



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

## **DISTRICT LEVEL**

# **Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 075/2022**

For the period 0830 IST, 20<sup>th</sup> September 2022 to  
0830 IST, 25<sup>th</sup> September 2022

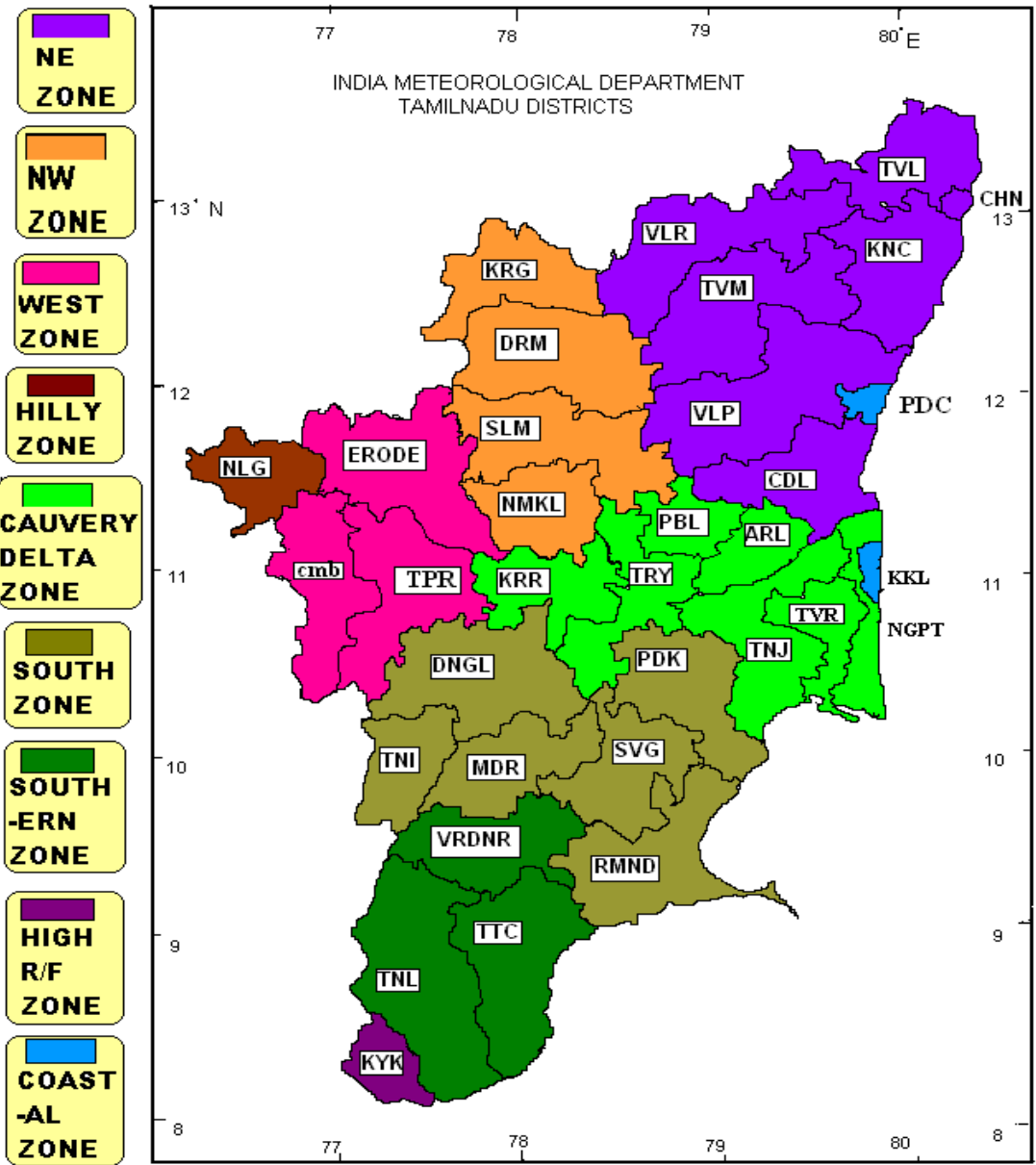
**Issued on Tuesday, 20<sup>th</sup> September 2022**

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, Tiruvarur, 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 16.09.22 to 19.09.22 for the State of Tamilnadu & Puducherry

### Temperature:

Maximum Temperature of range 30°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 09°C - 11°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)	16.09.22, 17.09.22, 18.09.22 & 19.09.22	Tamil Nadu
Dry	16.09.22, 17.09.22, 18.09.22 & 19.09.22	Puducherry

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

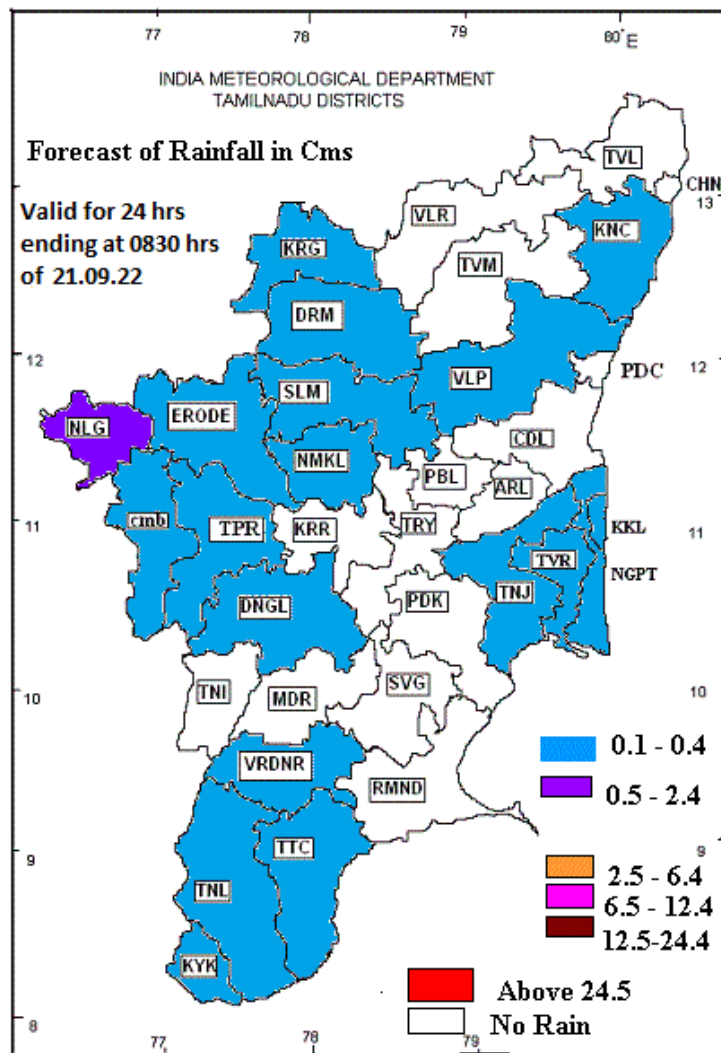
**16.09.22** : Sethiathope (dist Cuddalore), Yercaud (dist Salem) 3 each, Kovilankulam (dist Virudhunagar), Aruppukottai KVK (dist Virudhunagar) 2 each.

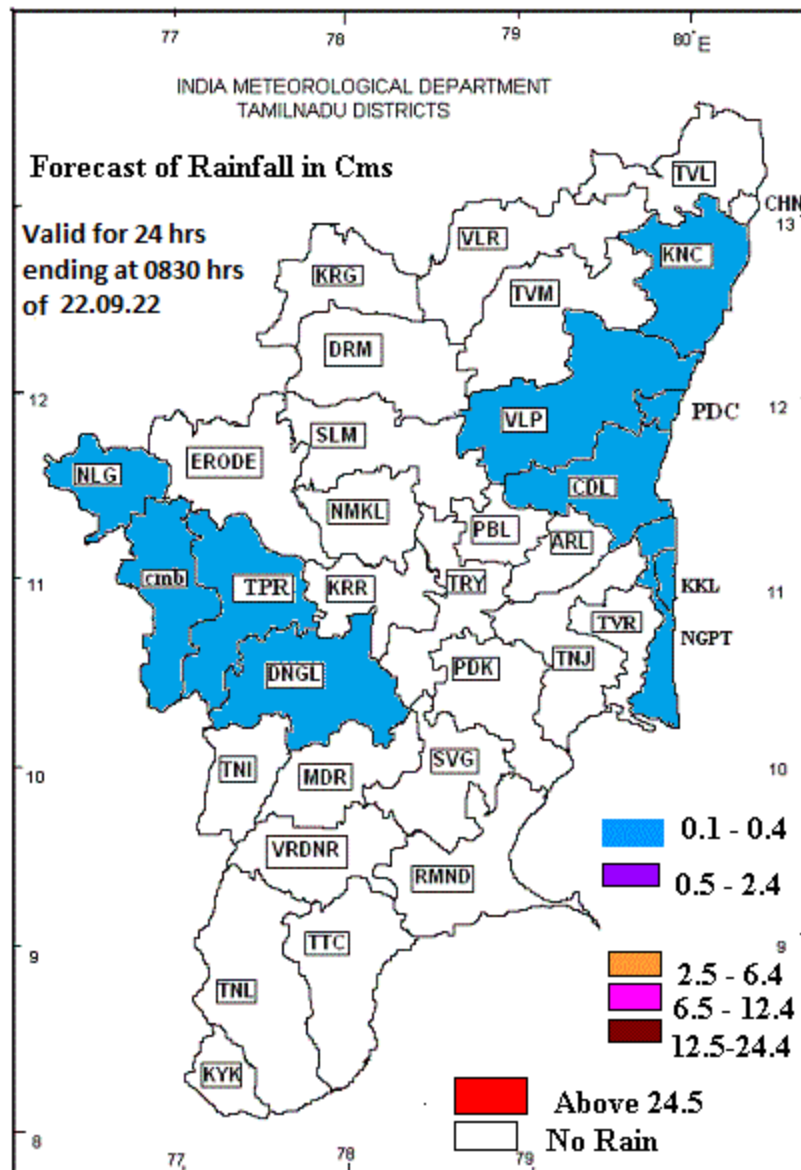
**17.09.22** : Thamaraiykkam (dist Tiruvallur) 5, Red Hills (dist Tiruvallur) 4, Puzhal ARG (dist Tiruvallur), Poondi (dist Tiruvallur) 3 each, Tiruttani PTO (dist Tiruvallur), Tiruttani (dist Tiruvallur) 2 each, Cholavaram (dist Tiruvallur), Ambathur (dist Tiruvallur), Tiruvallur (dist Tiruvallur), Ponneri (dist Tiruvallur) 1 each.

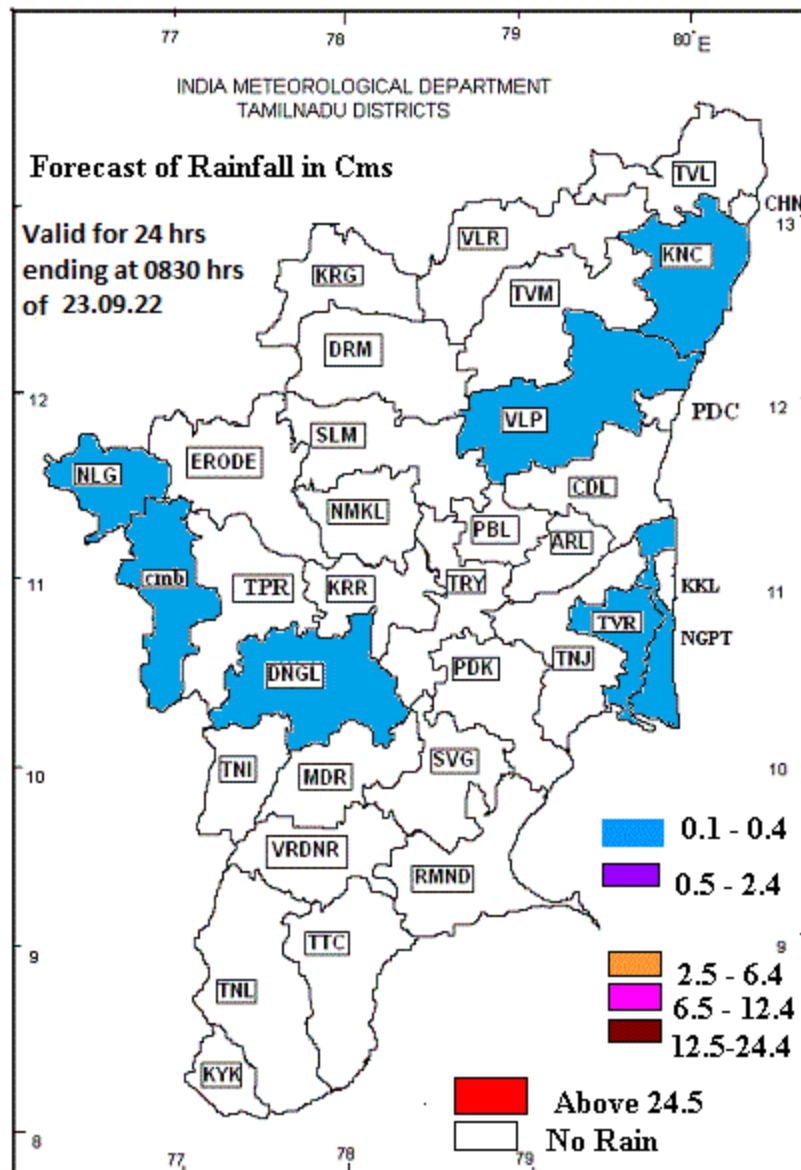
**18.09.22** : Mahabalipuram (dist Chengalpattu), Kovilpatti (dist Toothukudi), Sriperumbudur (dist Kancheepuram), Pandalur (dist Nilgiris) 3 each, Tambaram (dist Chengalpattu), Madavaram AWS (dist Tiruvallur) 2 each, Lower Kothaiyar ARG (dist Kanyakumari), Ponnai Dam (dist Vellore), Arakonam (dist Ranipet), Thirupporur (dist Chengalpattu), Devala (dist Nilgiris), Sholingur (dist Ranipet), Maduranthagam (dist Chengalpattu), Wood Braiyar Estate (dist Nilgiris) 1 each.

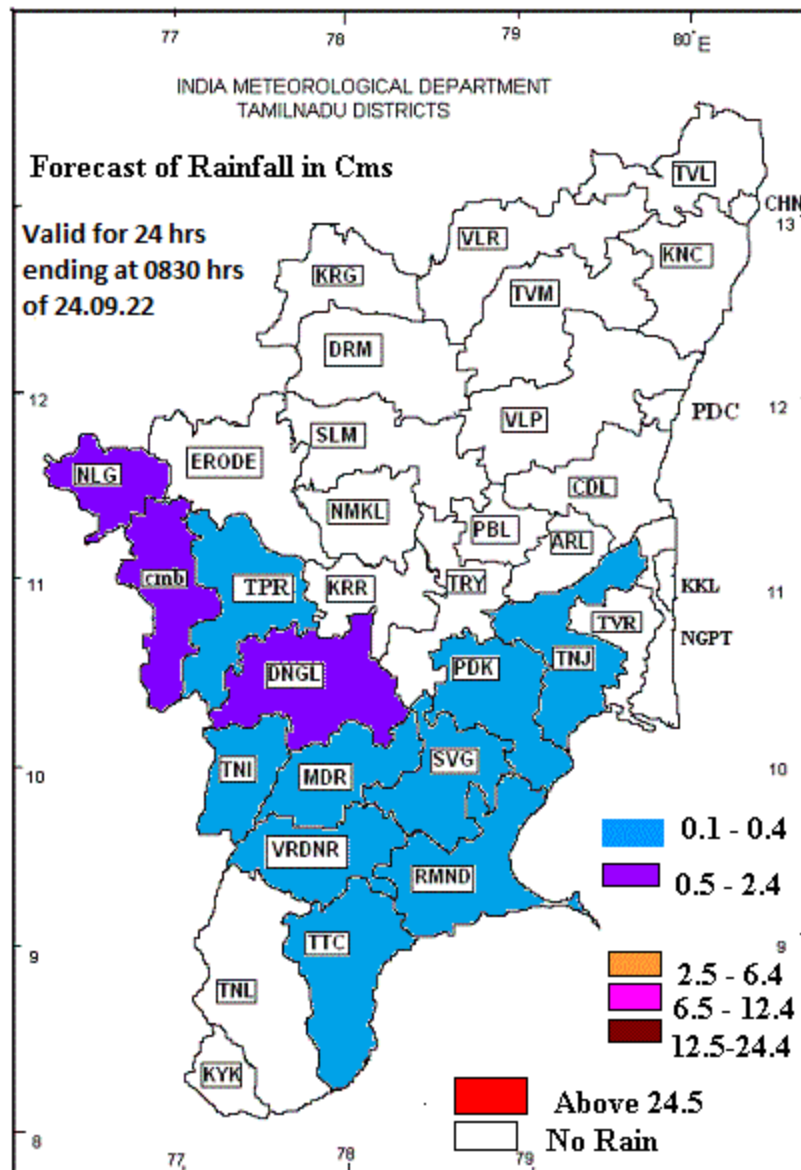
**19.09.22** : Avudayarkoil (dist Pudukkottai), Alakari Estate (dist Nilgiris), Aruppukottai (dist Virudhunagar), Alangudi (dist Pudukkottai) 4 each, Karaikudi (dist Sivaganga), Thiruchuzhi (dist Virudhunagar), Arantangi (dist Pudukkottai), Melur (dist Madurai), Jayamkondam (dist Ariyalur), Vamban KVK (dist Pudukkottai), Ketti (dist Nilgiris), 3 each, Virudhunagar (dist Virudhunagar), Manamelkudi (dist Pudukkottai), Kovilankulam (dist Virudhunagar), Tiruchengode (dist Namakkal), Lower Kothaiyar ARG (dist Kanyakumari), Aruppukottai KVK (dist Virudhunagar) 2 each, Chinnakalar (dist Coimbatore), Tirupuvanam (dist Sivaganga), Pulipatti (dist Madurai), Mayiladuthurai (dist Mayiladuthurai), Airport Madurai (dist Madurai), Coonoor (dist Nilgiris), Coonoor Pto (dist Nilgiris), Kariyapatti (dist Virudhunagar), Tallakulam (dist Madurai), Sivaganga (dist Sivaganga), Tirumayam (dist Pudukkottai), Arimalam (dist Pudukkottai), Kamudhi (dist Ramanathapuram) 1 each.

**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 20.09.22  
VALID FOR THE NEXT 5 DAYS**

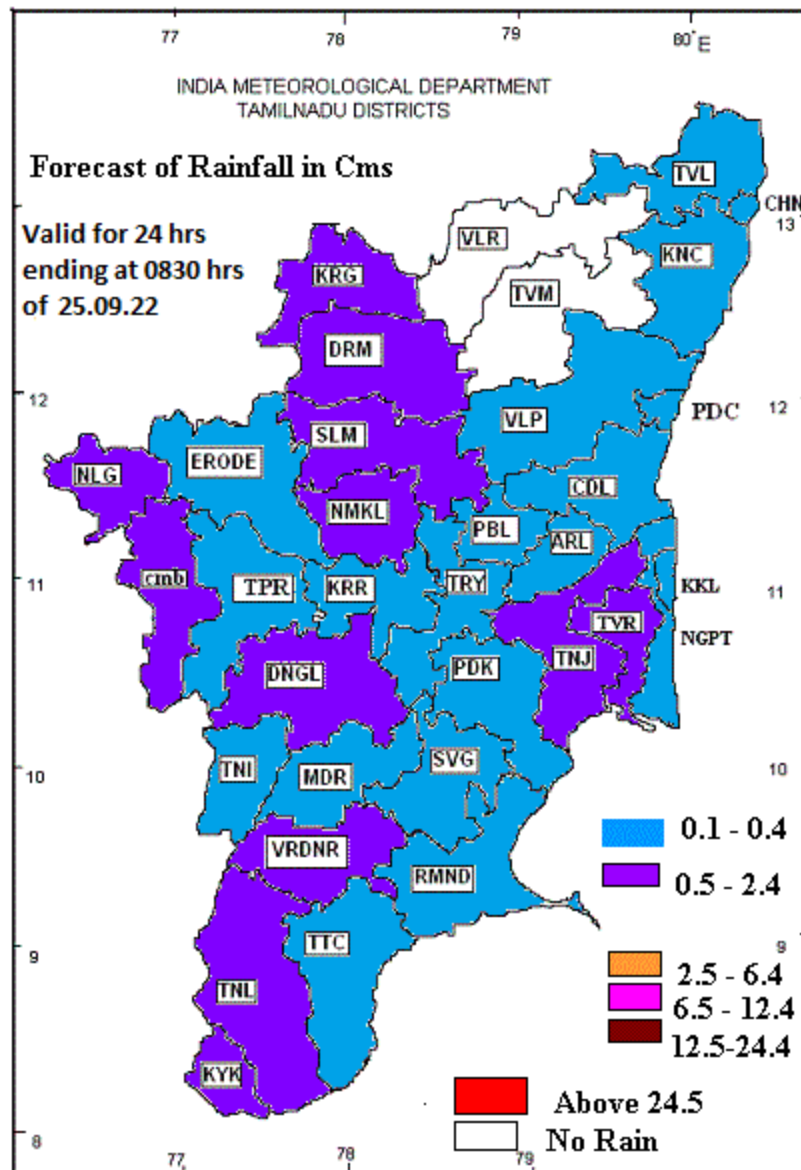












## District-wise Agromet Advisories

### Chennai

SMS Advisory:

(21.09.22-25.09.22) Light to moderate rain is likely to occur at isolated places over Tamilnadu, Livestock Advisory

- 1.The floors in the livestock shelter must be cleaned and maintained damp free to prevent water logging, Moreover the floors must be sprinkled with bleaching powder to maintain biosecurity in farm.
- 2.The floor of nursery piglet shed must be cleaned with luke warm saline or with any other commercial disinfectant to prevent E.coli infection, which in adverse cases of infection leads to diarrhoea and mortality.
- 3.The sheep and goat must be vaccinated against Enterotoxaemia infection.
- 4.To prevent mosquitoes menace the livestock shed may be fumigated with Vitex Negundo dried leaves once in a week
- 5.The newly kidded doe must be vaccinated with TT (Tetanus Toxide)
- 6.Sporadic incidence of Blue Tongue infection may occur in small ruminants. Hence stringent measures must be taken to control fly vector, (Culicoides).
- 7.Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating.
- 8.The stagnated water around the poultry farms must be cleared immediately, to avoid the development of intermediate host of poultry cestode which tends to develop in stagnated water.

### Chennai Block level

From extended range forecast Normal rainfall, normal maximum temperature and minimum temperature expected for the period of 25.09.2022 to 01.10.2022 over Tamil Nadu. (21.09.22-25.09.22) Light to moderate rain is likely to occur at isolated places over Tamilnadu.

Live Stock(Varieties)	Live Stock Specific Advisory
COW	The floors in the livestock shelter must be cleaned and maintained damp free to prevent water logging, Moreover the floors must be sprinkled with bleaching powder to maintain biosecurity in farm.
PIG	2. The floor of nursery piglet shed must be cleaned with luke warm saline or with any other commercial disinfectant to prevent E.coli infection, which in adverse cases of infection leads to diarrhoea and mortality
GOAT	3. The sheep and goat must be vaccinated against Enterotoxaemia infection
SHEEP	6. Sporadic incidence of Blue Tongue infection may occur in small ruminants. Hence stringent measures must be taken to control fly vector, (Culicoides).
RABBIT	7. Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	8. The stagnated water around the poultry farms must be cleared immediately, to avoid the development of intermediate host of poultry cestode which tends to develop in

	stagnated water
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## Kancheepuram

### SMS Advisory:

(21.09.22-25.09.22) Light to moderate rain is likely to occur at isolated places over Tamilnadu, Livestock Advisory

- 1.The floors in the livestock shelter must be cleaned and maintained damp free to prevent water logging, Moreover the floors must be sprinkled with bleaching powder to maintain biosecurity in farm.
- 2.The floor of nursery piglet shed must be cleaned with luke warm saline or with any other commercial disinfectant to prevent E.coli infection, which in adverse cases of infection leads to diarrhoea and mortality.
- 3.The sheep and goat must be vaccinated against Enterotoxaemia infection.
- 4.To prevent mosquitoes menace the livestock shed may be fumigated with Vitex Negundo dried leaves once in a week
- 5.The newly kidded doe must be vaccinated with TT (Tetanus Toxide)
- 6.Sporadic incidence of Blue Tongue infection may occur in small ruminants. Hence stringent measures must be taken to control fly vector, (Culicoides).
- 7.Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating.
- 8.The stagnated water around the poultry farms must be cleared immediately, to avoid the development of intermediate host of poultry cestode which tends to develop in stagnated water.

### Agricultural advisory Rice:

The forecasted weather may cause Thirps infestation in nursery field. For management farmers may spray Phosphamidon 40 SL 50 ml.

The forecasted weather is conducive for Sheath Blight infestation in paddy. For management farmers may spray Neem oil @ 3% at start stage of the disease.

### Brinjal:

There are possibilities of sucking pest Mite infestation in Brinjal. Farmers may take necessary plant protection measures with the advice of Horticulture officer.

## Villupuram

### SMS Advisory:

(21.09.22-25.09.22) Light to moderate rain is likely to occur at isolated places over Tamilnadu, Livestock Advisory

- 1.The floors in the livestock shelter must be cleaned and maintained damp free to prevent water logging, Moreover the floors must be sprinkled with bleaching powder to maintain biosecurity in farm.
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- 3.The sheep and goat must be vaccinated against Enterotoxaemia infection.
- 4.To prevent mosquitoes menace the livestock shed may be fumigated with Vitex Negundo dried leaves once in a week
- 5.The newly kidded doe must be vaccinated with TT (Tetanus Toxide)

6.Sporadic incidence of Blue Tongue infection may occur in small ruminants. Hence stringent measures must be taken to control fly vector, (Culicoides).

7.Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating.

8.The stagnated water around the poultry farms must be cleared immediately, to avoid the development of intermediate host of poultry cestode which tends to develop in stagnated water.

Agricultural 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. 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

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.

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.

## Villupuram Block level

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

From extended range forecast above normal rainfall, normal maximum temperature and minimum temperature expected for the period of 25.09.2022 to 01.10.2022 over Tamil Nadu. (21.09.22-25.09.22) Light to moderate rain is likely to occur at isolated places over Tamilnadu.

Crop(Varieties)	Crop Specific Advisory
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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.
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
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 17.8SL 0.6 ml/litre.
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.

## Tiruvannamalai

### SMS Advisory:

(21.09.22-25.09.22) Light to moderate rain is likely to occur at isolated places over Tamilnadu, Livestock Advisory

- 1.The floors in the livestock shelter must be cleaned and maintained damp free to prevent water logging, Moreover the floors must be sprinkled with bleaching powder to maintain biosecurity in farm.
- 2.The floor of nursery piglet shed must be cleaned with luke warm saline or with any other commercial disinfectant to prevent E.coli infection, which in adverse cases of infection leads to diarrhoea and mortality.
- 3.The sheep and goat must be vaccinated against Enterotoxaemia infection.
- 4.To prevent mosquitoes menace the livestock shed may be fumigated with Vitex Negundo dried leaves once in a week
- 5.The newly kidded doe must be vaccinated with TT (Tetanus Toxide)
- 6.Sporadic incidence of Blue Tongue infection may occur in small ruminants. Hence stringent measures must be taken to control fly vector, (Culicoides).
- 7.Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating.
- 8.The stagnated water around the poultry farms must be cleared immediately, to avoid the development of intermediate host of poultry cestode which tends to develop in stagnated water.

### Agricultural advisory

#### Rice:

To control leaf folder in rice, apply fipronil 2ml/litre. To take up land preparation work for sowing samba crop.

#### 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.

Red gram:

To control Aphid in redgram, spray Thiometheoxim @ 0.5 ml / litre or imidachloprid @ 0.5 ml / litre

Sugarcane:

To control internode borer in Sugarcane, release egg parasitoid Trichogramma chilonis @ 2.5 cc/ha. Six releases fifteen days interval starting from fourth month onwards will be necessary.

Coconut:

To control red palm weevil in coconut, apply neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown. To control rhinoceros beetle, setup Rhino lure pheromone trap @ 5 traps/ha.

Brinjal:

To control shoot borer/ fruit borer, spray chlorantraniliprole @ 0.5 ml / lit (or )Emamectin benzoate @ 0.4g/litre.

## Tiruvannamalai Block level

**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 above normal rainfall and normal temperature for the period of 25.09.2022 to 01.10.2022. Prevailing weather condition is favorable for pest and disease incidence for all crops. Farmers are advised to monitor their field and take necessary plant protection measures based on symptoms of damage. (21.09.22-25.09.22) Light to moderate rain is likely to occur at isolated places over Tamilnadu.

Crop(Varieties)	Crop Specific Advisory
RICE	To control leaf folder in rice, apply fipronil 1ml/litre. To take up land preparation work for sowing samba crop.
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.
SUGARCANE	To control internode borer in Sugarcane, release egg parasitoid Trichogramma chilonis @ 2.5 cc/ha. Six releases fifteen days interval starting from fourth month onwards will be necessary.
COCONUT	To control red palm weevil in coconut, apply neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown. To control rhinoceros beetle, setup Rhino lure pheromone trap @ 5 traps/ha.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Give 50% of dry fodder (to prevent diarrhoea ) and 50% of green fodder. Give dewormers to calves below 3 months give Vaccination against Black quarter (BQ) and Hemorrhagic Septicemia (HS). Apply external parasiticide to prevent spread of protozoan diseases.

## Tiruvallur

From extended range forecast Above normal rainfall, normal maximum temperature and minimum temperature expected for the period of 25.09.2022 to 01.10.2022 over Tamil Nadu. 1.Farmers are advised to based on soil moisture provide irrigation to the crop; 2.Farmers are advised download (meghdoot) app from android play store.

Crop(Varieties)	Crop Specific Advisory
RICE	1. Stem bore- Spray Azadirachtin 0.03% 400 ml (Or) Flubendiamide 20% WG 50g; 2.Leaf folder- Spray Acephate 75 % SP 400 ml (Or) Spray Azadirachtin 0.03% 400ml per acre in 200 litres of water.
BLACK GRAM	Aphids- Spray Methyl demeton 25% EC 500 ml (or) Dimethoate 30% EC 500 ml per acre in 200 litres of water.
GROUNDNUT	Tobacco caterpillar- Spray Methomyl 40 SP 300 ml per acre in 200 litres water to control the early instar (1st to 3rd instar) larvae. (or) Spray NSKE 5%.
JASMINE	Blossom midge- Spray Chlorantraniliprole 18.5 SC @ 0.5 ml/lit (or) Spray Novaluron 10 EC 3ml/lit.
Crop(Varieties)	Crop Specific Advisory
SUGARCANE	1.Internode borer- I). Release egg parasitoid, Trichogramma chilonis at the rate of 1.0 cc / release/ha (Six releases at 15 days interval starting from fourth month); II). Detrash the crop on 150th and 210th day of planting. Detrashing dislodge the pupae that remain in the leaf sheath; III).Avoid the use of excessive nitrogenous fertilizers; 2. Termite- Spray Chlorantraniliprole 18.5% SC @ 200 ml (or) Thiamethoxam 75% w/w SG 64 g per acre in 200 litres of water; 3.White grub- Apply Beauveria brongniortii @ 2.5 kg/ha (1*10 <sup>9</sup> cfu/g) entopathogenic fungal formulation along with FYM at the time of planting in endemic regions.
Horticulture(Varieties)	Horticulture Specific Advisory
BRINJAL	1. White fly- Spray Neem oil 3% (or) Spray Thiamethoxam 25 % WG 4.0 g/10 l and Monitor the whitefly with yellow sticky trap @ 5-6 / acre; 2.Shoot and fruit borer- Spray Azadirachtin 1.0% EC (10000 ppm) 3.0 ml/litre of water of chemical starting from one month after planting at 15 days interval. (or) Spray Emamectin benzoate 5 % SG 4 g/10 llitre of water. Live Stock Specific Advisory:

## Vellore

As per the IMD extended range forecast (ERF), Tamil Nadu and Puducherry may be receive above normal rainfall and normal temperature for the period of 25.09.2022 to 01.10.2022. Prevailing weather condition is favorable for pest and disease incidence for all crops. Farmers are advised to monitor their field and take necessary plant protection measures based on symptoms of damage. Dry weather may be expected on forthcoming days. So, farmers are advised irrigate the field based on soil moisture.

Crop(Varieties)	Crop Specific Advisory
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RICE	To control leaf folder in rice, apply fipronil 1ml/litre. To take up land preparation work for sowing samba crop.
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.
PIGEON PEA (RED GRAM/ARHAR)	To control Aphid in redgram, spray Thiometheoxim @ 0.5 ml / litre or imidachloprid @ 0.5 ml / litre.
SUGARCANE	To control internode borer in Sugarcane, release egg parasitoid Trichogramma chilonis @ 2.5 cc/ha. Six releases fifteen days interval starting from fourth month onwards will be necessary.
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	To control red palm weevil in coconut, apply neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown. To control rhinoceros beetle, setup Rhino lure pheromone trap @ 5 traps/ha.
BRINJAL	To control shoot borer/ fruit borer, spray chlorantraniliprole @ 0.5 ml / lit (or )Emamectin benzoate @ 0.4g/litre.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Give 50% of dry fodder (to prevent diarrhoea ) and 50% of green fodder. 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. Spray lime powder two times per week on ground to prevent hoof ulcer. Give Bolus sulphadimidine one for larger animals and 1/4 to kid or lamb.
Poultry(Varieties)	Poultry Specific Advisory
HEN	Give powder Amprolium or Rancox or super cox in drinking water for bloody diarrhea or Coccidiosis.

## Cuddalore

From extended range forecast above normal rainfall, normal maximum temperature and minimum temperature expected for the period of 25.09.2022 to 01.10.2022 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.



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
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 17.8SL 0.6 ml/litre.
Horticulture(Varieties)	Horticulture Specific Advisory
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.

## 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. By utilizing the light rainfall, land preparation may be initiated in rainfed black soil towards pre monsoon sowing. Since only light drizzling is expected in forth coming days, sorghum/ millets and groundnut may be harvested and sun dried.
Groundnut	Harvest	Since light rainfall is alone expected in forth coming days, groundnut may be harvested and shade dried with stalks.
Cotton	Sowing	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 8-10 km per hour with rainfall, hence five months old banana may be provided with support against

		lodging. Avoid irrigation.
Turmeric		<p>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.</p> <p>Prevailing cloudy weather with high relative humidity with drizzling is favorable for the sigatoka leaf spot in turmeric hence farmers are requested to monitor the crop and spray if required chlorothalanyl @ 2g per liter of water or propiconazole @ 2ml per liter of water.</p> <p>In some pockets prevailing continuous dry weather is favorable for the thrips attack in turmeric and hence farmers are requested to monitor the crop carefully and spray if required Dimeothate @ 2ml per liter of water.</p>
Animal		<p>Farmers are advised not to allow their animals to graze near pond or lake areas to avoid fluke infestation.</p> <p>Heavy wind and cloudiness may cause thirst for water in animals. Hence, provide adequate clean drinking water.</p> <p>Season is more favourable foot and mouth disease in animals. Farmers are advised to do Vaccination to the animals in nearby Veterinary hospitals.</p>

#### SMS advisory

Leaf minor is observed in Tomato due to prevailing weather. To control spray 5 per cent Neem Seed Kernel Extract during non rainy period.

## Erode

#### Agro Advisory

Crop	Stage	Advisory
General		<p>Light rainfall is expected in western zone during next five days. Irrigation may be provided based on the soil moisture.</p> <p>By utilizing the light rainfall, land preparation may be initiated in rainfed black soil towards pre monsoon sowing.</p> <p>Since only light drizzling is expected in forth coming days, sorghum/ millets and groundnut may be harvested and sun dried.</p>
Rice	Vegetative and Flowering	<p>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 displacement seeds by rain.</p> <p>In the absence of wet nursery direct dry seeding of medium duration rice can be done with the sufficient rain.</p>
Groundnut	Harvest	<p>Since light rainfall is alone expected in forth coming days, groundnut may be harvested and shade dried with stalks.</p>
Cotton	Sowing	<p>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.</p>

Sugarcane		Provide propping for early season and midseason planted canes against lodging with heavy wind anticipated in Erode 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 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. Prevailing cloudy weather with high relative humidity with drizzling is favorable for the sigatoka leaf spot in turmeric hence farmers are requested to monitor the crop and spray if required chlorothalanyl @ 2g per liter of water or propiconazole @ 2ml per liter of water. In some pockets prevailing continuous dry weather is favorable for the thrips attack in turmeric and hence farmers are requested to monitor the crop carefully and spray if required Dimeothate @ 2ml per liter of water.
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.

#### SMS advisory

Leaf minor is observed in Tomato due to prevailing weather. To control spray 5 per cent Neem Seed Kernel Extract during non rainy period.

## 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. Since only light drizzling is expected in forth coming days, sorghum/ millets and groundnut may be harvested and sun dried.
Cotton	Sowing	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 Tiruppur 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 12-14 km per hour with rainfall, hence five months old banana may be provided with support against lodging. Avoid irrigation.
Animal	CET	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.

SMS advisory

Leaf minor is observed in Tomato due to prevailing weather. To control spray 5 per cent Neem Seed Kernel Extract during non rainy period.

## Nilgiris

While preparing the field for cultivation, apply 12 tons of well decomposed Farm Yard Manure per acre. To prevent lichen growth on fruit trees, dissolve one kg of shell lime in one liter of water and paint on the bark of trees.

Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory
LAND PREPARATION	In carrot crops during before sowing, Application of neem cake @ 1 ton/ha at planting to reduce the nematode attack to the crops in the field.

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

Agro Advisory

Crop	Stage	Advisory
General		Apply 5 tons of FYM per acre during land preparation for rice planting.
General		Farmers can utilize the mobile apps viz., (TNAU AAS, Meghdoot and DAMINI), for more updated weather information
Rice	Main field	In samba paddy, apply butachlor at 1.0 lit/ac or anilophos 500 ml/ac mixed with 20 kg sand and broadcast uniformly.

Cattle	Cow and Goat	Since the onset of rainy season may attract mosquitoes breeding, farmers are advised to give Notchi leaves fumigation in dairy barn.
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SMS advisory

Apply 5 tons of FYM per acre during land preparation for rice planting.

## Dindigul

Extended range Forecast for next week (23rd – 29th Sep 2022): Rainfall: As per extended range predictions, there is possibility of below normal rainfall likely over the district during 23 to 29 Sep 2022.

Maximum Temperature: Maximum temperatures is likely to be generally near normal and are likely to be in the range 28°C to 30°C over the plains of the district during next week. 23 to 29Sep 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 23 to 29 Sep 2022. Chances of light during 21, 22, 23, 24 Sep & Moderate rain on 25 Sep. Max temp-33°C-34°C & Min temp -22°C-23°C. Generally cloudy sky for next 5 days. Wind speed 10- 12 kmph from NW direction.

Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	The incense of Tomato spotted wilt disease may be expected in Tomato. It causes streaking of the leaves, stems and fruits. Numerous small, dark, circular spots appear on younger leaves. Leaves may have a bronzed appearance and later turn dark brown and wither. Fruits show numerous spots about one-half inch in diameter with concentric, circular markings. On ripe fruit, these markings are alternate bands of red and yellow. The spotted wilt virus is transmitted through thrips. The affected plants should be removed and destroyed. Raise barrier crops. To control the vector, spray Imidachlopride @ 5ml or any systemic insecticide with sufficient water.
ONION	Farmers planning to sow small Onion crop are advised to apply Zinc sulphate @ 10 kg, Copper sulphate @ 1Kg & Manganese sulphate @ 10kg along with farmyard manure @ 210 kg/acre as basal dose.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Once in a month, periodical de-worming is essential for Calves. Check the cow dung often, so that we can detect the worm infection if present. Farmers are advised to consult the nearby veterinarian for deworming. Periodical de-worming reduces the worm infection at calves and also induces the growth, weight & puberty.

## Madurai

Extended range Forecast for next week (23rd – 29th Sep 2022): Rainfall: As per extended range predictions, there is possibility of below normal rainfall likely over the district during 23 to 29 Sep 2022.

Maximum Temperature: Maximum temperatures is likely to be generally near normal and are likely to be in the range 28°C to 30°C over the plains of the district during next week. 23 to 29Sep 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 23 to 29 Sep 2022. Chances of light on 24 & 25 Sep. Max temp-

35°C-36°C & Min temp -24°C-25°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from NW& SW directions.

Crop(Varieties)	Crop Specific Advisory
COTTON	The incidence of spotted bollworms is seen in Cotton. The symptoms are, they appear on terminal shoots, drying and drooping of terminal shoots during the pre-flowering stage, shedding of squares and young bolls, flaring up of bracts during square and young boll formation stage, holes on bolls, and rotting of bolls can also be noticed. Remove the affected plant parts from the field. To control, spray Fipronil @ 400ml per acre.
GROUNDNUT	To reduce the root rot infection in groundnut, farmers are advised to treat the seeds with Trichoderma viride @ 5-10g/kg of seed and Bacillus subtilis @ 10g/kg of seed.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Once in a month, periodical de-worming is essential for Calves. Check the cow dung often, so that we can detect the worm infection if present. Farmers are advised to consult the nearby veterinarian for deworming. Periodical de-worming reduces the worm infection at calves and also induces the growth, weight & puberty.

## Pudukottai

Farmers are requested to apply 10 kg of enriched paddy micronutrient mixture to alleviate the micronutrient deficiency and get more yield. Apply 5 tons of FYM per acre during land preparation for rice planting.

Crop(Varieties)	Crop Specific Advisory
GREEN GRAM	Farmers are advised to take up showing on high yielding green gram variety (VBN- 3 and / VBN – 4 ) and black gram variety ( VBN – 8 and VBN 10 ) with available moisture on receipt of Seed treatment with Trichoderma viridae 4g/kg of seed (or) Pseudomonas fluorescens 10 g/kg of seed will be effective against root rot disease in black gram.
RICE	Farmers are advised to sown drought tolerant rice varieties like Anna 4, Co 51, ADT45 and CO 53.
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.
Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	Due to continuous rain in some areas Damping off disease is observed in young tomato plants. To control above disease drenching with copper oxychloride at 2.5 lit is recommended.

## Ramanathapuram

From extended range forecast, Above normal rainfall, Normal maximum temperature and Minimum temperature expected for the period of September 25 to October 01 over Tamil Nadu. Farmers are advised to sown drought tolerant rice varieties like Anna 4, Co 51, ADT45 and CO 53.

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.
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Apply micro-nutrient 5kg/ac to the soil before paddy sowing for better growth and development.

## Sivagangai

Extended range Forecast for next week (23rd – 29th Sep 2022): Rainfall: As per extended range predictions, there is possibility of below normal rainfall likely over the district during 23 to 29 Sep 2022. Maximum Temperature: Maximum temperatures is likely to be generally near normal and are likely to be in the range 28°C to 30°C over the plains of the district during next week. 23 to 29Sep 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 23 to 29 Sep 2022. Chances of light rain on 24 & 25 Sep. Max temp-35°C-36°C & Min temp -27°C. Partly cloudy sky for next 5 days. Wind speed 8 kmph from SW & SE directions.

Crop(Varieties)	Crop Specific Advisory
RICE	Farmers planning to transplant Paddy during Kharif season are advised to take up sowing with 20kg of either Sunhemp or Daincha or Multigrains and do insitu incorporation within 30 – 45 days after sowing. Select Daincha as green manure crop for soil and water having alkaline ph.
Horticulture(Varieties)	Horticulture Specific Advisory
ONION	The symptom of micronutrient (Zinc) deficiency is appearing in the Onion fields. Due to this deficiency, plant growth gets restricted. Leaves turn yellow in colour with strips and bend. To rectify this deficiency, foliar spray of 50gm of ZnSO4 twice at fortnight intervals is recommended.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Once in a month, periodical de-worming is essential for Calves. Check the cow dung often, so that we can detect the worm infection if present. Farmers are advised to consult the nearby veterinarian for deworming. Periodical de-worming reduces the worm infection at

calves and also induces the growth, weight & puberty.
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## Theni

Extended range Forecast for next week (23rd – 29th Sep 2022): Rainfall: As per extended range predictions, there is possibility of below normal rainfall likely over the district during 23 to 29 Sep 2022. Maximum Temperature: Maximum temperatures is likely to be generally near normal and are likely to be in the range 28°C to 30°C over the plains of the district during next week. 23 to 29Sep 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 23 to 29 Sep 2022. Chances of light rain on 24 & 25 Sep. Max temp-33°C & Min temp -21°C-23°C. Generally cloudy sky for next 5 days. Wind speed 10 kmph from W direction.

Crop(Varieties)	Crop Specific Advisory
JASMINE	The incidence of Flower midge is expected in Jasmine. At the beginning stage, affected buds turns into yellowish grey colour and buds becomes smaller in size with brown colour. To control, spray Profenophos @ 30ml + Cartap hydrochloride @ 20gm + sticky agent @ 10ml with 10 litres of water.
Horticulture(Varieties)	Horticulture Specific Advisory
CHILLI	To control the flower, and fruit falling and to increase the fruit set in the chilly crop, farmers are advised to spray NAA 10ppm (10mg/l of water) on the 60th and 100th days after planting. And spray Triacntanol @ 1.25 ml/l on 20, 40, 60 and 80th day of planting.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Once in a month, periodical de-worming is essential for Calves. Check the cow dung often, so that we can detect the worm infection if present. Farmers are advised to consult the nearby veterinarian for deworming. Periodical de-worming reduces the worm infection at calves and also induces the growth, weight & puberty.

## Kanyakumari

### AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
	There are possibilities of rainfall on 21.9.22 and 25.9.22. Maximum temperature will be around 31°C and minimum temperature ranged from 24 - 25°C. Cloudy condition may prevail. The relative humidity will be 70 to 80 %. Wind speed may be 12 km / hr in West direction.		
1.	Jasmine	Vegetative stages	Apply 10 g of Phorate granules near root zone and irrigate to control the nematode pest.
2.	Coconut	All stages	For nut bearing coconut root feeding of TNAU coconut tonic @ 200 ml per tree.
3.	Pepper	All stages.	After receipt of showers all the vines are to be drenched with 0.2% copper oxy chloride @ 5 to 10 litres per vine.
4.	Banana	Shooting stage.	As 12 km/hr wind speed is anticipated, it is advised to provide



			mechanical support to banana crop to avoid lodging.
5.	Rice	All stages	As Army worm infestation is noticed in rice, spraying of chlorpyrifos @ 2.5 ml/litre has to be taken up.

SMS Advisory

Apply coconut husks with convex surface facing upwards in the basin of 1.8 m radius around the palms to conserve the soil moisture.

## Salem

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Salem:		
General		Farmers should do soil testing before sowing or cultivation of any crop. Soil testing report shows availability of nutrients in soil and due to this, it is easy to manage fertilizer dose of any crop, to save fertilizer and to maintain soil fertility also. seed treatment with <i>T. viride</i> @ 4g or <i>P. fluorescens</i> @ 1g/kg or <i>Bacillus subtilis</i> before sowing of crop can control the incidence root rot diseases
Brinjal	Vegetative	Brinjal- Shoot and Fruit borer. Remove the affected terminal shoot showing boreholes and affected fruits and destroy. Install pheromone trap @ 12/ha. Neem seed kernel extract (NSKE) 5 % or Spray any one of the following chemicals starting from one month after planting at 15 days interval Azadirachtin 1.0% EC @ 3.0 ml/lit or Emamectin benzoate 5 % SG @ 4 g/10 lit. or Flubendiamide 20 WDG @ 7.5 g/10 lit.
Jasmine	Vegetative	Higher temperature and humidity favours the incidence of Bud worm in jasmine, to control the pest damage Collect and destroy infested flowers along with larvae at least once in a week. Proper pruning and hygienic maintenance of the bushes helps to minimize the pest incidence. Set up light trap to attract and kill the adult moths. Spraying of neem seed kernel extract (NSKE) at 5 per cent level is found effective. Spray thiacloprid 24 SC at 1 ml per litre of water to control the pest population.
Crops	General	Adopting crop rotation with non-preferred hosts such as sorghum, ragi, maize etc., for the white fly to check the build up of the pest. Removal and destruction of alternate weed hosts. Monitoring the activities of the adult white flies by setting up yellow pan traps and sticky traps at 1 feet height above the plant canopy and also in situ counts. Spraying of Neem seed kernel extract 5% (50 kg) and neem oil at 5 ml/l of water or Notchi leaves 5% extract and <i>Catharanthus roseus</i> extract 5%. Spraying of Acetamiprid 20% SP 100 g/ha or Chlorpyrifos 20% EC 1250 ml/ha can control the damage.
Coconut	General	In coconut, to control the Rhinoceros beetle, the topmost three leaf axils around the spindle filled with Naphthalene balls three to four balls covered with fine sand, once in 45 days. Soak castor cake at 1 kg in 5 liter of water in small mud pots and keep them in the coconut

		gardens to attract and kill the adults
Tapioca	Vegetative	Identify the mealy bug species in Tapioca and release the parasitoids accordingly.
Mango	Vegetative	To control the hopper incidence in mango spray Wettable sulphur @ 25 g/10 l or 6 g/10 l Acetamiprid or thiamethoxam 6g/10 l of water.
Goat and Sheep	General	Don't allow sheep and goat to graze near local water bodies duly this season to avoid internal parasitic infestation. Farmers are advised to not allow the animals graze on fresh pasture.

## Namakkal

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

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	<p><b>Lumpy Skin Disease (LSD)</b>            The prevailing wind speed, humidity and temperature of southwest monsoon are favorable for the breeding of mosquitoes and flies that attack livestock. In such an environment, Lumpy Skin Disease (LSD), an infectious viral disease of cattle and buffaloes can easily spread to other cattle when mosquitoes, biting flies and ticks bite the infected cows            Affected cows develop a mild fever for 2-3 days, followed by development of stiff, round cutaneous nodules under the skin all over the body. Symptoms may include lesions in mouth, pharynx and respiratory tract, emaciation, enlarged lymph nodes, oedema of limbs, reduction in milk production, abortion, infertility and sometimes, death. Although infected animals often recover within a period of 2-3 weeks, there is reduction in milk yield in lactating cattle for several weeks.</p> <p><b>Prevention and Control</b>            Efforts should be made to reduce the vector population in affected areas. Ensure strict control of animal movement to affected areas.            In case of purchasing new cows from shandies, they should be checked for signs of disease. After purchase, keep the cows in isolation for a certain period and then include them in the herd.            Immediately isolate the sick / infected animals from the healthy animals. Thorough cleaning and disinfection of affected personnel, premises and contaminated environment including vehicles should be carried out with appropriate chemicals/disinfectants like lysol (2%) and hypochlorite (2–3%). Affected animals should be treated immediately after the onset of symptoms without any delay with qualified veterinary doctor.</p>
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Black gram and Green gram	Sowing season	New black gram (VBN – 11) and green gram (VBN – 4) varieties to be selected for purattasi season sowing for seed production purpose to achieve high grain yield and fetch higher farm income.

Castor	Flowering stage	Castor crop attained flowering stage. Hence farmers are advised to do foliar spray of Castor gold @ 0.5 ml / litre of water during flowering stage to increase female flower in spikes, more density of capsules in spikes and improve crop yield.
Groundnut	Vegetative stage	Farmers are advised to taken up second weeding in groundnut field. Also apply gypsum @ 160 kg / acre along with earthing up for the crops cultivated groundnut in Adipattam.( Kharif season)
Tapioca	Vegetative stage	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.

## Dharmapuri

### General Advisory :

Harvested agricultural and horticultural produce may be stored under protective shelter. Based on the crop needed Irrigation and Spraying of chemicals may be given. High relative humidity with moderate wind speed is conducive for disease spread. So, farmers are advised to take the prophylactic measures to control the disease spread and to protect the livestock, poultry and pets.

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.
Jasmine	Flowering stage	Prevailing weather is conducive for Blossom midge. Spray Thiamethoxam 2.5% WG @ 0.75 g/litre (or) Novaluron 3ml/lit., of water.

SMS: Rain: Very light to light rainfall: Chilli -Muranai mite incidence spraying of 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	General	Lumpy Skin Disease (LSD) The prevailing wind speed, humidity and temperature of southwest

		<p>monsoon are favorable for the breeding of mosquitoes and flies that attack livestock. In such an environment, Lumpy Skin Disease (LSD), an infectious viral disease of cattle and buffaloes can easily spread to other cattle when mosquitoes, biting flies and ticks bite the infected cows</p> <p>Affected cows develop a mild fever for 2-3 days, followed by development of stiff, round cutaneous nodules under the skin all over the body. Symptoms may include lesions in mouth, pharynx and respiratory tract, emaciation, enlarged lymph nodes, oedema of limbs, reduction in milk production, abortion, infertility and sometimes, death. Although infected animals often recover within a period of 2-3 weeks, there is reduction in milk yield in lactating cattle for several weeks.</p> <p><b>Prevention and Control</b></p> <p>Efforts should be made to reduce the vector population in affected areas. Ensure strict control of animal movement to affected areas.</p> <p>In case of purchasing new cows from shandies, they should be checked for signs of disease. After purchase, keep the cows in isolation for a certain period and then include them in the herd.</p> <p>Immediately isolate the sick / infected animals from the healthy animals. Thorough cleaning and disinfection of affected personnel, premises and contaminated environment including vehicles should be carried out with appropriate chemicals/disinfectants like lysol (2%) and hypochlorite (2–3%). Affected animals should be treated immediately after the onset of symptoms without any delay with qualified veterinary doctor.</p>
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Black gram and Green gram	Sowing season	New black gram (VBN – 11) and green gram (VBN – 4) varieties to be selected for purattasi season sowing for seed production purpose to achieve high grain yield and fetch higher farm income.
Castor	Flowering stage	Castor crop attained flowering stage. Hence farmers are advised to do foliar spray of Castor gold @ 0.5 ml / litre of water during flowering stage to increase female flower in spikes, more density of capsules in spikes and improve crop yield.
Groundnut	Vegetative stage	Farmers are advised to taken up second weeding in groundnut field. Also apply gypsum @ 160 kg / acre along with earthing up for the crops cultivated groundnut in Adipattam.( Kharif season)
Tapioca	Vegetative stage	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.

## Karaikal

### Agro Advisory

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 30 <sup>th</sup> 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.
	Weeding	In paddy, to control weeds in nursery area of 800 m <sup>2</sup> , apply pre-emergence herbicide Butachlor 160 ml at 8 <sup>th</sup> DAS with sand.
		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 bispyriac 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
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: Light rain is expected for next few days. Hence, land preparation work may be done for rice crop.

## Puducherry

### Weather based Agro-Advisories.

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.

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.
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SMS:

As dry weather is likely to occur during next five days, farmers are advised to apply need based irrigation to the crops

## Puducherry Block level

### Ariankuppam, Ozhukarai, Villianur, Bahour, Mannadipet and Nettappakkam Blocks

Dry weather is likely to occur during next five days. Light to moderate rain is likely to occur one or two places on 22.09.2022 and 25.09.2022 As dry weather is likely to occur during next five days, farmers are advised to apply need based irrigation to the crops.

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.
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.
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
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.

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