thiamethoxam 6g/10 l of water.
Crops	White grub:	To management the white grubs that damages a variety of crops do, crop rotation with paddy, in the infested fields collect the white grubs and destroy them, Use Beauveria and Metarhizium @ 4kg/ha each mixed well 500 kg of decomposed farm yard manure during the last ploughing (just before planting) to avoid white grub damage. Soil application of imidacloprid 40 + fipronil 40 -80 wg at the rate of 200g/ac mixed well with 50 kg of sand and then irrigate the field
Banana	Vegetative	Due to prevailing weather condition favorable for sigatoka leaf spot infection in banana crop. To control sprayCarbendazim 0.1 % or Propicanazole 0.1 % or Mancozeb 0.25% and teepol (sticking agent) at 10-15 days interval.
Poultry	Desi chicken	While rearing desi chicken in deep litter system of housing , care should be taken to should be avoid excess moisture content in litter material ( groundnut husk, paddy husk) if excess moisture is Observed



		in litter material, lime powder absorbs the excess moisture and also it acts as disinfectant and reduces the microbial load inside the shed.
	Chick	During brooding of young chicks in brooder, artificial heat should be given by using incandescert bulb at the rate of 2 watt / chick. Silpaulins / tarpaulins should be placed on either side of poultry house to prevent entry of rain water inside the shed.

### Namakkal

#### Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	Sheep and Goat	<p>PPR is an acute contagious viral disease affects small ruminants (goat &amp; sheep) with high rate of morbidity and mortality. It is prevalent throughout Tamil Nadu and reported all round the year. The virus is shed in tears, nasal discharge from coughing and in the faeces of the infected goats and sheep. Close contact between healthy and infective animals in confinements, in shandies and during festivals results in out breaks. New stocks of animals introduced into the farm without quarantine also results in outbreaks.</p> <p style="text-align: center;">Symptoms</p> <p>Sudden onset of fever, severe depression and loss of appetite. Clear nasal discharge at first, then becoming thick mucopurulent followed by blocking of airways breathing gives a putrid odour to the breath. Cough occurs in later stages mostly after 5 – 10 days due to bronchopneumonia. In early stage, accumulation of dead cells on the lower gums and commissures ; ulcers in dental pad, hard palate, cheeks and tongue. Foul smelling diarrhoea and young animals are mostly severely affected. Goats are affected more than sheep.</p> <p style="text-align: center;">Vaccination</p> <p>Vaccination to be given before monsoon. First vaccinate all the goats / sheep in the age of 4 months and above. Revaccination to be done annually. Avoid vaccinating the animals in advanced stages of pregnancy and lactating animals.</p>
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Sugarcane	Growing stage	Ratoon sugarcane growers are requested to sow 4 – 6 kg of black gram seeds per acre in between the rows of sugarcane plant in order to control the weeds and conserve moisture.
Tree crops	General	Tree growers are requested to grow 50 gram sun hemp or daincha or multigrains and uproot the plants before flowering and cover with soil after withering of plants instead of applying decomposed manure.

Tapioca	General	Due to change in climate mealy bug incidence was reported in Tapioca crop. To control this foliar spraying of neem oil 3 ml and adjuvant 1ml in 1 litre of water can be done for 2 times at 15 days interval.
Banana	Vegetative stage	Farmers are requested to apply banana shakthi @ 20 gram / litre of water along with lemon juice at 3 , 5 and 7 month after planting to increase the yield of banana.

### Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture:

Crop/ Ecosystem	Stage / Activities	Advisories
Bhendi	Fruit stage	Fruit borer in Bhendi incidence Spraying of Bacillus thuringiensis @ 400 g/ac or emamectin benzoate 5 % SG @ 60 g/ ac or quinalphos 25 EC @ 160 ml/ac is recommended for effective management of fruit borer.
Chilli	Vegetative stage	Muranai mite in Chilli incidence spraying of fenazaquin 10 EC @ 2.0 ml /lit (or) fenpyroximate 5EC @ 1.0 ml/ lit for Muranai mite.
Tomato	Fruit stage	Fruit borer in tomato incidence spray of Azadirachtin 1% EC (10000 ppm) @ 400 ml /ac (or) Bacillus thuringiensis @400 g / ac is recommended during evening hours.
Tuberose	Flowering stage	Tuberose nematode incidence Stunted patches of plants with unthrifty growth, Leaves tura pale yellow, Reduction of no. of flowers, Moderate to severe galling in the roots, Control measures :Apply carbofuran 3 G @ 1.0 kg a.i/ha.

SMS: Rain: Light to Moderate rainfall: Chilli - Muranai mite incidence spray fenazaquin 10 EC @ 2.0 ml /lit (or) fenpyroximate 5EC @ 1.0 ml/ lit.

### Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	Sheep and Goat	<p>PPR is an acute contagious viral disease affects small ruminants (goat &amp; sheep) with high rate of morbidity and mortality. It is prevalent throughout Tamil Nadu and reported all round the year. The virus is shed in tears, nasal discharge from coughing and in the faeces of the infected goats and sheep. Close contact between healthy and infective animals in confinements, in shandies and during festivals results in out breaks. New stocks of animals introduced into the farm without quarantine also results in outbreaks.</p> <p style="text-align: center;"><b>Symptoms</b></p> <p>Sudden onset of fever, severe depression and loss of appetite. Clear nasal discharge at first, then becoming thick mucopurulent</p>

		<p>followed by blocking of airways breathing gives a putrid odour to the breath.</p> <p>Cough occurs in later stages mostly after 5 – 10 days due to bronchopneumonia</p> <p>In early stage, accumulation of dead cells on the lower gums and commissures ; ulcers in dental pad, hard palate, cheeks and tongue.</p> <p>Foul smelling diarrhoea and young animals are mostly severely affected.</p> <p>Goats are affected more than sheep.</p> <p>Vaccination</p> <p>Vaccination to be given before monsoon.</p> <p>First vaccinate all the goats / sheep in the age of 4 months and above.</p> <p>Revaccination to be done annually.</p> <p>Avoid vaccinating the animals in advanced stages of pregnancy and lactating animals.</p>
Agro advisory from Krishi Vigyan Kendra		
Sugarcane	Growing stage	Ratoon sugarcane growers are requested to sow 4 – 6 kg of black gram seeds per acre in between the rows of sugarcane plant in order to control the weeds and conserve moisture.
Tree crops	General	Tree growers are requested to grow 50 gram sun hemp or daincha or multigrains and uproot the plants before flowering and cover with soil after withering of plants instead of applying decomposed manure.
Tapioca	General	Due to change in climate mealy bug incidence was reported in Tapioca crop. To control this foliar spraying of neem oil 3 ml and adjuvant 1ml in 1 litre of water can be done for 2 times at 15 days interval.
Banana	Vegetative stage	Farmers are requested to apply banana shakthi @ 20 gram / litre of water along with lemon juice at 3 , 5 and 7 month after planting to increase the yield of banana.

### Karaikal

Crop/ Livestock	Stage/ Particulars	Agro Advisory
Rice	Main field preparation	Before planting or direct sowing, efficient drainage facilities may be provided to avoid flooding of fields.
	Sowing	For direct seeded rice, sowing may be done up to 30th September.
	Fertilizer application	Apply urea @ 37 kg/ha, DAP @ 100 kg/ha, potash @ 25 kg/ha, zinc sulphate @ 25 kg/ha and gypsum @ 500 kg/ha as basal for samba paddy crop before transplanting. For direct seeded rice, apply 50 kg of P <sub>2</sub> O <sub>5</sub> /ha as basally in the last plough and level the field to have uniform crop stand and provide shallow trenches (15 cm width) at an interval of 3 m all along the field to facilitate the draining of excess water in case of heavy rainfall at the early growth stage of rice.
		In paddy, to control weeds in nursery area of 800 m <sup>2</sup> , apply pre-emergence herbicide Butachlor 160 ml at 8th DAS with sand.

	Weeding	To manage weeds in direct wet seeded rice, apply pyrazosulfuron ethyl @ 200 g/ha at 3-5 days after sowing. To manage weeds in direct dry seeded rice, apply pendimethalin @ 3.3 l/ha on 3 days after sowing (DAS) followed by bispyripac sodium @ 200 ml/ha as early post emergence (20 DAS) and followed by hand weeding on 40 DAS to manage weeds.
Cattle	Paddy straw enriching	During rainy days, urea enriched paddy straw can be prepared and used for cattle (To enrich 100 kg of paddy straw, dissolve 4 kg urea in 65 litres of water and sprinkle prepared urea solution over the paddy straw and cover it. After 21 days the urea treated paddy straw can be used for feeding).
	Vaccination	Before the onset of monsoon, animals may be vaccinated for Foot and Mouth Disease and Hemorrhagic Septicemia.
	Deworming	Grazing animals that are drinking pond water should be dewormed.

SMS Advisory: Light rain is expected for next few days. Hence, postpone irrigation to crops

### Puducherry

Crop	Stage/ Particulars	Agro Advisory
Coconut	Fruiting stage	Pest population occurs round the year but population maximum during June – Sep coinciding with the onset of monsoon. To Control Rhinoceros beetle in coconut, Set up Rhino lure pheromone trap @ 5 traps/ha to trap and kill the beetles. Soak castor cake at 1 kg in 5 liter of water in small mud pots and keep them in the coconut gardens to attract and kill the adults. Apply mixture of neem seed powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown.
Sugarcane	Tillering stage	To Control Mealybug in Sugarcane, Avoid excessive watering, Spray Dimethoate 30%Ec 1ml/litre, Spraying should be done only on stem not leaves.
Jasmine	Flowering stage	Due to prevailing weather condition, there may be changes of budworm infestation in jasmine. To control budworm, Setup 4 helilure sex pheromone trap per acre, spray Bacillus thuringiensis 2g/ lit.
General advice		To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely. As rain is expected in the coming days, it is advised to provide adequate drainage in the fields. As rains are expected in the coming days, it is advised to harvest and protect the agricultural and horticultural crops that are in harvesting stage.

SMS Advisory: Light to Moderate rainfall will be expected in the forthcoming days so, avoid and don't spray any chemicals to crop and better to spray chemicals at the time of no rain

## BLOCK LEVEL FORECAST

### CHENNAI DISTRICT

#### **Chennai Block**

From extended range forecast Below normal rainfall, normal maximum temperature and minimum temperature expected for the period of 18.09.2022 to 24.09.2022 over Tamil Nadu. (16.09.22-18.09.22) Light to moderate rain is likely to occur at isolated places over Tamilnadu.

Live Stock(Varieties)	Live Stock Specific Advisory
COW	1. Livestock must be give medicated bath to avoid ectoparasite infestation. Moreover dipping must be done on a sunny day The surplus fodder available must be preserved as silage for summer feeding
RABBIT	2. Scabies affected rabbits must be isolated and treated. The cage must be disinfected with flame gun.
PIG	5. To prevent the methane and ammonia accumulation in pig sty provision of proper ventilation is necessary
GOAT	9. Plantation of trees around the livestock shed not only enhances ventilation but also prevent heat stress particularly dairy cattle.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	8. Add 5% shell grit in laying hens for optimum egg production

### TIRUVANNAMALAI DISTRICT

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

As per the IMD extended range forecast (ERF), Tamil Nadu and Puducherry may be receive below normal rainfall and normal temperature for the period of 18.09.2022 to 24.09.2022. Light to moderate rainfall may be expected on forthcoming days. So, farmers are advised to avoid fertilizer application, insecticides or pesticides spray during rainy days. (16.09.22-18.09.22) Light to moderate rain is likely to occur at isolated places over Tamilnadu.

Crop(Varieties)	Crop Specific Advisory
RICE	Utilizing of expected rainfall nursery preparation may be done for Samba rice cultivation. Since rain is anticipated, provide drainage for the rice field and postpond irrigation.
GROUNDNUT	This is right time for spraying of TNAU groundnut rich 2kg /acre in 200 liters of water. Apply gypsum 400 kg / Ha at 45 days after sowing.
Live Stock(Varieties)	Live Stock Specific Advisory

COW	Don't keep the cows nearby the river bond and water bodies Correct leaky roof of animal shed. Give 50% of dry fodder (to prevent diarrhoea ) and 50% of green fodder. Clean the udder before and after milking prevention measures for mastitis. Don't allow animals to drink stagnated unclean water. Give dewormers to calves below 3 months give Vaccination against Black quarter (BQ) and Hemorrhagic Septi Cemia (HS). Apply external parasiticide to prevent spread of protozoan diseases.
GOAT	First deworm the sheep and Goat . After one week give PPR Vaccine. After one month give Enterotoxaemia (ET) Vaccine. Don't leave the sheep and Goat on rains water stagnated area. Spray lime powder two times per week on ground to prevent hoof ulcer. Apply extoparasiticide on the body of sheep and Goat. Give Bolus sulphadimidine one for larger animals and 1/4 to kid or lamb.

### VILLUPURAM DISTRICT

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

From extended range forecast below normal rainfall, maximum temperature and minimum temperature expected for the period of 18.09.2022 to 24.09.2022 over Tamil Nadu. (16.09.22-18.09.22) Light to moderate rain is likely to occur at isolated places over Tamilnadu.

Crop(Varieties)	Crop Specific Advisory
RICE	1. Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 25% WG 100 g/ha or dimethoate 1.5ml/l. 2. Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray chlorantraniliprole 18.5% 150 ml/ha or flubendiamide 39.35 SC 50 g/ha during morning or evening hours.
SUGARCANE	1. Mealy bug and pokkahboeng infection identified in sugarcane crop. Mealy bug affect growth of plants and pokkahboeng cause death of young spindles of sugarcane crop. To control spray imidacloprid 17.8 SL 0.6 ml/l or carbendazim 1.0 g/l. 2. Due to prevailing weather condition changes of sugarcane early shoot borer infection. To control spray chlorantraniliprole 18.5 SC (0.5 ml/l) or fipronil 5 % SC (2 ml/l).
Horticulture(Varieties)	Horticulture Specific Advisory
BANANA	Due to prevailing weather condition favorable for sigatoka leaf spot infection in banana crop. To control spray carbendazim 1.0 g/l or propiconazole 1.0 ml/l or mancozeb 2.5 g/l and sticking agent at 10-15 days interval.
COCONUT	1. Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. 2. Encouragebuildup of parasitoids (Encarsia sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. 3. In sever case, spray neem oil 10 ml/lit of water or spray azadirachtin 2.0 ml/lit of water with 1.0 ml of sticking agent.

## PUDUCHERRY

General Advisory: Light to moderate rain is likely to occur on 14.09.2022. Light to moderate rain with thunderstorm and lightning is likely to occur on 15.09.2022. Dry weather from 16th - 18th September 2022

SMS Advisory: Light to Moderate rainfall will be expected in the forthcoming days so, avoid and don't spray any chemicals to crop and better to spray chemicals at the time of no rain.

Crop(Varieties)	Crop Specific Advisory
SUGARCANE	Tillering stage - To Control Mealybug in Sugarcane, Avoid excessive watering, Spray Dimethoate 30%Ec 1ml/litre, Spraying should be done only on stem not leaves.
JASMINE	Flowering stage - Due to prevailing weather condition, there may be changes of budworm infestation in jasmine. To control budworm, Setup 4 helilure sex pheromone trap per acre, spray Bacillus thuringiensis 2g/ lit.
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Fruiting stage Pest population occurs round the year but population maximum during June – Sep coinciding with the onset of monsoon. To Control Rhinoceros beetle in coconut, Set up Rhino lure pheromone trap @ 5 traps/ha to trap and kill the beetles. Soak castor cake at 1 kg in 5 liter of water in small mud pots and keep them in the coconut gardens to attract and kill the adults. Apply mixture of neem seed powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown.

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