



तमिलनाडु के लिए राज्य स्तरीय समग्र कृषि-मौसम परामर्श  
बुलेटिन

**State Composite Agro-meteorological Advisory  
Bulletin for Tamil Nadu and Puducherry  
Bulletin No. 061/2023**

For the period 0830 IST, 01<sup>st</sup> August 2023 to  
0830 IST, 06<sup>th</sup> August 2023

**Issued on Tuesday, 01<sup>st</sup> August 2023**

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 28.07.23 to 31.07.23 for the State of Tamilnadu & Puducherry**

**Temperature:**

Maximum Temperature of range **31°C – 42°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 - 29°C** prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range **10°C - 13°C** during the same period.

**Spatial distribution of Rainfall**

Spatial distribution of Rainfall	Tamil Nadu	Puducherry
Widespread (Most places)	--	--
Fairly widespread (Many places)	--	
Scattered (Few Places)	--	
Isolated (One or Two Places)	28.07.23, 29.07.23, 30.07.23 & 31.07.23	--
Dry	--	28.07.23, 29.07.23, 30.07.23 & 31.07.23

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

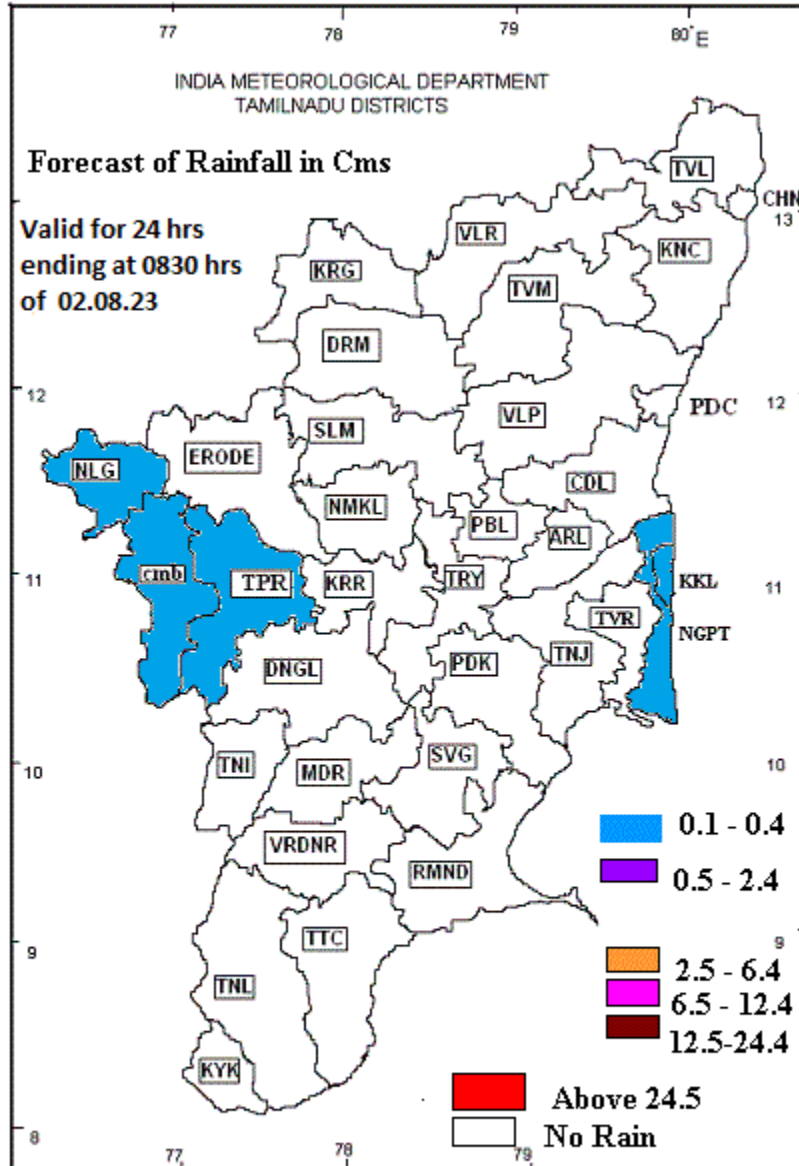
**28.07.23** : Naduvattam (dist Nilgiris), Glenmorgan (dist Nilgiris) 3 each, Barwood (dist Nilgiris), Gudalur Bazar (dist Nilgiris), Avalanche (dist Nilgiris) 2 each, Chinnakalar (dist Coimbatore), Upper Gudalur (dist Nilgiris), Worth Estate cherumulli (dist Nilgiris), Valparai PTO (dist Coimbatore), Wood Braiyar Estate (dist Nilgiris), Cincona (dist Coimbatore), Harisan Malayalam Ltd. (dist Nilgiris), Sholayar (dist Coimbatore), Upper Bhavani (dist Nilgiris), Kodanad (dist Nilgiris), Devala (dist Nilgiris) 1 each.

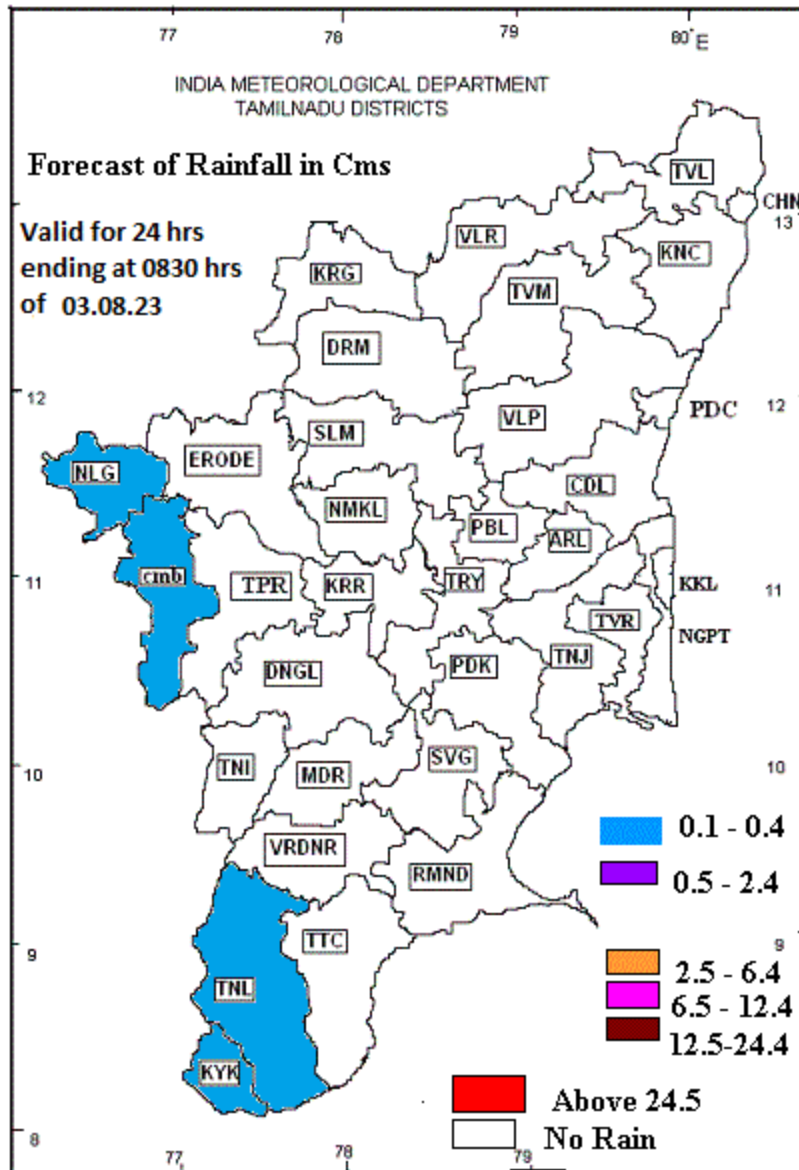
**29.07.23** : Barwood (dist Nilgiris), Glenmorgan (dist Nilgiris) 1 each.

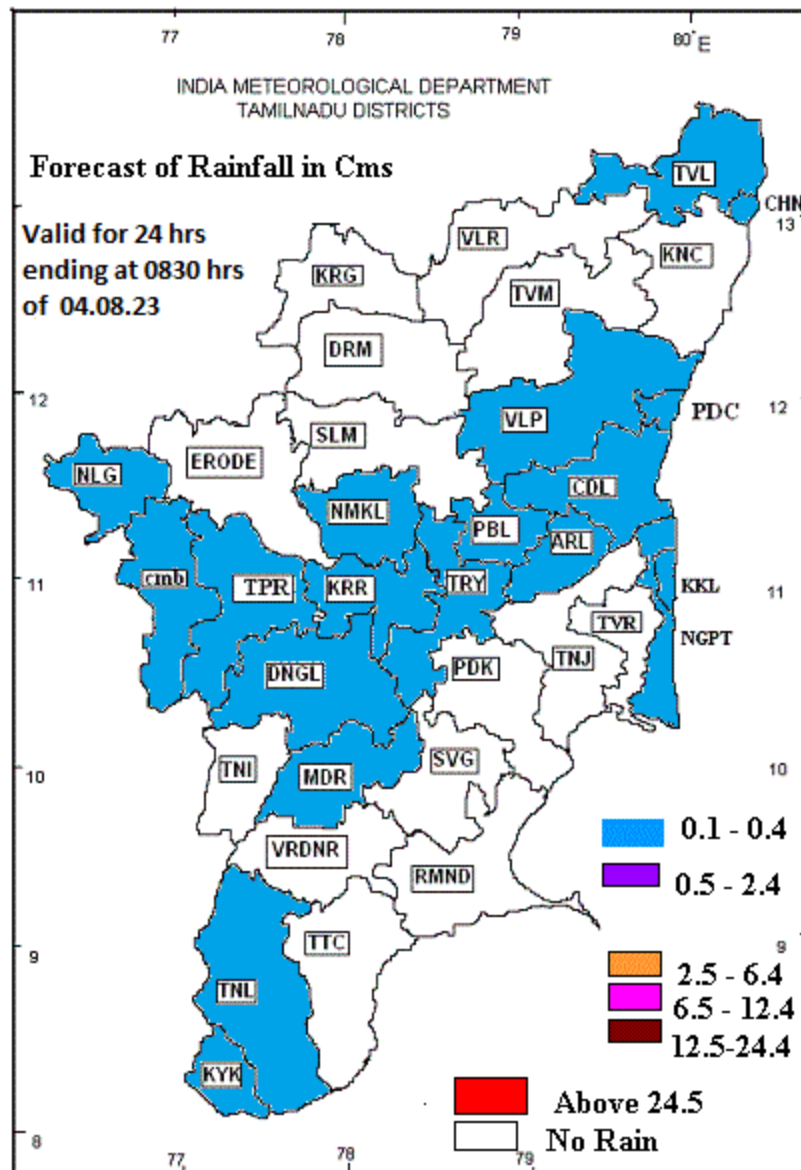
**30.07.23** : Kallaty (dist Nilgiris) 1.

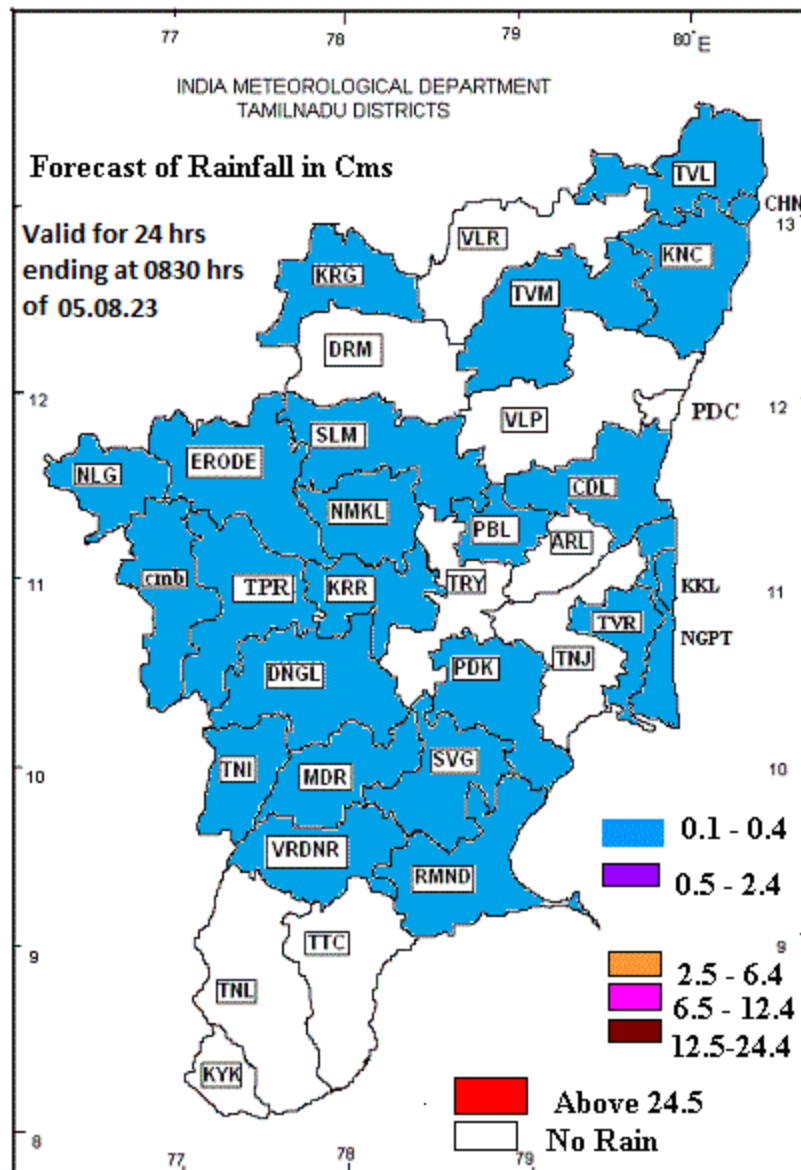
**31.07.23** : Devala (dist Nilgiris), Gudalur bazaar (dist Nilgiris), Pandalur Taluk office (dist Nilgiris) 1.

**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 01.08.23  
VALID FOR THE NEXT 5 DAYS**

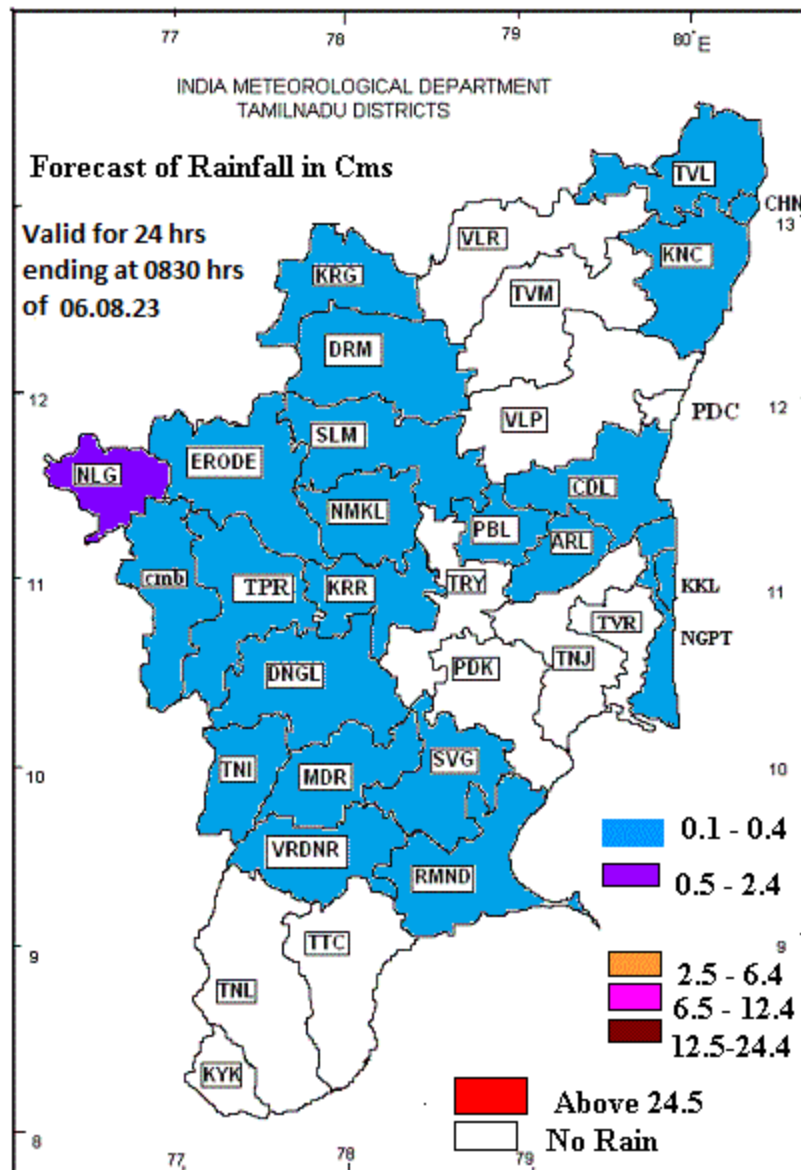












## District-wise Agromet Advisories

### Chennai

#### SMS Advisory:

(03.08.2023-05.08.2023) Light to moderate rain is likely to occur at one or two places over Tamilnadu.

#### Livestock Advisory

- 1.dryfodder and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin
- 2.Give 75 ml of supernatant of diluted calcium in water to milking cow
- 3.Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
- 4.The increased humidity in pig sty may occasionally increase the ammonia concentration to prevent this; the sty must be facilitated with good ventilation
- 5.Increased humidity and air temperature may predispose rabbits to fungal infection leading to respiratory distress, to prevent this during rainy season the sidewalls of the rabbitry must be closed with gunny bags to prevent rainwater infiltration
- 6.The farmers rearing poultry in backyard system must prevent the birds from drinking, the stagnant water to prevent parasitic infestation.

### Kancheepuram

#### SMS Advisory:

(03.08.2023-05.08.2023) Light to moderate rain is likely to occur at one or two places over Tamilnadu.

#### Livestock Advisory

- 1.dryfodder and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin
- 2.Give 75 ml of supernatant of diluted calcium in water to milking cow
- 3.Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
- 4.The increased humidity in pig sty may occasionally increase the ammonia concentration to prevent this; the sty must be facilitated with good ventilation
- 5.Increased humidity and air temperature may predispose rabbits to fungal infection leading to respiratory distress, to prevent this during rainy season the sidewalls of the rabbitry must be closed with gunny bags to prevent rainwater infiltration
- 6.The farmers rearing poultry in backyard system must prevent the birds from drinking, the stagnant water to prevent parasitic infestation.

#### 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 fruit borer infestation in Brinjal crop. For management farmers are advised setup the pheromone trap @ 6/ac.

## Villupuram

### SMS Advisory:

(03.08.2023-05.08.2023) Light to moderate rain is likely to occur at one or two places over Tamilnadu.

### Livestock Advisory

1. dry fodder and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin
2. Give 75 ml of supernatant of diluted calcium in water to milking cow
3. Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
4. The increased humidity in pig sty may occasionally increase the ammonia concentration to prevent this; the sty must be facilitated with good ventilation
5. Increased humidity and air temperature may predispose rabbits to fungal infection leading to respiratory distress, to prevent this during rainy season the sidewalls of the rabbitry must be closed with gunny bags to prevent rainwater infiltration
6. The farmers rearing poultry in backyard system must prevent the birds from drinking, the stagnant water to prevent parasitic infestation.

### Agricultural advisory

#### Rice:

Prevailing weather condition is favorable for bacterial leaf blight infection in rice crop. White colour streaks appear leaf and it turns brown in colour and dried. To control spray copper hydroxide @ 300 g/ac. Due to prevailing weather condition brown plant leafhopper infestation is found in paddy crop. Symptoms Nymphs and adults congregate at the base of the plant above the water level. Affected plant dries up and gives a scorched appearance called "hopper burn". Circular patches of drying and lodging of matured plant. To control spray carbosulfan 400 ml/ac + imidacloprid 40 ml/ac or pymetrozine 120 g/ac with wetting agent. Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray carbosulfan 400 ml/ac or cartap hydrochloride 600 g/ac during morning or evening hours.

#### Sugarcane:

Crown mealy bug and pokkahboeng disease of sugarcane observed in field. Symptoms are stunted growth, terminal shoot drying, yellowing of leaf and weakening of cane. To control follow integrated management practices.

Sett treatment - carbendazim 50 WP @ 2 g/lit for 30 min & imidacloprid 70 WS @ 1.5 ml/lit. for 5 min before planting, Monitor ant movement in the border rows at regular intervals, Prophylactic measure - in endemic area, field borders (3 rows) spray imidacloprid 17.8 SL @ 3 ml/10 lit (or) chlorantraniliprole 18.5 SC 4 ml /10 lit (or) clothianidin 50 WDG @ 5g/10 lit (or) spirotetramet 150 OD @ 12.5 ml/10 lit (or) Flonicamid 50% WG @ 3 g/10 lit. If infestation crosses ETL (10%), the insecticide application should be repeated at 20 days interval with rotation of above insecticides. Before spraying ensure de-trashing and it should be done at 5 months after planting. If Pokkahboeng noticed, spray carbendazim 50 WP @ 2 g/lit or propiconazole 25 EC @ 2 ml/lit + sticking agent @ 1 ml/lit 3 times at 20 days interval. Spray should be directed towards central whorl for better control Ratoon cropping should be discouraged after two ratooning in the endemic areas.

#### 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 emamectin 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

## Tiruvannamalai

SMS Advisory:

(03.08.2023-05.08.2023) Light to moderate rain is likely to occur at one or two places over Tamilnadu.

Livestock Advisory

1. dryfodder and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin
2. Give 75 ml of supernatant of diluted calcium in water to milking cow
3. Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
4. The increased humidity in pig sty may occasionally increase the ammonia concentration to prevent this; the sty must be facilitated with good ventilation
5. Increased humidity and air temperature may predispose rabbits to fungal infection leading to respiratory distress, to prevent this during rainy season the sidewalls of the rabbitry must be closed with gunny bags to prevent rainwater infiltration
6. The farmers rearing poultry in backyard system must prevent the birds from drinking, the stagnant water to prevent parasitic infestation.

Agricultural advisory

Rice:

Spray the TNAU Rice Bloom @ 4kg / ac by dissolving in 200 litre of water after adding required quantity of sticking agent at heading stage and grain filling stage of rice. It improves grain filling rate and increases grain yield upto 1.5 percent.

Groundnut:

To increase flower retention , pod filling and to induce drought tolerance apart from yield improvement , 2 sprays of groundnut rich @ 5 kg / ha( for each spray) at 35 DAS (50 % flowering ) and 45 DAS (pod development stage).

Blackgram:

To decrease flower shedding , to increase yield upto 20% and to increase drought tolerance spray TNAU pulse wonder @ 2 kg / acre at peak flowering stage in 200 litres of water.

Sugarcane:

As strong winds are expected for forthcoming days, so farmers are advised to detrash and propping in five months old sugarcane crop.

Banana:

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

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.

## Tiruvallur

From extended range forecast Normal rainfall, normal minimum temperature and maximum temperature expected for the period of 06.08.2023 to 12.08.2023 over Tamil Nadu. Light rainfall may be expected in the forthcoming days, so while going for chemical spray add sticky agent.

Crop(Varieties)	Crop Specific Advisory
RICE	1. Prevailing weather condition may cause leaf folder infestation in paddy crop. To control spray carbo sulfan 400 ml/acre; 2.blast- Spray tricyclozole 75 WP @ 200 ml or metominostrobin 20 SC @ 500 ml/acre; 3. Rice algae growth - Copper sulphate can be application at the rate of 2 kg/acre mixed with 20 kg of sand.
SUGARCANE	Prevailing weather condition may cause Inter node borer in sugar cane field to control 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.
GROUNDNUT	1. If farmers have plan for groundnut sowing treat the seeds with Trichoderma @ 4g/kg just before sowing. 2.Considering the anticipated rainfall gypsum @ 400 kg/ha may be incorporated in the 40 days old groundnut crop.
Horticulture(V arieties)	Horticulture Specific Advisory
CHILLI	Prevailing weather condition may cause Damping Off in chilli field crops to treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g /kg of seeds treat with 24 hours before sowing.
COCONUT	1. To control the Rhinoceros beetle 1.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. 2.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.

## Vellore

As per the IMD extended range forecast (ERF), normal rainfall and temperature is likely over Tamil Nadu and Puducherry during August 6th to 12th 2023. Prevailing weather condition is favorable for pest/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
RICE	Spray the TNAU Rice Bloom @ 4kg / ac by dissolving in 200 litre of water after adding required quantity of sticking agent at heading stage and grain filling stage of rice. It improves grain filling rate and increases grain yield upto 1.5 percent.
GROUNDNUT	To increase flower retention , pod filling and to induce drought tolerance apart from yield improvement , 2 sprays of groundnut rich @ 5 kg / ha( for each spray) at 35 DAS (50 % flowering ) and 45 DAS (pod development stage).
BLACK GRAM	To decreases flower shedding , to increase yield upto 20% and to increase drought tolerance spray TNAU pulse wonder @ 2 kg / acre at peak flowering stage in 200 litres of water.

SUGARCANE	As strong winds are expected for forthcoming days, so farmers are advised to detrash and propping in five months old sugarcane crop.
Horticulture(Varieties)	Horticulture Specific Advisory
BANANA	High wind speed (>10 kmph) is expected on forthcoming days, so prop up 5 month old banana trees.
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.

## Cuddalore

From extended range forecast normal rainfall, minimum temperature and maximum temperature expected for the period of 06.08.2023 to 12.08.2023 over Tamil Nadu. Since light rainfall is forecasted for next 5 days, farmers are advised to irrigate the crop based on soil moisture.

Crop(Varieties)	Crop Specific Advisory
RICE	Early samba growing farmers advised to prepare land. Use varieties of ADT 50, ADT 51, ADT 52, CR1009, CR 1009 sub1 and Swarna sub 1.
RICE	1. Prevailing weather condition is favorable for bacterial leaf blight infection in rice crop. White colour streaks appear leaf and it turns brown in colour and dried. To control spray copper hydroxide @ 300 g/ac. 2. Due to prevailing weather condition brown plant leafhopper infestation is found in paddy crop. Symptoms Nymphs and adults congregate at the base of the plant above the water level. Affected plant dries up and gives a scorched appearance called "hopper burn". Circular patches of drying and lodging of matured plant. To control spray carbosulfan 400 ml/ac + imidacloprid 40 ml/ac or pymetrozine 120 g/ac with wetting agent.
RICE	Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray carbosulfan 400 ml/ac or cartap hydrochloride 600 g/ac during morning or evening hours.
SUGARCANE	Crown mealy bug and pokkahboeng disease of sugarcane observed in field. Symptoms are stunted growth, terminal shoot drying, yellowing of leaf and weakening of cane. To control follow integrated management practices. 1. Sett treatment - carbendazim 50 WP @ 2 g/lit for 30 min & imidacloprid 70 WS @ 1.5 ml/lit. for 5 min before planting, 2. Monitor ant movement in the border rows at regular intervals, 3. Prophylactic measure - in endemic area, field borders (3 rows) spray imidacloprid 17.8 SL @ 3 ml/10 lit (or) chlorantraniliprole 18.5 SC 4 ml /10 lit (or) clothianidin 50 WDG @ 5g/10 lit (or) spirotetramet 150 OD @ 12.5 ml/10 lit (or) Flonicamid 50% WG @ 3 g/10 lit. If infestation crosses ETL (10%), the insecticide application should be repeated at 20 days interval with rotation of above insecticides. Before spraying ensure de-trashing and it should be done at 5 months after planting. 4. If Pokkahboeng noticed, spray carbendazim 50 WP @ 2 g/lit or propiconazole 25 EC @ 2 ml/lit + sticking agent @ 1 ml/lit 3 times at 20 days interval. Spray should be directed towards central whorl for better control 5. Ratoon cropping should be discouraged after two ratooning in the endemic areas
	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

MAIZE	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.
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## Coimbatore

### Agro Advisory

Crop	Stage	Advisory
General		Light rainfall with high wind speed of 8 - 16 km/hr in Western Zone districts during next 2-5 days. Provide irrigation based on soil moisture.
Groundnut	Flowering	If sufficient moisture is available for Groundnut crop (45 DAS) weeding may be done and apply gypsum @ 500 kg/ha before earthing up.
Sugarcane	Vegetative	Since rainfall with squally wind is expected, dethrash and propping in five months old sugarcane crop is recommended against the lodging.
Tomato		Drench the 18 days old and above tomato seedlings in nursery with water soluble 19:19:19 fertilizer @ 0.5% (5g/lit) for getting vigours seedlings.
Gourds	Sowing	With the receipt of anticipated rainfall with sufficient soil moisture gourds vegetables seeds may be sown.
Banana	Above 5 months old	Light rainfall with 12-16 km/hour wind speed may cause lodging in banana. Provide support to five months and above old banana.
Turmeric	Vegetative	For correcting micronutrients deficiency, apply each 375 g of ferrous sulphate, Zinc sulphate, Borax and Urea in 250 lit of water/ha. Spraying twice at 25 days interval is recommended.
Animal Husbandry		Feed material of poultries may be drifted due to high wind speed and hence, hang gunny bags at the borders of the shed to reduce wind speed.

### SMS advisory

Light rainfall with 8-16 km/hour wind speed may cause lodging in banana. Provide support to five months and above old banana.

## Erode

### Agro Advisory

Crop	Stage	Advisory
General		Light rainfall with high wind speed of 8 - 16 km/hr in Western Zone districts during next 2-5 days. Provide irrigation based on soil moisture.
Groundnut	Flowering	If sufficient moisture is available for Groundnut crop (45 DAS) weeding may be done and apply gypsum @ 500 kg/ha before earthing up.
Sugarcane	Vegetative	Since rainfall with squally wind is expected, dethrash and propping in five months old sugarcane crop is recommended against the lodging.
Tomato		Drench the 18 days old and above tomato seedlings in nursery with water soluble 19:19:19 fertilizer @ 0.5% (5g/lit) for getting vigours

		seedlings.
Gourds	Sowing	With the receipt of anticipated rainfall with sufficient soil moisture gourds vegetables seeds may be sown.
Banana	Above 5 months old	Light rainfall with 8-10 km/hour wind speed may cause lodging in banana. Provide support to five months and above old banana.
Turmeric	Vegetative	For correcting micronutrients deficiency, apply each 375 g of ferrous sulphate, Zinc sulphate, Borax and Urea in 250 lit of water/ha. Spraying twice at 25 days interval is recommended.
Animal Husbandry		Feed material of poultries may be drifted due to high wind speed and hence, hang gunny bags at the borders of the shed to reduce wind speed.

SMS advisory

Light rainfall with 8-16 km/hour wind speed may cause lodging in banana. Provide support to five months and above old banana.

## Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		Light rainfall with high wind speed of 8 - 16 km/hr in Western Zone districts during next 2-5 days. Provide irrigation based on soil moisture.
Sugarcane	Vegetative	Since rainfall with squally wind is expected, dethrash and propping in five months old sugarcane crop is recommended against the lodging.
Tomato		Drench the 18 days old and above tomato seedlings in nursery with water soluble 19:19:19 fertilizer @ 0.5% (5g/lit) for getting vigours seedlings.
Gourds	Sowing	With the receipt of anticipated rainfall with sufficient soil moisture gourds vegetables seeds may be sown.
Banana	Above 5 months old	Light rainfall with 14-16 km/hour wind speed may cause lodging in banana. Provide support to five months and above old banana.
Animal Husbandry		Feed material of poultries may be drifted due to high wind speed and hence, hang gunny bags at the borders of the shed to reduce wind speed.

SMS advisory

Light rainfall with 8-16 km/hour wind speed may cause lodging in banana. Provide support to five months and above old banana.

## Nilgiris

To manage Red spider mite, Pinkmite, scarlet mite in tea crop, foliar application of Azadirachtin 1.0%EC (neem based) 2.0 ml/lit or propargite 57 % EC 2.0 ml/lit is recommended. To manage leaf miner infestation in potato, carrot and beetroot crops, foliar spray of cyantraniliprole 10.8SC @1.8ml/lit two sprays at 15 days intervals.

Horticulture(Varieties)	Horticulture Specific Advisory
ORANGE	For the mandarin orange, soil application of 700:375:600 g / tree NPK, AM fungi ( <i>Glomus fasciculatus</i> ) @ 1 kg / tree is recommended. Manures are to be applied in the basin 70 cm away from the trunk and incorporated.



BANANA	Soil application of FYM @ 10 kg + Neem cake @ 1.25 kg as basal; Vermicompost @ 5 kg after 3 months of planting and Wood ash @ 1.75 kg / plant after 5 months of planting; Triple green manuring with sunnhemp (one time) and Cowpea (two times) + biofertilizers viz., Arbuscular mycorrhiza (AM) @ 25g, Azospirillum @ 50 g, Phosphate solubilizing bacteria (PSB) @ 50 g and Trichoderma harzianum @ 50 g/ plant is recommended for organic cultivation of banana.
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## Nilgiris Block level

### Coonoor and Gudalur Blocks

To manage Red spider mite, Pinkmite, scarlet mite in tea crop, foliar application of Azadirachtin 1.0%EC (neem based) 2.0 ml/lit or propargite 57 % EC 2.0 ml/lit is recommended. To manage leaf miner infestation in potato, carrot and beetroot crops, foliar spray of cyantraniliprole 10.8SC @1.8ml/lit two sprays at 15 days intervals.

Horticulture(Varieties)	Horticulture Specific Advisory
BANANA	Soil application of FYM @ 10 kg + Neem cake @ 1.25 kg as basal; Vermicompost @ 5 kg after 3 months of planting and Wood ash @ 1.75 kg / plant after 5 months of planting; Triple green manuring with sunnhemp (one time) and Cowpea (two times) + biofertilizers viz., Arbuscular mycorrhiza (AM) @ 25g, Azospirillum @ 50 g, Phosphate solubilizing bacteria (PSB) @ 50 g and Trichoderma harzianum @ 50 g/ plant is recommended for organic cultivation of banana.

### Kotagiri and Ooty Blocks

To manage Red spider mite, Pinkmite, scarlet mite in tea crop, foliar application of Azadirachtin 1.0%EC (neem based) 2.0 ml/lit or propargite 57 % EC 2.0 ml/lit is recommended. To manage leaf miner infestation in potato, carrot and beetroot crops, foliar spray of cyantraniliprole 10.8SC @1.8ml/lit two sprays at 15 days intervals.

Horticulture(Varieties)	Horticulture Specific Advisory
ORANGE	For the mandarin orange, soil application of 700:375:600 g / tree NPK, AM fungi ( <i>Glomus fasciculatus</i> ) @ 1 kg / tree is recommended. Manures are to be applied in the basin 70 cm away from the trunk and incorporated.

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

Agro Advisory:

Crop	Stage	Advisory
General		Farmers are requested to download and utilize the agricultural based mobile apps suggested by TNAU (TNAU AAS, Meghdoot and DAMINI).
Rice	Harvest	By utilizing prevailing weather condition harvest the matured paddy.

Coconut		Those not applied fertilizer to Coconut may prepare basins 1.8 m from the base around the tree and apply 50 kg of FYM or compost or green manure, 650 g urea, 1.0 kg super phosphate and 1.0 kg muriate of potash during June – July.
cotton		Due to prevailing weather the white fly infestation may occur in cotton. To control white fly in cotton, Spray profenophos 50% EC 1000ml/ha.
Cattle	Cow	Farmers are advised to apply Butox solution (2 ml in 1 litre water) externally to remove ecto - parasites in sheep and goats.

SMS advisory

By utilizing prevailing weather condition harvest the matured paddy.

## Tiruchirapalli

Tamilnadu's average rainfall is likely to be increase than the normal during this week. Blackgram VBN 8 & VBN 11 are available in KVK, Sirugamani, Trichy – 115. Contact: 8508835287.

Crop(Varieties)	Crop Specific Advisory
RICE	Due to prevailing weather thrips infestation may occur in paddy at nursery stage. To control thrips infestation spray thiamethoxam 25% WG 4g
SUGARCANE	To control mealy bug in sugarcane, spray malathion 2ml/litre.
COTTON	Due to prevailing weather the white fly infestation may occur in cotton. To control white fly in cotton, Spray profenophos 50% EC 1000ml/ha.
BANANA	Light to heavy wind/gust speed will expected in forthcoming days so farmers are advised to save the banana crop by using stacking method with casuarina poles.
CHILLI	Due to prevailing weather the Thrips incidence may occur in Chillies. To control, Spray Imidacloprid 17.8 SL 3 ml/10 litre.
JASMINE	For red spider mite incidence in jasmine, spraying of fenazagnin 10%EC @ 2ml/litre is recommended.
Live Stock(Varieties)	Live Stock Specific Advisory
GOAT	Pneumonia in goats – Fever, Respiratory distress, Mucous discharge from nostril, Reduced feed intake & Weight gain and Cough. Remedial measures: Provide clean water and ventilated house.
COW	To avoid mastitis disease in milching animals use potassium permanganate for cleaning the udder before and after milking.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Due to high wind speed feed material of poultries may be drifted hence hanging of gunny bags at the borders of the shed to reduce the wind speed.

## Tiruchirapalli Block level

### Andanallur, Lalgudi, Manachanellur, Manapparai, Manikandam and Marungapuri Blocks

Tamilnadu's average rainfall is likely to be increase than the normal during this week. Blackgram VBN 8 & VBN 11 are available in KVK, Sirugamani, Trichy – 115. Contact: 8508835287.

Crop(Varieties)	Crop Specific Advisory
RICE	Due to prevailing weather thrips infestation may occur in paddy at nursery stage. To control thrips infestation spray thiamethoxam 25% WG 4g.
SUGARCANE	To control mealy bug in sugarcane, spray malathion 2ml/litre.
COTTON	Due to prevailing weather the white fly infestation may occur in cotton. To control white fly in cotton, Spray profenophos 50% EC 1000ml/ha.
Horticulture(Varieties)	Horticulture Specific Advisory
JASMINE	For red spider mite incidence in jasmine, spraying of fenazagnin 10%EC @ 2ml/litre is recommended.
GOAT	Pneumonia in goats – Fever, Respiratory distress, Mucous discharge from nostril, Reduced feed intake & Weight gain and Cough. Remedial measures: Provide clean water and ventilated house.
COW	To avoid mastitis disease in milching animals use potassium permanganate for cleaning the udder before and after milking.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Due to high wind speed feed material of poultries may be drifted hence hanging of gunny bags at the borders of the shed to reduce the wind speed.

### Musiri, Pullambadi, Tattayangarpettai, Thiruverambur, Thottiam and Turaiyur Blocks

Tamilnadu's average rainfall is likely to be increase than the normal during this week. Blackgram VBN 8 & VBN 11 are available in KVK, Sirugamani, Trichy – 115. Contact: 8508835287.

Crop(Varieties)	Crop Specific Advisory
RICE	Due to prevailing weather thrips infestation may occur in paddy at nursery stage. To control thrips infestation spray thiamethoxam 25% WG 4g
COTTON	Due to prevailing weather the white fly infestation may occur in cotton. To control white fly in cotton, Spray profenophos 50% EC 1000ml/ha.
Horticulture(Varieties)	Horticulture Specific Advisory
BANANA	Light to heavy wind/gust speed will expected in forthcoming days so farmers are advised to save the banana crop by using stacking method with casuarina poles.

GOAT	Pneumonia in goats – Fever, Respiratory distress, Mucous discharge from nostril, Reduced feed intake & Weight gain and Cough. Remedial measures: Provide clean water and ventilated house.
COW	To avoid mastitis disease in milching animals use potassium permanganate for cleaning the udder before and after milking.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Due to high wind speed feed material of poultries may be drifted hence hanging of gunny bags at the borders of the shed to reduce the wind speed.

## Uppiliapuram and Vaiyampatti Blocks

Tamilnadu's average rainfall is likely to be increase than the normal during this week. Blackgram VBN 8 & VBN 11 are available in KVK, Sirugamani, Trichy – 115. Contact: 8508835287.

Crop(Varieties)	Crop Specific Advisory
RICE	Due to prevailing weather thrips infestation may occur in paddy at nursery stage. To control thrips infestation spray thiamethoxam 25% WG 4g
Horticulture(Varieties)	Horticulture Specific Advisory
BANANA	Light to heavy wind/gust speed will expected in forthcoming days so farmers are advised to save the banana crop by using stacking method with casuarina poles.
CHILLI	Due to prevailing weather the Thrips incidence may occur in Chillies. To control, Spray Imidacloprid 17.8 SL 3 ml/10 litre.
JASMINE	For red spider mite incidence in jasmine, spraying of fenazagnin 10%EC @ 2ml/litre is recommended.
GOAT	Pneumonia in goats – Fever, Respiratory distress, Mucous discharge from nostril, Reduced feed intake & Weight gain and Cough. Remedial measures: Provide clean water and ventilated house.
COW	To avoid mastitis disease in milching animals use potassium permanganate for cleaning the udder before and after milking.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Due to high wind speed feed material of poultries may be drifted hence hanging of gunny bags at the borders of the shed to reduce the wind speed.

## Dindigul

SMS Advisory	Chances of light rain during 4, 5, & 6 Aug. Maximum temperature would be in the range of 40°C to 42°C and the minimum temperature would be between 24°C - 26°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 10-12 Kmph from, Northwest & West directions.
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General Advisory:

Extended range Forecast for next week (04th – 10th Aug 2023):

#### Rainfall:

As per extended range predictions, there is possibility of below normal rainfall likely over the district during 04th to 10th August 2023.

#### Maximum Temperature:

Maximum temperatures is likely to be near normal to slightly above normal and are likely to be in the range 26°C to 34°C over the plains of the district during next week. 04th to 10th August 2023.

#### Minimum Temperature:

Minimum temperatures are likely to be near normal and are likely to be in the range 20°C to 24°C over the district during next week 04th to 10th August 2023.

Farmers are advised to get ready for sowing and planting of horticultural crops, such as Chillies, Brinjal, Snakegourd, Banana and other perennial crops during this season (Aadipattam).

Wind with the speed of 10 to 12 kmph is expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Weather Based Agro-Advisories: (Chilly, Maize & Animal Husbandry).

#### Chilly:

The occurrence of Fusarium wilt was noticed in Chilly. Fusarium wilt is characterized by wilting of the chilly plant, an upward and inward rolling of the leaves occurs and leaves turn yellow and die. Generally, appear in localized areas of the field, where a high percentage of the plants wilt and die, although scattered wilted plants may also occur.

To avoid this, use wilt-resistant varieties. Seed treatment with 4-10 gms of Trichoderma viride formulation per kg of seed is more effective. Mix 2kg of T.Viride formulation with 50kg FYM, sprinkle water and cover with a thin polythene sheet.

When mycelia growth is visible on the heap after 15 days, apply the mixture in rows of chilly plants in an area of one acre.

To control, spray Azoxystrobin 18.2% + Difenconazole 11.4%SC @ 25ml per 10 litres of water.

Spraying can be done during non-rainy days.

#### Maize:

Farmers planning to cultivate Maize during July-August (Adi pattam) can choose the TNAU Maize Hybrid COH (M) 11.

This seed is suitable for the Adi pattam season. Duration 105 – 110 days.

Drought tolerant and Better fodder qualities. Kernels with high test weight.

Moderately resistant to Fall Army Worm and Charcoal Rot.

#### Animal Husbandry:

There are chances of diarrhoea in the poultry. To protect the other birds from Diarrhoea, keep the diseased birds separately.

Medicate the drinking water with 2gm Microsol or Bactrisol + 5ml Vimrol Syrup per litre of water. Medicated water should be given to all the birds for 5 days in the morning and evening time.

## Madurai

SMS Advisory	Chances of light rain during 4, 5, & 6 Aug. Maximum temperature would be in the range of 40°C to 42°C and the minimum temperature would be between 24°C - 26°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 8 – 10 Kmph from, West & Southwest directions
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General Advisory:

Extended range Forecast for next week (04th – 10th Aug 2023):

Rainfall:

As per extended range predictions, there is possibility of below normal rainfall likely over the district during 04th to 10th August 2023.

Maximum Temperature:

Maximum temperatures is likely to be near normal to slightly above normal and are likely to be in the range 26°C to 34°C over the plains of the district during next week. 04th to 10th August 2023.

Minimum Temperature:

Minimum temperatures are likely to be near normal and are likely to be in the range 20°C to 24°C over the district during next week 04th to 10th August 2023.

Farmers are advised to get ready for sowing and planting of horticultural crops, such as Chillies, Brinjal, Snakegourd, Banana and other perennial crops during this season (Aadipattam).

Wind with the speed of 8 to 10 kmph is expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

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

Paddy:

Farmers planning to transplant Paddy during the Kharif season are advised to take up sowing with 20kg of either Sun hemp or Daincha or Multigrain.

Do in-situ incorporation within 30 – 45 days after sowing.

Select Daincha as a green manure crop for soil and water having alkaline ph.

Coconut:

There are chances for the incidence of Thanjavur wilt disease in coconut crops. The spread of the disease is faster from July to November.

Initial symptoms of Thanjavur Wilt start with yellowing and drooping of the outer whorl of leaves. This is followed by the exudation of reddish brown liquid through cracks at the base of the trunk and oozing spread upwards.

Decaying of tissues at the bleeding point and rotting of the basal portion of the stem.

To control this mix and apply Pseudomonas fluorescence @ 200gm + Phosphobacter @ 200gm + Azotobacter @ 200gm with 50kg of FYM per tree. Also, mix 5kg of Neem cake with 50kg of FYM per tree and apply it in six-month intervals.

Animal Husbandry:

There are chances of diarrhoea in the poultry. To protect the other birds from Diarrhoea, keep the diseased birds separately.

Medicate the drinking water with 2gm Microsol or Bactrisol + 5ml Vimrol Syrup per litre of water. Medicated water should be given to all the birds for 5 days in the morning and evening time.

## **Pudukottai**

Farmers are requested to take up Sowing and planting operations, especially vegetable crops like chillies, brinjal, gourd, banana and perennial crops. Farmers are requested to take up Sowing and planting operations, especially vegetable crops like chillies, brinjal, gourd, banana and perennial crops.

Crop(Varieties)	Crop Specific Advisory
RICE	The prevailing weather condition favours the stem borer incidence in paddy. Place pheromone traps @ 4 / ac to control stem borer population. Also to control this, spray profenophos at 400 ml/acre.(or) Apply Cartarp hydrochloride 4 G @ 6 kg/ac for effective control of stemborer.
MAIZE	Can cultivate Maize Adipattam Season (July - August ) irrigated maize sowing may be done with imidacloprid 70 WS seed treatment @ 10g/kg of seeds.
Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	Kind attention to the farmers who are planning to cultivate Tomato crops in Adi pattam (July-August). Before planting, at the last ploughing, apply 10 tonnes of farm yard manure per acre as a basal dose. Spraying can be done during non-rainy days.
COCONUT	Since temperature starts rising, the black headed caterpillar in coconut may be seen increasing. To control the above pest in initial stage the braconid parasitoids may be released @ 2100 /ac.
BRINJAL	Prevailing weather condition the incense of leaf Spot in Brinjal. During rainy and cloudy weather the attack of leaf spot is heavy. To control spray any one of the followings 2 gm Copper oxychloride or 2 ½ gm Zineb per litre of water .
Poultry(Varieties)	Poultry Specific Advisory
CHICK	There are chances of diarrhoea in the poultry. To protect the other birds from Diarrhoea,keep the diseased birds separately. Medicate the drinking water with 2gm Microsol or Bactrisol + 5ml Vimrol Syrup perlitre of water. Medicated water should be given to all the birdsfor 5 days in the morning and evening time.
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	During adipattam farmers can soak seed in one percent potassium chloride solution for 6 hours one day before sowing of quality seeds and leave to dry for 16 hours in the shade before sowing. Through this seed hardening treatment the young seedlings get uniform germination capacity and growth and the seedlings emerge and develop into active seedlings.

## Ramanathapuram

From extended range forecast, normal rainfall, maximum and minimum temperature expected for the period of August 06 to August 12 over Tamil Nadu. In coconut tree basins application of coconut leaves and coir waste can help to prevent evaporation loss, so farmer can able to save water.

Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Due to the prevailing weather condition incidence of rugose whitefly is expected in coconut. The damage symptoms are presence of heavy white waxy material and sticky honeydew on the under surface of leaves and become black sooty mold formation on the coconut leaves. If symptoms are observed in coconut tree. Spraying of water forcibly on the under surface of the palm by forcible sprayers. Setting up of yellow sticky.

COCONUT	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.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	As per the advice of the veterinary doctor, farmers are instructed to vaccinate their dairy animals against HS, BQ and FMD disease.
GOAT	Farmers are advised to deworm their goat and sheep to avoid the endoparasites.
Poultry(Varieties)	Poultry Specific Advisory
HEN	Due to prevailing weather conditions favourable for ranikhet disease in poultry. The main symptoms are twisting of the neck and paralysis of wings and legs, Diarrhoea, Drop in egg production and sudden death. To prevent ranikhet diseases in poultry contact the local veterinarian for vaccination.

## Sivagangai

SMS Advisory	Chances of light rain on 5 & 6 Aug. Maximum temperature would be in the range of 40°C to 42°C and the minimum temperature would be between 24°C - 26°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 10 – 12 Kmph from, Southwest direction.
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### General Advisory:

Extended range Forecast for next week (04th – 10th Aug 2023):

#### Rainfall:

As per extended range predictions, there is possibility of below normal rainfall likely over the district during 04th to 10th August 2023.

#### Maximum Temperature:

Maximum temperatures is likely to be near normal to slightly above normal and are likely to be in the range 26°C to 34°C over the plains of the district during next week. 04th to 10th August 2023.

#### Minimum Temperature:

Minimum temperatures are likely to be near normal and are likely to be in the range 20°C to 24°C over the district during next week 04th to 10th August 2023.

Farmers are advised to get ready for sowing and planting of horticultural crops, such as Chillies, Brinjal, Snakegourd, Banana and other perennial crops during this season (Aadipattam).

Wind with the speed of 10 to 12 kmph is expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Weather Based Agro – Advisories: (Important Crops: Maize, Brinjal & Animal Husbandry)

#### Maize:

Farmers planning for maize cultivation, are advised to treat the seeds before sowing. Select good quality seeds.

Adopt the seed rate @ 20kg/ha for hybrids and 25kg/ha. for varieties. Adopt a spacing of 45 cm between rows and 20 cm between plants in the row.

Seeds treated with fungicides may be treated with three packets (1600 g/ha) of Azospirillum. Dibble the seeds at a depth of 4 cm.



#### Brinjal:

The incense of Bacterial Wilt is expected in Brinjal. Symptoms of Bacterial wilt are leaf surface wilting, stunting growth, yellowing of the foliage and finally collapse of the entire plant.

To control this, soil drenching of *Trichoderma Viride* @ 50gms per 10 litres of water is recommended.

#### Animal Husbandry:

There are chances of diarrhoea in the poultry. To protect the other birds from Diarrhoea, keep the diseased birds separately.

Medicate the drinking water with 2gm Microsol or Bactrisol + 5ml Vimrol Syrup per litre of water.

Medicated water should be given to all the birds for 5 days in the morning and evening time.

## Theni

SMS Advisory	Chances of light rain on 5 & 6 Aug. Maximum temperature would be in the range of 33°C to 34°C and the minimum temperature would be between 26°C - 27°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 10 – 12 Km/h from, West direction
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#### General Advisory:

Extended range Forecast for next week (04th – 10th Aug 2023):

#### Rainfall:

As per extended range predictions, there is possibility of below normal rainfall likely over the district during 04th to 10th August 2023.

#### Maximum Temperature:

Maximum temperatures is likely to be near normal to slightly above normal and are likely to be in the range 26°C to 34°C over the plains of the district during next week. 04th to 10th August 2023.

#### Minimum Temperature:

Minimum temperatures are likely to be near normal and are likely to be in the range 20°C to 24°C over the district during next week 04th to 10th August 2023.

Farmers are advised to get ready for sowing and planting of horticultural crops, such as Chillies, Brinjal, Snakegourd, Banana and other perennial crops during this season (Aadipattam).

Wind with the speed of 10 to 12 km/h is expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Weather Based Agro-Advisories: (Mango, Jackfruit & Animal Husbandry)

#### Tomato:

This season is suitable for vegetable seed sowing. Farmers are advised to treat the vegetable seeds with *Trichoderma viride* @ 10gm/ kg of seed before sowing, to avoid rot disease in seedlings.

#### Jackfruit:

Jackfruit cultivators are advised to apply fertilizers to Jack breeds as follows. After harvest, for well-matured trees, apply Urea @ 1650gm, Superphosphate @ 2220gm, Potash @ 850gm and Farmyard Manure @ 50kg.

#### Animal Husbandry:

There are chances of diarrhoea in the poultry. To protect the other birds from Diarrhoea, keep the diseased birds separately.

Medicate the drinking water with 2gm Microsol or Bactrisol + 5ml Vimrol Syrup per litre of water.

Medicated water should be given to all the birds for 5 days in the morning and evening time.

## Kanyakumari

### AGRO ADVISORIES:

S. N.	CROP	STAGES	ADVISORIES
	There are possibility of rainfall on 03.08.23 and 04.08.23. Maximum temperature will range from 34 - 35°C and minimum temperature will range from 23 - 24 °C. Partly cloudy condition may prevail. The morning relative humidity will range from 70 % and it may range from 60 % during afternoon. Wind speed may be 14 – 18 km / hr in West direction.		
1.	Banana	All stages	Since the wind speed is 14 - 18 km/hr staking should be given to banana.
2.	Rice	Tillering stage	Spray metominostrobin @ 500 ml/ha to control the brown spot in rice.
3.	Pulses	All stages	Apply of indoxacarb @ 1 ml/litre for the management of pod borer.
4.	Coconut	All stages	By utilizing the rain apply half the dose of 1.3 kg urea, 2.0 kg super phosphate and 2.0 kg of muriate of potash per tree along with 25 kg well decomposed Farm Yard Manure in semi circular trenches made around the coconut palm at 6.0 feet radius.

#### SMS Advisory :

Coconut : Green manure crops sown in the coconut basin or in the interspace of coconut gardens have to be incorporated into the soil if they have attained 50% flowering.

## Salem

### Weather Advisory Bulletin for livestock, poultry and agro advisory

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Salem:		
Citrus	Vegetative stage	To control citrus canker disease cut the affected parts then spray 3gm copper oxychloride 50 W.P and 0.5 gm streptomycin sulphate or 1% Boardo mixture in every liter of water.
Brinjal:	Vegetative stage	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 and spray.
Ladies finger	Vegetative stage	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.
Sugarcane:	Vegetative stage	Due to the past dry weather condition, Mealy bug incidence in sugarcane has increased. To manage soil application of 5 tonnes of FYM/organic manure+ neem cake per acre along with sparying of dimethoate 30EC at 1ml per litre of water using battery operated or hand sprayer.
Bhendi/orkra/ brinjal-white fly	Vegetative stage	The prevailing weather condition favours proliferation of white fly. For management of little leaf, remove infected plant part and controlling whitefly vector by spraying Acetamiprid @ 3gram/15 lit. For the management of wilt disease apply 750 gram Trichoderma with 15 kg FYM for one Acre. Regular removal and destruction of infested

		shoots and fruits by shoot and fruit borer. Install yellow sticky traps and blue sticky traps for sucking pests. Install sex pheromone traps @ 40 per ha and replace the lure after 40 days for management of shoot and fruit borer.
Chilli	Vegetative stage	High temperature followed by cloudy sky with drizzling may favour incidence of thrips in Chilly. To avoid damage spraying of Emamectin benzoate 5%SG @4g/10 lit.(or)Spinosad 45 %SC @ 3.2ml/10lit may be done.
Cotton	Vegetative stage	The prevailing cloudy conditions favour premature shedding of floral buds and young bolls. Spraying of TNAU Cotton Plus @ 2.5 kg / acre can ensure good yield.
Greengram:		Take care while drying the harvested produce.
Coconut	Vegetative stage	By utilizing the weather, green manure seeds may be sown around the coconut trees and incorporated after 45days will provide nutrient to coconut and control monsoon seasonal weeds.
Coffee		Spraying of Bordeaux mixture 0.5% before flowering, during rainy and after rainy seasons in the month of may, august- september and october respectively will prevent from the diseases.
Tapioca	Vegetative stage	Due to the past dry weather condition, there are chances for increase in red spider mite damage in Tapioca. To manage red spider mite, remove the weeds that acts as alternate source for mites and keep the field wee free and spray Omite 57 ec at 2 ml per litre of water.
Cow	General	Farmers are advised to provide 30-50 gram of mineral mixture per animal to improve the production in dairy animalsFarmers are advised not to allow the animals to drink the stagnated water.

## Namakkal

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

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	<p>The Prevailing weather conditions are favourable for Newcastle Disease in poultry. The main symptoms are twisting of neck and paralysis of wings and legs, Diarrhoea, Drop in egg production and sudden death.Desi birds should be vaccinated against Newcastle Disease on 7th day with F1 strain (Eye drop), on 28th day with Lasota (Eye drop) and on 56th day with RDVK vaccine. Along with that to reduce the incidence of Newcastle Disease use ethno veterinary medicine as follows</p> <p>Required Ingredients for 10 desi birds</p> <p>Cumin seeds (Seeragam ) – 10 grams  Black pepper (Milagu) - 5 grams  Turmeric powder - 5 grams  Small onion - 5 numbers  Garlic - 5 cloves  Phyllanthus amarus (Keelanelli) – 50 grams</p> <p>Procedure:  Grind all the ingredients and make slimy paste into small balls.  The balls may be given in divided doses through oral route or mix with feed</p>

		ingredients and can be given to the affected birds.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Vegetables	Sowing period	This is a season for vegetable sowing, hence the farmers are advised to treat the vegetable seeds with Trichoderma viride @ 4 gram / kg of seed or 10 gram of Bacillus subtilis before sowing to avoid rot in seedlings.
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. Also, field release of Anagyrus lopezi parasitoid @ 200 numbers / acre can be undertaken.
Coconut	Growing stage	Coconut rugose spiraling whitefly incidence was noticed all over Namakkal district. It can be managed by spraying Neem oil – 5 ml with 1.5 ml sticking agent using power gun sprayer and placing yellow sticky trap of 3 ft X 1.5ft @ 10 numbers / acre. Sooty mould can be controlled by spraying starch solution and allowing chrysoperla insect feeder @ 400 numbers and Encarsia parasitoid @ 100 / acre. Avoid using chemical pesticides.
Banana	Growing stage	Banana growers are advised to follow propping to bearing plants with the help of bamboo pole / casuarina pole to avoid falling down due to increase of wind speed.

## Dharmapuri

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

SMS: light rainfall – Farmers are requested to postpone the irrigation and chemicals. Casava Red spider Mites spray Magister 10% EC 2 m.l/lit with sticking agent	
Crop	Advisory
Banana	Provide drainage facility and avoid fertilizer and pesticide application. Removal and destruction of decaying and rotten leaves. Propping can be done to 5 months old and above to avoid lodging of tree due to rain and wind.
Tapioca	Tapioca mealy bug Management practices, Infected shoots should be removed. Collect infected dry plants and discard or burn away from the field. In early stage of infection, any one of the following insecticide can be spray: Azadirachtin 0.15 % @ 50 ml/ liter of water, Fish oil resin soap @ 2.0 ml/ liter of water. Any one of the following insecticide can be sprayed on rotation basis as and required Thiamethoxam 25 WG @ 0.5 gram /liter of water, Flonicamid 50 WG @ 0.3 gram/ liter of water, Spirotetramat 150 OD @ 1.25 ml / liter of water.
Chillies	Chillies trips The infested leaves develop crinkles and curl upwards, Elongated petiole, Buds become brittle and drop down, Early stage, infestation leads to stunted growth and flower production, fruit set are arrested for control measures Inter crop with agathi (Sesbania grandiflora) to provide shade which regulate the thrips population, Do not grow chilli after sorghum, Do not follow chilli and onion mixed crop, Sprinkle water over the seedlings to check the multiplication of thrips Fipronil 5 % SC @1.5 ml/lit or Spinosad 45 % SC @ 3.2 ml/10 lit.. Apply or Spray any one of the following insecticide.

Groundnut	Groundnut Thrips-Tender leaves showing yellowish green patches on the upper surface and brown necrotic areas and silvery sheen on the lower surface Severe infestations cause stunted plants apply Fipronil 2m/l / lit
Jasmine	Jasmine whitefly Nymphs and adults suck the sap from the under surface of the leaves, Infested leaves turn yellow for control measures yellow sticky trap 8 numbers/ha Collect and destroy the infested leaves along with life stages of insects, Spray NSKE 5% or dimethoate 30 EC 2ml/lit or methyl demeton 25 EC 2ml/lit
Cattle	Mastitis in high yielding cows: Mastitis is a very common problem in high yielding cows caused mainly by bacterias in unhygienic farm conditions. Ethno veterinary medicine for Mastitis: 1. Aloe vera -250g. 2. Turmeric- 50g. (rhizome (or) powder. 3. Calcium hydroxide. (Lime-15g). Preparation: 1. Blend ingredients to form a reddish paste. Application: 1. Make a handful of paste by adding 150-200ml of water. 2. Wash and clean the udder and apply the mixture throughout. 3. Repeat the application 10 times a day for 5 days. 4. Feed 2 lemons twice daily for 3 days.
Paddy	Paddy Brown Spot- prevailing weather condition Temperature of 25-30°C, Relative humidity above 80 per cent, excess of nitrogen aggravates the disease incidence attacks seedling in nursery to milky stage in main field. The disease appears first as minute brown dots later becoming cylindrical or oval to circular to control Carbendazim12% + Mancozeb 63%wp 2.0 g per lit.

## Krishnagiri

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

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	<p>The Prevailing weather conditions are favourable for Newcastle Disease in poultry. The main symptoms are twisting of neck and paralysis of wings and legs, Diarrhoea, Drop in egg production and sudden death. Desi birds should be vaccinated against Newcastle Disease on 7th day with F1 strain (Eye drop), on 28th day with Lasota (Eye drop) and on 56th day with RDVK vaccine. Along with that to reduce the incidence of Newcastle Disease use ethno veterinary medicine as follows</p> <p>Required Ingredients for 10 desi birds</p> <p>Cumin seeds (Seeragam ) – 10 grams  Black pepper (Milagu) - 5 grams  Turmeric powder - 5 grams  Small onion - 5 numbers  Garlic - 5 cloves  Phyllanthus amarus (Keelanelli) – 50 grams</p> <p>Procedure:  Grind all the ingredients and make slimy paste into small balls.  The balls may be given in divided doses through oral route or mix with feed ingredients and can be given to the affected birds.</p>
Agro advisory from Krishi Vigyan Kendra		
Vegetables	Sowing	This is a season for vegetable sowing, hence the farmers are advised to treat

	period	the vegetable seeds with Trichoderma viride @ 4 gram / kg of seed or 10 gram of Bacillus subtilis before sowing to avoid rot in seedlings.
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. Also, field release of Anagyrus lopezi parasitoid @ 200 numbers / acre can be undertaken.
Coconut	Growing stage	Coconut rugose spiraling whitefly incidence was noticed all over the places. It can be managed by spraying Neem oil – 5 ml with 1.5 ml sticking agent using power gun sprayer and placing yellow sticky trap of 3 ft X 1.5ft @ 10 numbers / acre. Sooty mould can be controlled by spraying starch solution and allowing chrysoperla insect feeder @ 400 numbers and Encarsia parasitoid @ 100 / acre. Avoid using chemical pesticides.
Banana	Growing stage	Banana growers are advised to follow propping to bearing plants with the help of bamboo pole / casuarina pole to avoid falling down due to increase of wind speed.

## Karaikal

### Agro Advisory

Crop/live stock	Stage/Particulars	Agro Advisory
Rice	Green algae	To avoid the growth of green algae in paddy fields, Copper Sulphate @ one Kg in muslin cloth may be placed in the outlet of bore water irrigated to the field.
	Nursery Transplanted Wet sowing rice	To manage weeds in nursery, apply Bispyripac sodium 10 % SC @ 1 ml/cent. To manage weeds in transplanted rice, apply Pretilachlor 50 EC 800 ml/ac or Pyrazosulfuron ethyl 10 WP @ 80 g/ac on 0-3 DAT. To manage weeds in direct wet sowing rice, apply Triafamone +(Ethoxysulfuron) 90 g/ac on 12-15 DAS.
Cotton	Flowering stage	The incidence of mealy bug is noticed in cotton. To manage mealy bug, fish oil rosin soap @ 25 g/litre of water or Neem oil 2 % or NSKE 5% or Buprofezin 25 SC @ 2ml/l or Profenophos 50 EC @ 2 ml /litre may be used.
		To control the wilt, wet the root zone of the affected plants as well as the surrounding healthy plants in circle with either Carbendazim @ 1 g/lit or Trifloxystrobin+Tebuconazole @ 0.75 g/litre.

SMS: Postpone irrigation as light rain is expected for next few days.

## Puducherry

Weather based Agro-Advisories:

Crop	Stage/ Particulars	Agro Advisory
Coconut	Reproductive Stage	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 a mixture of neem seed powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown.
Brinjal	Nursery stage	There are possibilities of damping off infestation in brinjal nursery field. For management farmers are advised to apply Bacillus subtilus as a soil application @ 2.5 kg/ha mixed with 50 kg of FYM (or) Prepare raised nursery beds and avoid stagnation of water.
Tapioca	Vegetative stage	To control mealy bug in tapioca, Release of mealy bug parasitoid (Anagyrus lopezi) @200 - 250 Nos./acre.
Mango Cultivation farmers		Mango Cultivation farmers should be guarded once in three years in August and September. In the tree, low branches, cross, overlapping branches, diseased and thin, dead or dry branches should be removed. This allows sunlight and air to reach the inner branches, allowing the tree to grow well and flower and bear fruit. A mango tree should not miss flowering for up to three years. Once a year in August and September, close branches should be cut and only healthy branches should be left. In a perfectly cut portion of the pan. Fungicide (Bordeaux mixture) should be applied like paste. Otherwise, fungus can enter through the cut and cause disease.

SMS:

To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely.

### Puducherry Block level

#### Ariankuppam, Ozhukarai and Villianur Blocks

Light to Moderate rain with thunderstorms & lightning is likely to occur in one or two places on 04.08.2023. To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely.

Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	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 a mixture of neem seed powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown.

BRINJAL	There are possibilities of damping off infestation in brinjal nursery field. For management farmers are advised to apply Bacillus subtilus as a soil application @ 2.5 kg/ha mixed with 50 kg of FYM (or) Prepare raised nursery beds and avoid stagnation of water.
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### **Bahour, Mannadipet and Nettapakkam Blocks**

Light to Moderate rain with thunderstorms & lightning is likely to occur in one or two places on 04.08.2023. To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely.

Horticulture(Varieties)	Horticulture Specific Advisory
TAPIOCA	To control mealy bug in tapioca, Release of mealy bug parasitoid (Anagyrus lopezi) @200 - 250 Nos./acre.
MANGO	Mango Cultivation farmers should be guarded once in three years in August and September. In the tree, low branches, cross, overlapping branches, diseased and thin, dead or dry branches should be removed. This allows sunlight and air to reach the inner branches, allowing the tree to grow well and flower and bear fruit. A mango tree should not miss flowering for up to three years. Once a year in August and September, close branches should be cut and only healthy branches should be left. In a perfectly cut portion of the pan. Fungicide (Bordeaux mixture) should be applied like paste. Otherwise, fungus can enter through the cut and cause disease.

