



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

## **DISTRICT LEVEL**

# **Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 041/2022**

For the period 0830 IST, 24<sup>th</sup> May 2022 to

0830 IST, 29<sup>th</sup> May 2022

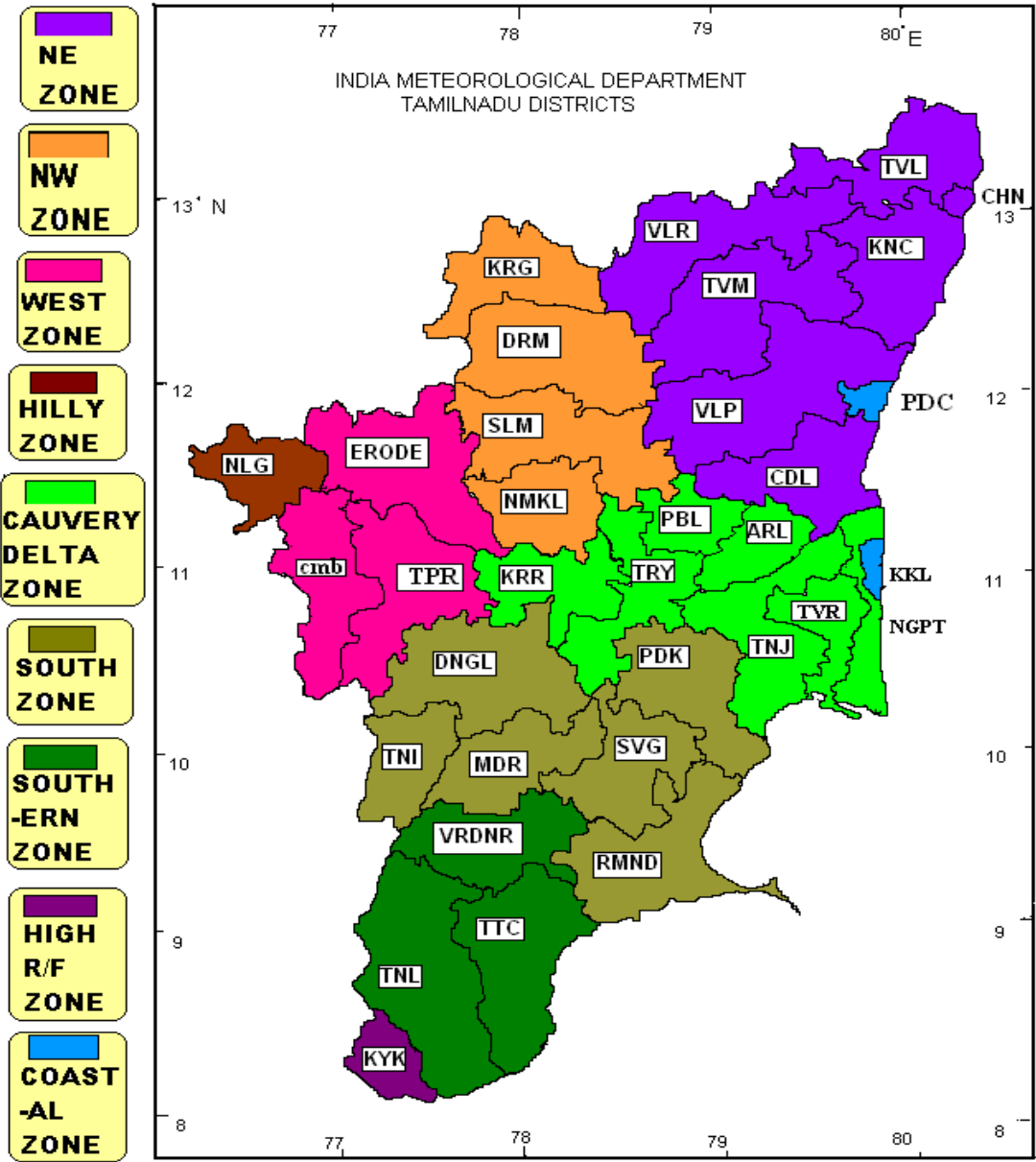
**Issued on Tuesday, 24<sup>th</sup> May 2022**

Issued by

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

## Agro climatic zones of the state

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



## Past Weather Summary for the period 20.05.22 to 23.05.22 for the State of Tamilnadu & Puducherry

### Temperature:

Maximum Temperature of range 27°C – 39°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 15°C – 19°C during the period.

Minimum temperature of range 21°C - 30°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 11°C - 13°C during the same period.

### Spatial distribution of Rainfall

Spatial distribution of Rainfall	Date	Area
Widespread (Most places)	--	--
Fairly widespread (Many places)	--	--
Scattered (Few Places)	--	--
Isolated (Isolated Places)	20.05.22, 21.05.22, 22.05.22 & 23.05.22	Tamil Nadu
Dry	20.05.22, 21.05.22, 22.05.22 & 23.05.22	Puducherry

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

**20.05.22** : Perunchani Dam (dist Kanyakumari), Puthan Dam (dist Kanyakumari), Sivalogam (dist Kanyakumari) 4 each, Suralacode (dist Kanyakumari), Pechiparai (dist Kanyakumari), Chittar (dist Kanyakumari) 3 each, Sholayar (dist Coimbatore), Avalanche (dist Nilgiris), Papanasam (dist Tirunelveli), Chinnakalar (dist Coimbatore), Cincona (dist Coimbatore), Nagercoil ARG ((dist Kanyakumari) 2 each, Ayikudi (dist Tenkasi), Kannimar (dist Kanyakumari), Eraniel (dist Kanyakumari), Thekkadi (dist Theni), Thenkasi (dist Tenkasi), Periyar (dist Theni), Bhoothapandy (dist Kanyakumari), Glenmorgan (dist Nilgiris), Thuckalay (dist Kanyakumari), Valparai PAP (dist Coimbatore) 1 each.

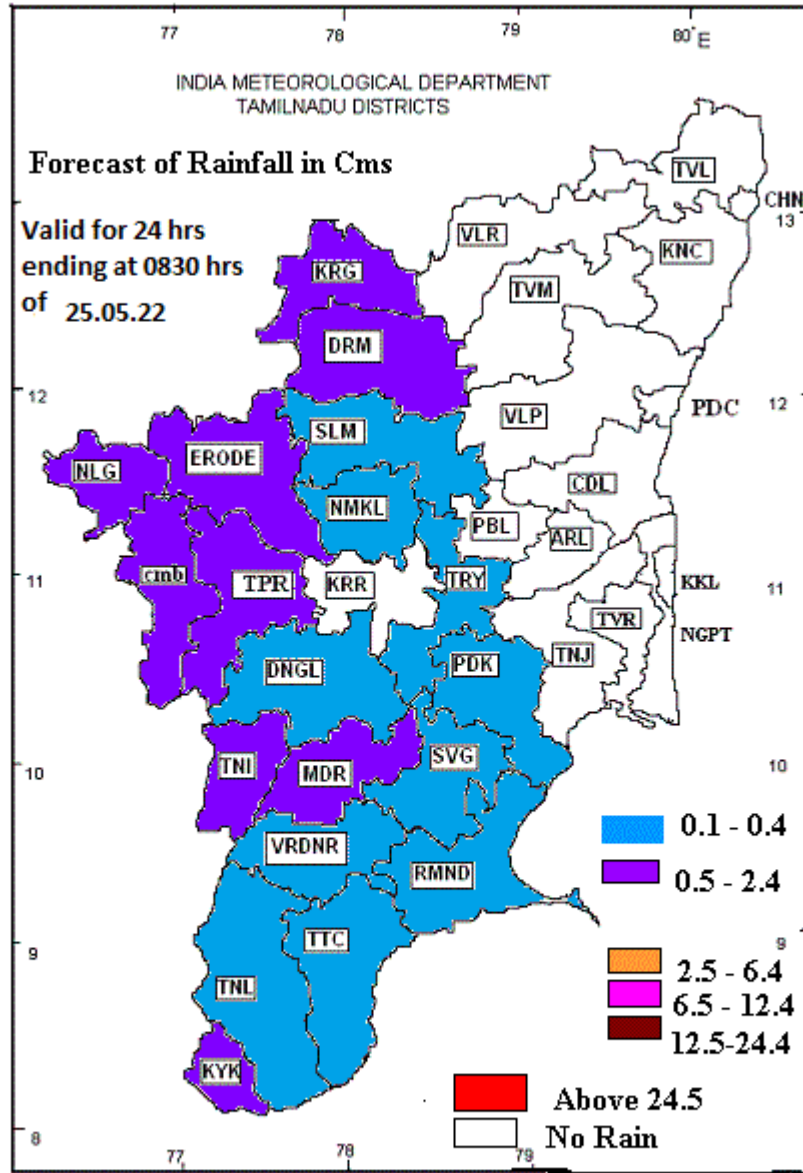
**21.05.22:** Valparai Taluk Office (dist Coimbatore) 8, Valparai Taluk Office (dist Coimbatore), Chinnakalar (dist Coimbatore) 7 Each, Sholayar (dist Coimbatore) 6, Cincona (dist Coimbatore) 5, Periyar (dist Theni), Avalanche (dist Nilgiris), Pechiparai (dist Kanyakumari) 4 Each, Naduvattam (dist Nilgiris), Chittar (dist Kanyakumari), G Bazar (dist Nilgiris), Upper Bhavani (dist Nilgiris), Upper Gudalur (dist Nilgiris) 3 Each, Suralacode (dist Kanyakumari), Puthan Dam (dist Kanyakumari), Sivalogam (dist Kanyakumari), Perunchani Dam (dist Kanyakumari), Thekkadi (dist Theni), Marakkanam (dist Villupuram) 2 Each, Yercaud (dist Salem), Aliyar (dist Coimbatore), Kalial (Kanyakumari), Keeranur (dist Pudukkottai), Thanjai Papanasam (dist Thanjavur), Papanasam (dist Tirunelveli), Thuckalay (dist Kanyakumari), Ayikudi (dist Tenkasi), Bhoothapandy (dist Kanyakumari), Eraniel (dist Kanyakumari), Tirukattupalli (dist Thanjavur), Sriperumbudur (dist Kancheepuram), Glenmorgan (dist Nilgiris), Devala (dist Nilgiris), Thirumanur (dist Ariyalur), Thirukattupalli (Thanjavur), Thanjavur (dist Thanjavur), Thenkasi (dist Tenkasi), Colachel (dist Kanyakumari), Cherumulli (dist Nilgiris), Glenmorgan (dist Nilgiris), Nagercoil ARG (dist Kanyakumari) 1 Each.

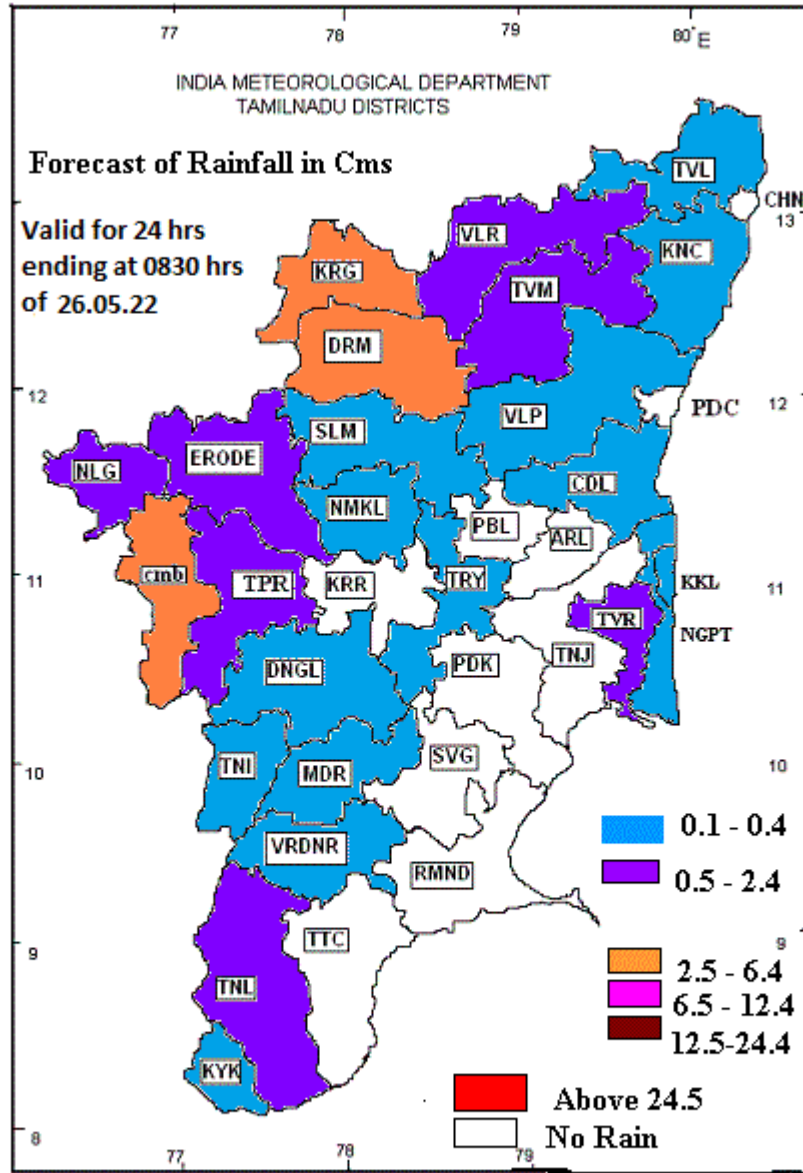
**22.05 .22** : Cincona (dist Coimbatore) 11, Chinnakalar (dist Coimbatore) 10, Valparai PTO (dist Coimbatore), Valparai Taluk Office (dist Coimbatore) 8 each, Sholayar (dist Coimbatore) 6, Naduvattam (dist Nilgiris) 2, Sendamangalam (dist Namakkal), Devala (dist Nilgiris), Uthagamandalam (dist Nilgiris), Avalanche (dist Nilgiris),

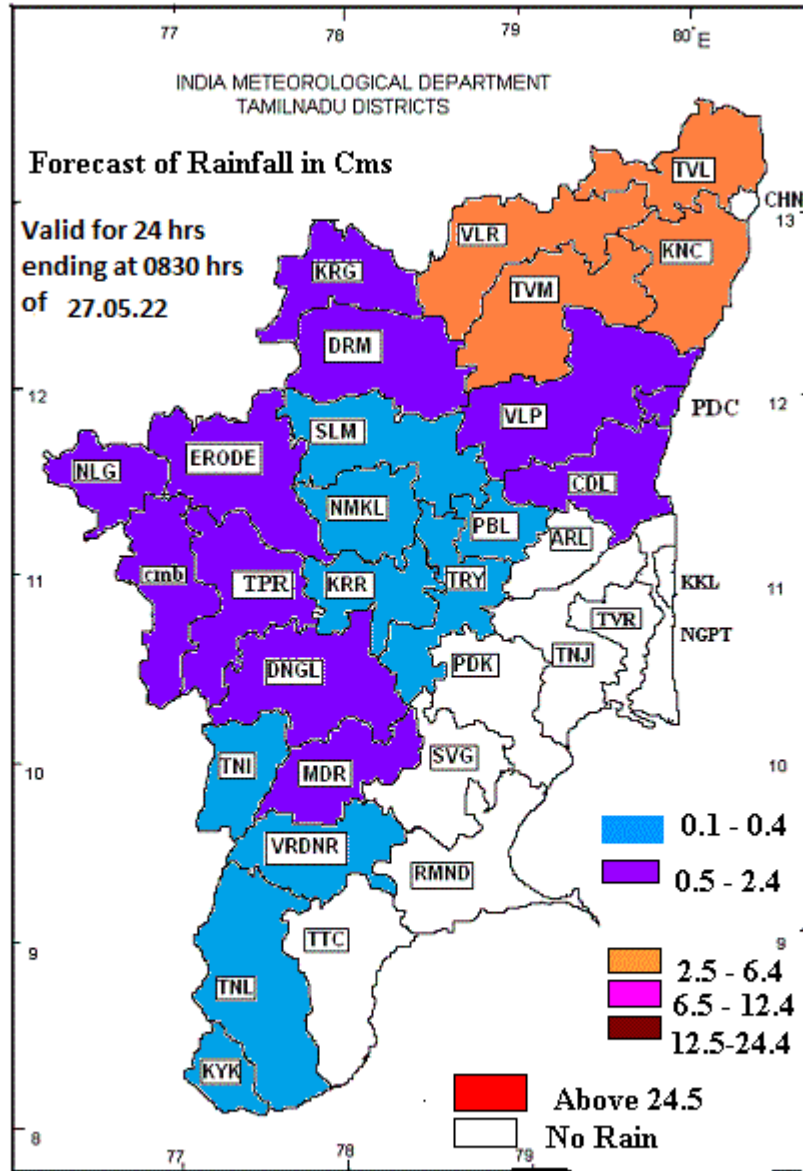
Pelandurai (dist Cuddalore), Tiruvarur (dist Tiruvarur), Pandalur Taluk Office (dist Nilgiris), Koppampatti (dist Trichy), Ketti (dist Nilgiris), Thirumoorthy Dam (dist Tiruppur), DSCL Thiyagadurgam (dist Kallakurichi), Kodanad (dist Nilgiris) 1 each.

**23.05.22** : Cincona (dist Coimbatore), Valparai PTO (dist Coimbatore) 3 each, Chinnakalar (dist Coimbatore), Sholayar (dist Coimbatore), Valparai PAP (dist Coimbatore), Avalanche (dist Nilgiris), Devala (dist Nilgiris), Upper Gudalur (dist Nilgiris), Valparai Taluk Office (dist Coimbatore), Gudalur Bazar (dist Nilgiris) 2 each, Arimalam (dist Pudukkottai), Barwood (dist Nilgiris) 1 each.

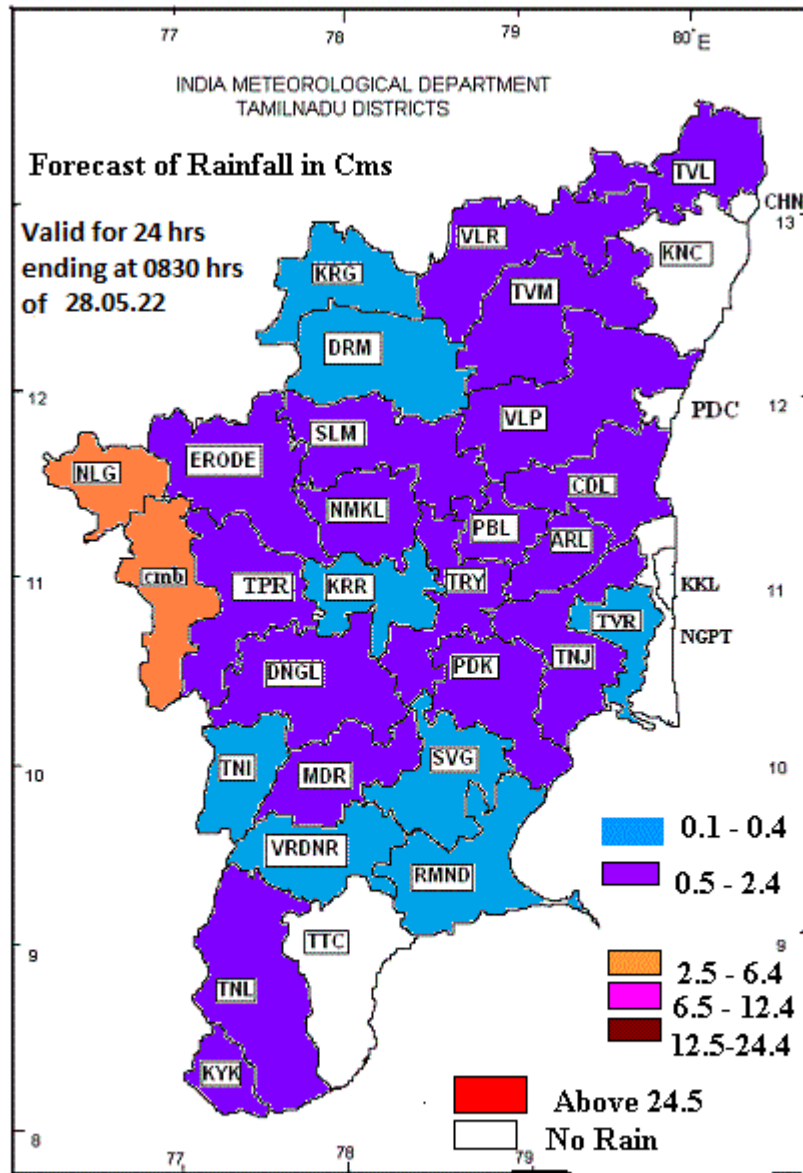
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 24.05.2022  
VALID FOR THE NEXT 5 DAYS**

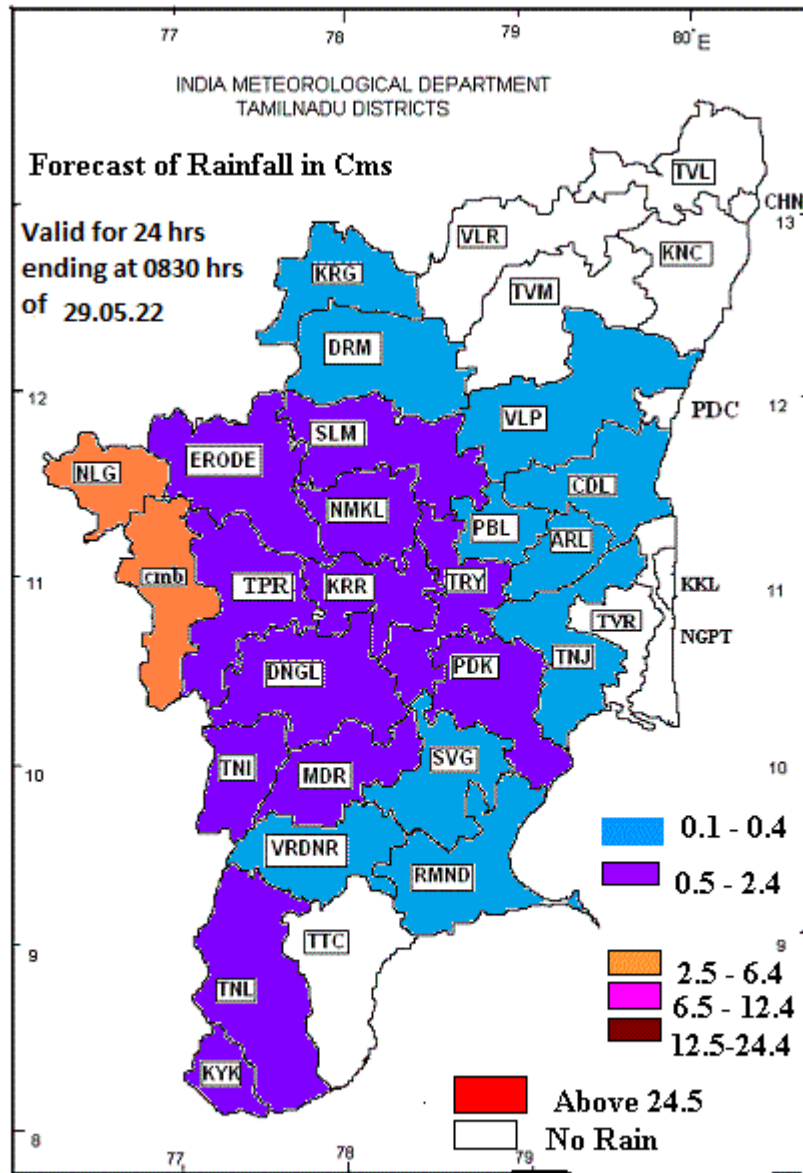












## Districtwise Agromet Advisories

### CHENNAI

#### **SMS Advisory:**

(27.05.2022): Heavy rain is likely to occur at one or two places over Tirupattur, Vellore, Ranipet, Tiruvannamalai, Kancheepuram and Tiruvallur districts of Tamilnadu.

#### **Livestock Advisory**

During summer season due to heat load there might be a temporary loss of appetite in dairy cattle. To prevent the decline of milk production due to lower feed intake the animals may be provided with succulent high moisture (70-80%) containing green fodder.

Provision of high protein concentrate feed to dairy cattle during noon hours in summer season adds to the heat load of heat generated during digestion. To prevent this dairy cattle must be provided with protein rich concentrate feed during night hours so that there will be less heat load and at the same time the animals will get the required amount of protein.

Increasing the frequency of feeding from three to four times per day to high yielding crossbreed, dairy cattle would nominally increase milk production and at the same time will reduce the heat stress.

When the air temperature is above 35 degrees Celsius the dairy cattle tend to drink more water thereby decreasing the Dry Matter Intake (DMI). Hence to overcome this succulent protein rich green fodder mixed with green fodder may be provided to livestock.

White pigs meant for fattening purpose which are fed with high fat containing swill feed would suffer heat load during digestion, during summer season. Hence to prevent this fat containing swill feed should be fed during late evening hours.

Rabbitaries with asbestos/metal roofs will experience more heat during summer, hence covering the roof with coconut leaves or gunny bags and splashing water over them will reduce the inner micro climate of rabbit shed.

Provision of cool wholesome drinking water to poultry during summer is essential.

### KANCHEEPURAM

#### **General Advisory:**

From the extended range forecast of IMD, normal rainfall and minimum temperature & below normal maximum temperature may expected for the period of 29.05.2022 to 04.06.2022 over Tamil Nadu and Pondicherry region. Farmers are advised to summer plough the field after the harvest of existing crops. Farmers are advised to dip the paddy seeding roots in the Biofertilizer solution for 15-30 minutes before transplanting in the main field.

#### **SMS Advisory:**

There are possibilities of light to moderate intensity rainfall on 26.05.2022 and 27.05.2022 in Kancheepuram and Chengalpattu districts.

Crop Specific Advisory:

#### **Crop Specific Advisory:**

Crop(Varieties)	Crop Specific Advisory
GINGELLY	There are possibilities of sucking pest infestation in Sesamum crops. Farmers are advised to monitor the crop and take-up necessary plant protection measures.

#### **Horticulture Specific Advisory:**

Horticulture(Varieties)	Horticulture Specific Advisory
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BRINJAL	There are possibilities of shoot and fruit borer insect infestation in brinjal and bhendi crops. For management farmers are advised to install pheromone trap @ 5/acre.
CHILLI	There are possibilities of whitefly transmitted leaf curl virus infestation in Chilli. For the management of vector farmers are advised to spray Dimethoate 2ml of Acephate 1g per litre of water.

#### Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Farmers are advised to sprinkle water over the dairy animals during hot part of the day. Farmers may provide the concentrate feed in early morning and late evening hours.
GOAT	Farmers are advised to deworm the goat in nearby veterinary dispensary with stable drugs to protect goat against Jowl odema. Mineral block can provide to sheep and goat shed to improve growth rate in animals.

#### Fisheries Specific Advisory:

Fisheries(Varieties)	Fisheries Specific Advisory
INLAND	The forecasted weather may alter the pH level of fish and prawn ponds. For management farmers are advised to go for application of 100-200 kg of lime.
COMMON FISH	During the preparation of farm made fish feeds, fish growers are advised to add vitamins and mineral mixtures @ 0.1 on daily basis to improve the growth.
ORNAMENTAL FISH	Ornamental fish growers are advised maintain sufficient level of aquatic plants in fish tanks to protect the young ones.

#### Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Farmers are advised to provide Clean and chill drinking water to poultry birds 4-5 times in a day. The concentrate feed may provide in dividend and small dose daily during the hot part of the day to avoid feed wastage.

### VILLUPURAM

#### SMS Advisory:

(27.05.2022): Heavy rain is likely to occur at one or two places over Tirupattur, Vellore, Ranipet, Tiruvannamalai, Kancheepuram and Tiruvallur districts of Tamilnadu.

#### Livestock Advisory:

During summer season due to heat load there might be a temporary loss of appetite in dairy cattle. To prevent the decline of milk production due to lower feed intake the animals may be provided with succulent high moisture (70-80%) containing green fodder.

Provision of high protein concentrate feed to dairy cattle during noon hours in summer season adds to the heat load of heat generated during digestion. To prevent this dairy cattle must be provided with protein rich concentrate feed during night hours so that there will be less heat load and at the same time the animals will get the required amount of protein.

Increasing the frequency of feeding from three to four times per day to high yielding crossbreed, dairy cattle would nominally increase milk production and at the same time will reduce the heat stress.

When the air temperature is above 35 degrees Celsius the dairy cattle tend to drink more water thereby decreasing the Dry Matter Intake (DMI). Hence to overcome this succulent protein rich green fodder mixed with green fodder may be provided to livestock.

White pigs meant for fattening purpose which are fed with high fat containing swill feed would suffer heat load during digestion, during summer season. Hence to prevent this fat containing swill feed should be fed during late evening hours.

Rabbitaries with asbestos/metal roofs will experience more heat during summer, hence covering the roof with coconut leaves or gunny bags and splashing water over them will reduce the inner micro climate of rabbit shed.

Provision of cool wholesome drinking water to poultry during summer is essential.

#### **Agricultural advisory Rice:**

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. Alage in paddyfield reduces the growth of crops. To control apply, 2.0 kg of copper sulphate mix with sand.3. Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray chlorantraniliprole 18.5% 150 ml/ha or flubendiamide 39.35 SC 50 g/ha during morning or evening hours.

#### **Sugarcane:**

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

#### **Groundnut:**

To reduce the root rot infection in groundnut treat the seeds with carbendazim or thiram @2.0 g/kg of seed 24 hours before sowing (or) Trichoderma viride @ 4.0 g/kg of seed and Pseudomonas fluorescens @ 10 g/kg seed.

#### **Brinjal:**

Prevailing weather is favorable for shoot and fruit borer incidence in brinjal. To control remove the affected terminal shoot showing boreholes. Install pheromone trap @ 5 nos./ac or spray azadirachtin 1.0% EC 3.0 ml/lit or emamectin benzoate 5% SG 4.0g/10 liter.

#### **coconut:**

Installation of yellow sticky traps (25 Nos./ ha) on the palm trunk to trap the adult whiteflies.2. Encourage buildup of parasitoids (Encarsia sp.) and reintroduce parasitized pupae at emerging zones of whitefly outbreak.3. In severe case, spray neem oil 20 ml/l of water or spray Azadirachtin 2.0 ml/l of water with 1.0 ml of sticking agent.

#### **Chilli:**

prevailing weather is favorable for root rot infestation in chilli. To control spotdrench with carbendazim 1.0 g/lit.

## **TIRUVANNAMALAI**

#### **SMS Advisory:**

(27.05.2022): Heavy rain is likely to occur at one or two places over Tirupattur, Vellore, Ranipet, Tiruvannamalai, Kancheepuram and Tiruvallur districts of Tamilnadu.

#### **Livestock Advisory:**

During summer season due to heat load there might be a temporary loss of appetite in dairy cattle. To prevent the decline of milk production due to lower feed intake the animals may be provided with succulent high moisture (70-80%) containing green fodder.

Provision of high protein concentrate feed to dairy cattle during noon hours in summer season adds to the heat load of heat generated during digestion. To prevent this dairy cattle must be provided with protein rich concentrate feed during night hours so that there will be less heat load and at the same time the animals will get the required amount of protein.

Increasing the frequency of feeding from three to four times per day to high yielding crossbreed, dairy cattle would nominally increase milk production and at the same time will reduce the heat stress.

When the air temperature is above 35 degrees Celsius the dairy cattle tend to drink more water thereby decreasing the Dry Matter Intake (DMI). Hence to overcome this succulent protein rich green fodder mixed with green fodder may be provided to livestock.

White pigs meant for fattening purpose which are fed with high fat containing swill feed would suffer heat load during digestion, during summer season. Hence to prevent this fat containing swill feed should be fed during late evening hours.

Rabbitaries with asbestos/metal roofs will experience more heat during summer, hence covering the roof with coconut leaves or gunny bags and splashing water over them will reduce the inner micro climate of rabbit shed.

Provision of cool wholesome drinking water to poultry during summer is essential.

### **Agricultural advisory Rice**

Since rain is anticipated, provide drainage for the transplanted rice.

In the paddy planting field to apply Beautachlor for weed control 2.5 litre+25 Kg sand per hectare on the third day.

### **Banana**

Prop up 5 month old banana trees.

### **Coconut**

Apply coconut husks with convex surface facing upwards (100 Nos.) or dried coconut leaves (15 Nos) or coir pith up to a height of 10 cm in the basin of 1.8 m radius around the palms as mulch for soil moisture conservation particularly during summer season.

### **sugarcane**

Detrashing and propping may be done in six months old sugarcane.

## **VELLORE**

### **General Advisory:**

As per the IMD extended range forecast (ERF), Tamil Nadu and Puducherry may be receive normal rainfall and below normal temperature for the period of 29.05.2022 to 04.06.2022. Light to moderate rainfall may be expected on forthcoming days. So, farmers are advised to avoid fertilizer application, insecticides or pesticides spray and weeding.

### **SMS Advisory:**

Light to moderate rainfall is expected on forthcoming days. The crops may be affected due to rainfall. So, provide adequate drainage.

### **Crop Specific Advisory:**

Crop(Varieties)	Crop Specific Advisory
RICE	Since rain is anticipated, provide drainage for the transplanted rice. In the paddy planting field to apply Beautachlor for weed control 2.5 litre+25 Kg sand per hectare on the third day. Raising of green manure crops like daincha, sunhump and kolinji can be done and incorporate before flowering. Algae in rice field reduces the growth of crops. To control apply 2.0 kg of copper sulphate mix with sand. ெந வயா படஜ் அள பாஈகைள கி்நபுத் 2 ஈேலா காநபுஜ் ஈ ெபிடை மணா கலு இலுட.
SUGARCANE	Detrashing and propping may be done in six months old sugarcane.

### **Horticulture Specific Advisory:**

Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Apply coconut husks with convex surface facing upwards (100 Nos.) or dried coconut leaves (15 Nos) or coir pith up to a height of 10 cm in the basin of 1.8 m radius around the palms as mulch for soil moisture conservation particularly during summer season.

BANANA	Prop up 5 month old banana trees.
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**Live Stock Specific Advisory:**

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Do not permit the animals to graze on the newly emerging grasses against bacterial diseases. High wind speed of >15 km/hour. Check the stability of the shed.
GOAT	Provide deworming medicine and antidiarrhea medicine in consultation with veterinariyan.

**Poultry Specific Advisory:**

Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Give LASOTA Vaccine as Eye drops for chicks below 1month of age and give vaccine RDVK for adult birds.

**Others (Soil / Land Preparation) Specific Advisory:**

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
AGRI FIELD	Mulching may be followed in rainfed areas to conserve soil moisture, reduce irrigation frequency, reduce weed growth, and mitigate soil evaporation. Very thin film mulching may be used for short duration vegetables. Crop residues act as mulch and reduce the soil evaporation. Coir waste can hold water five times as of its own weight.

**TIRUVALLUR**

**General Advisory:**

From extended range forecast Normal rainfall and Below normal maximum temperature & Normal minimum temperature expected for the period of 29.05.2022 to 04.06.2022 over Tamil Nadu.

**SMS Advisory:**

1. Farmers are advised to harvest the mature crop; 2. Avoid Spraying Operation on 27th, 28th, 29th May.

**Crop Specific Advisory:**

Crop(Varieties)	Crop Specific Advisory
RICE	Rice- Navarai Season- Reproductive to Ripening Phase (Milky stage to Grain maturing stage) - 1.False smut- Spray for Propiconazole 25 EC @ 200 ml/ha (or) Copper hydroxide 77 WP @ 500g /acre at boot leaf and 50% flowering stages; 2.Ear head bug- Spray Neem seed kernel extract 5% (or) spray Malathion 50EC 200 ml/acre; 3.Rice grain discoloration-Spray tebuconazole 50% + trifloxystrobin 25% WG @ 200 gm/ha at 50% flowering stage.

RICE	Sornavari season-Nursery Stage to Planting Stages- 1. Thrips- Spray Thiamethoxam 25% WG 4g/20 cent in 10 litre of water; 2.Stem bore- Spray Azadirachtin 0.03% 400 ml (Or) Flubendiamide 20% WG 50g per acre in 200 litres of water; 3. Algae Growth- Application of Copper Sulphate 2 kg per acre through in Irrigation water.
SUGARCANE	Sugarcane-Early shoot borer- Spray Thiamethoxam 75% w/w SG @ 64 g (or) Spray Chlorantraniliprole 18.5 % SC @ 150 ml per acre in 200 litre of water.

#### Horticulture Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
OKRA/ LADYFINGER	Bhendi- Preparation of field- Plough the land 4 - 5 times and apply FYM 10 kg, neem cake 1 kg, super phosphate 100 g and Furadon 10 g/sq.m during last ploughing. Form ridges and furrows at 45 cm apart.
Horticulture(Varieties)	Horticulture Specific Advisory
GUAVA	Guava- 1.Mealy bug- Spray Triozhophos 2 ml+ neem oil 5 ml/1litre of water; Release Cryptolaemus montrouzieri beetles @ 10/tree.
BRINJAL	Brinjal- 1.Shoot and fruit borer - Neem seed kernel extract (NSKE) 5 % (or) Spray Azadirachtin 1.0% EC (10000 ppm) 3.0 ml/lit of chemical starting from one month after planting at 15 days interval.
MANGO	Mango Tree- Fruit fly- Prepare bait with methyl eugenol 1% solution mixed with malathion @ 2.0 ml/l. Take 10 ml of this mixture per trap.
CHILLI	Chilli- Seed Treatment- Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g /kg of seeds treat with 24 hours before sowing.

#### CUDDALORE

##### General Advisory:

From extended range forecast normal rainfall, minimum temperature and below normal maximum temperature expected for the period of 29.05.2022 to 04.06.2022 over Tamilnadu.

**SMS Advisory:** Farmers are advised to irrigate crop based on the soil moisture.

##### Crop Specific Advisory:

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. Algae in paddy field reduces the growth of crops. To control apply, 2.0 kg of copper sulphate mix with sand. 3. Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray chlorantraniliprole 18.5% 150 ml/ha or flubendiamide 39.35 SC 50 g/ha during morning or evening hours.
SUGARCANE	1. Mealy bug and pokkah boeng infection identified in sugarcane crop. Mealy bug affect growth of plants and pokkah boeng cause death of young spindles of sugarcane crop. To control spray imidacloprid 17.8 SL 0.6 ml/l or carbendazim 1.0 g/l. 2. Due to prevailing weather condition changes of sugarcane early shoot borer infection. To control spray chlorantraniliprole 18.5 SC (0.5 ml/l) or fipronil 5 % SC (2 ml/l).
GROUNDNUT	To reduce the root rot infection in groundnut treat the seeds with carbendazim or thiram @ 2.0 g/kg of seed 24 hours before sowing (or) Trichoderma viride @ 4.0 g/kg of seed and bacillus subtilis @ 10 g/kg seed.

##### Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
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BRINJAL	1. Prevailing weather is favorable for shoot and fruit borer incidence in brinjal. To control remove the affected terminal shoot showing boreholes. Install pheromone trap@ 5 nos./ac or spray azadirachtin 1.0% EC 3.0 ml/lit or emamectin benzoate 5 % SG 4.0g/10 liter. 2. Prevailing weather is favorable for root rot infestation in brinjal. To control spot drench with carbendazim 1.0 g/lit.
CHILLI	In chilli crop Thrips infestation observed in many place, to control treat the seed with imidacloprid 70 WS 12 g/kg of seed or thiamethoxam 30 FS 12 ml/kg. • Spray following one insecticides to control thrips imidacloprid 17.8 SL @ 3.0 ml/10 lit or dimethoate 30 EC @ 10ml/ 10 lit or emamectin benzoate 5 % SG @ 4.0 g/10 lit or fipronil 5 % SC @ 15 ml/ 10 lit or spinosad 45 % SC @ 3.2 ml/ 10 lit or spinetoram 11.7 SC @ 10 ml/ 10 lit or thiacloprid 21.7 SC @ 6.0 ml/ 10lit or acetamiprid 20 SP @ 2.0 g/10 lit.
CHILLI	Prevailing weather is favorable for root rot infestation in chilli. To control spot drench with carbendazim 1.0 g/lit.
COCONUT	1. Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. 2. Encourage build up of parasitoids (Encarsia sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. 3. In sever case, spray neem oil 10 ml/lit of water or spray azadirachtin 2.0 ml/lit of water with 1.0 ml of sticking agent.

## COIMBATORE

### Agro Advisory

Crop	Stage	Advisory
General		Light to moderate rainfall with thunder and lightning is expected in western zone districts. Based on the soil moisture content, irrigation may be given to the irrigated crops and apply crop residue mulch to reduce water loss through evaporation. To harvest the summer rains, summer ploughing may be done against the slop with inverting type of plough.
Rice	Sowing	This is the best time for sowing of Kuruvai rice nursery and hence farmers with adequate water facility can take up this sowing. Rainfall is expected. Hence, provide adequate drainage to recently sown nursery
Groundnut	Sowing	This is the right time for sowing of Chithirai pattam rainfed groundnut at Pollachi taluk of Coimbatore district. Field preparation followed by sowing may be done, since rain is anticipated. Gap filling may be done in recently sown groundnut by utilizing anticipated rainfall.
Sesamum	Harvest	Make suitable arrangement to facilitate air movement in the lodged sesame to avoid seed deterioration after getting good sunlight crop may be harvested and processed.
Banana		Since rainfall with wind more than 10 kmph is expected, propping may be done to banana crop to prevent lodging.
Grapes		Considering the prevailing weather, pruning may be done in monsoon Grapes at 2 buds level for Thompson variety and 4 buds level for other varieties.
Turmeric	Land preparation	By utilizing expected rainfall, planting of turmeric may be done after tuber treatment. This is the ideal condition for planting turmeric. Hence farmers are requested to take up planting. After planting farmers requested to use pre emergence herbicides to controlling weeds during non rainy days pendimethalin @ 3.3 lit / ha with 500 liters of wage

Coconut		Provide inward ring basin around Coconut and fruit tree crops to harvest summer rains in root zone.
Animal		Rainfall with thunderstorm is expected. Protect the animal properly. Safeguard the dry feed from rain and moisture. Since Wind speed of 10 -15 km is expected along with rainfall, provide adequate care to the animal sheds. Do not allow the animals to graze on newly grown grasses, due to the receipt of last week rain.

**SMS advisory**

Since Wind speed of 10 -15 km is expected along with rainfall, provide adequate care to the animal sheds.

**ERODE**

**Agro Advisory**

Crop	Stage	Advisory
General		Light to moderate rainfall with thunder and lightning is expected in western zone districts. Based on the soil moisture content, irrigation may be given to the irrigated crops and apply crop residue mulch to reduce water loss through evaporation. To harvest the summer rains, summer ploughing may be done against the slop with inverting type of plough.
Rice	Sowing	This is the best time for sowing of Kuruvai rice nursery and hence farmers with adequate water facility can take up this sowing. Rainfall is expected. Hence, provide adequate drainage to recently sown nursery
Sesamum	Harvest	Make suitable arrangement to facilitate air movement in the lodged sesame to avoid seed deterioration after getting good sunlight crop may be harvested and processed.
Banana		Since rainfall with wind more than 10 kmph is expected, propping may be done to banana crop to prevent lodging.
Turmeric	Land preparation	By utilizing expected rainfall, planting of turmeric may be done after tuber treatment. This is the ideal condition for planting turmeric. Hence farmers are requested to take up planting. After planting farmers requested to use pre emergence herbicides to controlling weeds during non-rainy days pendimethalin @ 3.3 lit / ha with 500 liters of wage
Coconut		Provide inward ring basin around Coconut and fruit tree crops to harvest summer rains in root zone.
Animal		Rainfall with thunderstorm is expected. Protect the animal properly. Safeguard the dry feed from rain and moisture. Since Wind speed of 10 -15 km is expected along with rainfall, provide adequate care to the animal sheds. Do not allow the animals to graze on newly grown grasses, due to the receipt of last week rain.

**SMS advisory**

Since Wind speed of 10 -15 km is expected along with rainfall, provide adequate care to the animal sheds.

**TIRUPPUR**

**Agro advisory**

Crop	Stage	Advisory
General		Light to moderate rainfall with thunder and lightning is expected in western zone districts.

		Based on the soil moisture content, irrigation may be given to the irrigated crops and apply crop residue mulch to reduce water loss through evaporation. To harvest the summer rains, summer ploughing may be done against the slop with inverting type of plough.
Sesamum	Harvest	Make suitable arrangement to facilitate air movement in the lodged sesame to avoid seed deterioration after getting good sunlight crop may be harvested and processed.
Banana		Since rainfall with wind more than 10 kmph is expected, propping may be done to banana crop to prevent lodging.
Coconut		Provide inward ring basin around Coconut and fruit tree crops to harvest summer rains in root zone.
Animal		Rainfall with thunderstorm is expected. Protect the animal properly. Safeguard the dry feed from rain and moisture. Since Wind speed of 10 -15 km is expected along with rainfall, provide adequate care to the animal sheds. Do not allow the animals to graze on newly grown grasses, due to the receipt of last week rain.

#### SMS advisory

Since Wind speed of 10 -15 km is expected along with rainfall, provide adequate care to the animal sheds.

### ARIYALUR, KARUR, NAGAPATTINAM, PERAMBALUR, THANJAVUR AND TIRUVARUR

#### Agro Advisory

Crop	Stage	Advisory
Rice		Rice varieties ADT 36, ADT 43, ADT 45 and ADT 47 are suitable for kuruvai season.
		The seeds should be treated with carbendazim (2 g/kg of seeds) or Pseudomonas (10 g/kg of seeds) before sowing.

Pulses		Since light rainfall forecasted for the coming days, postponed the pesticide application to the pulse crops.
Livestock	Goat	Sheep and goats should be vaccinated against sheep pox.

#### SMS advisory

Rice varieties ADT 36, ADT 43, ADT 45 and ADT 47 are suitable for kuruvai season.

## DINDIGUL

### General Advisory:

Extended range Forecast for next week (27th May – 2nd June 2022): Rainfall: As per extended range predictions, there is possibility of slightly below normal to near normal rainfall likely during the subsequent week. 27 May to 2 June 2022 Maximum Temperature: Maximum temperatures is likely to be generally near normal to slightly below normal and are likely to be in the range 26°C to 34°C over the plains of the district during next week. 27 May to 2 June 2022. Minimum Temperature: Minimum temperatures are likely to be generally near normal and are likely to be in the range 18°C to 24°C over the district during next week. 27 May to 2 June 2022. THUNDERSTORM WARNING: Thunderstorms with lightning are likely to occur at isolated places over Tamilnadu on 30 April & 1 May 2022. Farmers are advised to take precautionary measures while grazing/herding the sheep, goat, cow on agriculture land for manuring purpose. Do not allow the animals to graze outside, standing near the trees or electric poles. Provide safe shelter for your livestock. . To safeguard your animals from lightning and thunderstorm, remove the metal bells tied to the necks of animals.

### SMS Advisory:

Chances of light rain on 25 May & Moderate rain during 27, 28, 29 May. Max temp-38°C & Min temp - 26°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from W direction.

### Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
CITRUS	Fruit crop cultivating farmers are advised to utilize the current weather for planting Citrus. The crop can be cultivated in both Tropical and subtropical climates. It can be grown up to 1000 m above MSL. Deep well-drained loamy soils are best suited for the cultivation. The planting is done from June to September. Healthy seedlings can be planted at 5 to 6 metre spacing in 75cm x 75cm x 75cm pits. Irrigate copiously after planting. Water stagnation should be avoided.
SORGHUM (JOWAR/GREATMILLET)	Average and well-distributed rainfall of 250-300 mm is optimum for rainfed sorghum. The seed requirement is 15 kg/ha., Seed hardening ensures high germination. The seeds can be sown after being pre-soaked in 20gms of potassium di-hydrogen phosphate solution for 6 hours and then dried back to their original moisture content in shade.

### Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Good care to pregnant animals and management practices will give good calf and also high milk yield during the successive lactation. Extra concentrate mix of 1¼ to 1¾ kg should be provided for a pregnant animal as pregnancy allowance. Feed good quality leguminous fodder. The animal should not be, either lean or fat   condition. Provide clean drinking water to protect from thermal stress. Avoid slippery floors in cowsheds. Feed 1 kg extra concentrates during the last 8 weeks of gestation. Also, give calcium supplements to the pregnant cow.

### Others (Soil / Land Preparation) Specific Advisory:

Others (Soil /Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Since some amount of rainfall is received recently, and rainfall is expected for the coming days, farmers can plan for ploughing and land preparation activities. Farmers are advised to postpone the spraying activities for a short while and to take necessary steps for rain water harvesting.

## MADURAI

### General Advisory:

Extended range Forecast for next week (27th May – 2nd June 2022): Rainfall: As per extended range predictions, there is possibility of slightly below normal to near normal rainfall likely during the subsequent week. 27 May to 2 June 2022 Maximum Temperature: Maximum temperatures is likely to be generally near normal to slightly below normal and are likely to be in the range 26°C to 34°C over the plains of the district during next week. 27 May to 2 June 2022. Minimum Temperature: Minimum temperatures are likely to be generally near normal and are likely to be in the range 18°C to 24°C over the district during next week. 27 May to 2 June 2022.

THUNDERSTORM WARNING: Thunderstorms with lightning are likely to occur at isolated places over Tamilnadu on 30 April & 1 May 2022. Farmers are advised to take precautionary measures while grazing/herding the sheep, goat, cow on agriculture land for manuring purpose. Do not allow the animals to graze outside, standing near the trees or electric poles. Provide safe shelter for your livestock. . To safeguard your animals from lightning and thunderstorm, remove the metal bells tied to the necks of animals.

### SMS Advisory:

Chances of light rain on 25 May & Moderate rain during 27, 28, 29 May. Max temp -38°C & Min temp - 26°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from W direction.

### Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	Due to the prevailing weather condition the incidence of Green leafhopper in Paddy. It affects the leaves from tip to downwards and becomes yellowing in colour, retarded vigorous and stunted growth, drying up of plant due to sucking up of the leaf. It can be controlled by spraying the solution of Pungam Oil @ 60ml + Iluppai Oil @ 60ml + Neem Oil @ 60ml + Sticky agent @ 10ml ( Khadi soap @ 10gms) with 10 litres of water, mix well and spray 2 times at 12 days interval. Also, fix light traps in the field to attract & destroy the insects.
Crop(Varieties)	Crop Specific Advisory
GROUNDNUT	Due to the prevailing weather condition, the incidence of Gram pod borer is expected in Groundnut. The larvae feed on the foliage and prefer flowers and buds, when tender leaf buds are eaten, symmetrical holes or cuttings can be seen upon the unfolding of leaflets. Install pheromone trap @ 5Nos./ha. Releasing of Trichogramma chilonis @ 1 lakh/ha, 40 days after sowing of groundnut can effectively check the pest. Or spray any one of the following insecticide Indoxacarb 14.5%SC @ 160ml /acre (0.5ml per litre) or Spinosad 45% SC @ 60ml per acre (0.5ml/litre) from flower bud formation at fortnight interval.

### Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
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COW	Good care to pregnant animals and management practices will give good calf and also high milk yield during the successive lactation. Extra concentrate mix of 1¼ to 1¾ kg should be provided for a pregnant animal as pregnancy allowance. Feed good quality leguminous fodder. The animal should not be, either lean or fat   condition. Provide clean drinking water to protect from thermal stress. Avoid slippery floors in cowsheds. Feed 1 kg extra concentrates during the last 8 weeks of gestation. Also, give calcium supplements to the pregnant cow.
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#### Others (Soil / Land Preparation) Specific Advisory:

Others (Soil /Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Since some amount of rainfall is received recently, and rainfall is expected for the coming days, farmers can plan for ploughing and land preparation activities. Farmers are advised to postpone the spraying activities for a short while and to take necessary steps for rain water harvesting.

### PUDUKOTTAI

#### General Advisory:

Since light to moderate rainfall expected in the coming days, irrigation can be postponed.

#### SMS Advisory:

Since light to moderate rainfall expected in the coming days, ploughing can be done to control weeds and larva of insects.

#### Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
JASMINE	In jasmine crop of bud worm pest incidence, spray Thiochlorid 240SC @1 ml/litre is advised.
GROUNDNUT	To reduce the root rot infection in groundnut treat the seeds with carbendazim or thiram @ 2.0 g/kg of seed 24 hours before sowing (or) Trichoderma viride @ 4.0 g/kg of seed and Pseudomonas fluorescens @ 10 g/kg seed.

#### Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	In tomato to control leaf blight disease spraying of hexaconazole 5%SL@1ml/ litre is recommended.

#### Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory

COW	The rainy season favors pneumonia in calves and kids and prevent them by avoiding expose to rain water.
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## RAMANATHAPURAM

### General Advisory:

From extended range forecast, Normal rainfall, Below Normal maximum temperature and Normal minimum temperature expected for the period of May 29 to June 4 over Tamil Nadu.

### SMS Advisory:

From extended range forecast, Normal rainfall, Below Normal maximum temperature and Normal minimum temperature expected for the period of May 29 to June 4 over Tamil Nadu.

### Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
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.
COCONUT	Due to the prevailing weather condition incidence of rogose whitefly is expected in coconut. High temperature, prolonged dry spell and low relative humidity is favourable for rugose whitefly multiplication. The damage symptoms are presence of heavy white waxy material and sticky honeydew on the under surface of leaves. Black sooty mold formation on the coconut leaves. If symptoms are observed in coconut tree Spray a jet of water forcibly on the under surface of the palm. Setting up of yellow sticky traps smeared with castor oil to a height of 5.5' @ 10/acre. Spraying with boiled maida flour paste @25g/liter of water. Spraying of 5 ml of neem oil in one liter of water along with 1 ml of sandovit.

## SIVAGANGAI

### General Advisory:

Extended range Forecast for next week (27th May – 2nd June 2022): Rainfall: As per extended range predictions, there is possibility of slightly below normal to near normal rainfall likely during the subsequent week. 27 May to 2 June 2022 Maximum Temperature: Maximum temperatures is likely to be generally near normal to slightly below normal and are likely to be in the range 26°C to 34°C over the plains of the district during next week. 27 May to 2 June 2022. Minimum Temperature: Minimum temperatures are likely to be generally near normal and are likely to be in the range 18°C to 24°C over the district during next week. 27 May to 2 June 2022. THUNDERSTORM WARNING: Thunderstorms with lightning are likely to occur at isolated places over Tamilnadu on 30 April & 1 May 2022. Farmers are advised to take precautionary measures while grazing/herding the sheep, goat, cow on agriculture land for manuring purpose. Do not allow the animals to graze outside, standing near the trees or electric poles. Provide safe shelter for your livestock. . To safeguard your animals from lightning and thunderstorm, remove the metal bells tied to the necks of animals.

### SMS Advisory:

Chances of light rain on 28 & 29 May. Max temp-38°C & Min temp -26°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from W direction.

**Horticulture Specific Advisory:**

Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	To get an increase in yield in Tomato, top dressing of Urea @ 325kg per hectare and MOP @ 250 kg per hectare in three equal splits on 30th, 45th and 60th days after planting, is recommended.
BANANA	Due to the prevailing weather condition the incidence of Fusarium wilt disease is noticed in Banana. Externally the first obvious signs of disease in most varieties are wilting and a light yellow colouring of the lower leaves, most prominent around the margins. They eventually turn into bright yellow colour with dead leaf margins. To control follow the crop rotation and apply 2kg of Farm yard manure + Trichoderma viride @ 40gm + Pseudomonas @ 40gm + 200gm Neem Cake may be mixed thoroughly and apply ½ feet away from the root portion of sucker.

**Live Stock Specific Advisory:**

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Good care to pregnant animals and management practices will give good calf and also high milk yield during the successive lactation. Extra concentrate mix of 1¼ to 1¾ kg should be provided for a pregnant animal as pregnancy allowance. Feed good quality leguminous fodder. The animal should not be, either lean or fat   condition. Provide clean drinking water to protect from thermal stress. Avoid slippery floors in cowsheds. Feed 1 kg extra concentrates during the last 8 weeks of gestation. Also, give calcium supplements to the pregnant cow.

**Others (Soil / Land Preparation) Specific Advisory:**

Others (Soil /Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Since some amount of rainfall is received recently, and rainfall is expected for the coming days, farmers can plan for ploughing and land preparation activities. Farmers are advised to postpone the spraying activities for a short while and to take necessary steps for rain water harvesting.

**THENI****General Advisory:**

<p>Extended range Forecast for next week (27th May – 2nd June 2022): Rainfall: As per extended range predictions, there is possibility of slightly below normal to near normal rainfall likely during the subsequent week. 27 May to 2 June 2022 Maximum Temperature: Maximum temperatures is likely to be generally near normal to slightly below normal and are likely to be in the range 26°C to 34°C over the plains of the district during next week. 27 May to 2 June 2022. Minimum Temperature: Minimum temperatures are likely to be generally near normal and are likely to be in the range 18°C to 24°C over the district during next week. 27 May to 2 June 2022.</p> <p>THUNDERSTORM WARNING: Thunderstorms with lightning are likely to occur at isolated places over Tamilnadu on 30 April &amp; 1 May 2022. Farmers are advised to take precautionary measures while grazing/herding the sheep, goat, cow on agriculture land for manuring purpose. Do not allow the animals to graze outside, standing near the trees or electric poles. Provide safe shelter for your livestock. . To safeguard your animals from lightning and thunderstorm, remove the metal bells tied to the necks of animals.</p>
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**SMS Advisory:**

Chances of light rain during 25, 26 & 29 May. Max temp -38°C & Min temp -26°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from W direction.

**Crop Specific Advisory:**

Crop(Varieties)	Crop Specific Advisory
JASMINE	Jasmine cultivating farmers are advised to apply manure and fertilizers in Jasmine fields. NPK @ 60:120:120 gm and 470g of IFCO complex, 30gm of Urea/plant/year is applied along with 10 kg FYM is recommended for a plant.

**Horticulture Specific Advisory:**

Horticulture(Varieties)	Horticulture Specific Advisory
GRAPES	Due to the prevailing weather condition the incense of Bird's Eye Spot (Anthracnos) disease may expected in Grapes. The disease appears first as dark red spots on the berry. Later, the fungus also attacks shoots, tendrils, petioles, leaf veins, and fruit stems. To manage the disease, remove the infected twigs from vines and spray 20gm of Copper oxychloride per 10 litres of water.

**Live Stock Specific Advisory:**

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Good care to pregnant animals and management practices will give good calf and also high milk yield during the successive lactation. Extra concentrate mix of 1¼ to 1¾ kg should be provided for a pregnant animal as pregnancy allowance. Feed good quality leguminous fodder. The animal should not be, either lean or fat   condition. Provide clean drinking water to protect from thermal stress. Avoid slippery floors in cowsheds. Feed 1 kg extra concentrates during the last 8 weeks of gestation. Also, give calcium supplements to the pregnant cow.

**Others (Soil / Land Preparation) Specific Advisory:**

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Since some amount of rainfall is received recently, and rainfall is expected for the coming days, farmers can plan for ploughing and land preparation activities. Farmers are advised to postpone the spraying activities for a short while and to take necessary steps for rain water harvesting.

## VIRUDHUNAGAR

### Agromet Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Irrigated crops	Water management	Very light to light rainfall is predicted for next five days. However, irrigation may be planned based on the regular monitoring of weather forecast as south west monsoon get advance.
Irrigated condition	Pre sowing operation	As the south west monsoon get advance, farmers are advised to plan for sowing.
Agricultural/ Horticultural crops	Storage	Harvested agricultural and horticultural produce may be stored under protective shelter.
	Spraying/ Fertilizer	Based on the local weather, spraying of chemicals and fertilizer application may be done.
Dry land		Farmers are requested to practice the summer ploughing.
Irrigated Paddy	Tillering stage	Summer rainfall varies with location. So, farmers are requested to provide drainage channel if rainfall occurrence is noticed. Based on the local weather, fertilizer application may be planned.
Irrigated Groundnut	Vegetative stage	Based on the local weather irrigation may be planned and also proper drainage channel may be provided.
Sapota	Fruiting stage	Prevailing weather is conducive for Leaf Spot diseases The disease is characterized by numerous, small, pinkish to reddish brown spots with whitish centers in the leaf. Control: Spraying of <i>Mancozeb</i> (0.2%) 2 times at 15 days interval.
Brinjal	Fruit stage	Brinjal Shoot and Fruit Borer: Spraying <i>Emamectin Benzoate</i> 5 SG (Soluble granules) @ 4g/10 litre of water.

### SMS:

Rain: 25-29.05-3,2,2,2&3 mm. Irrigation, spraying may be given for next five days. As the south west monsoon get advance, irrigated farmers are advised to plan for sowing.

Tamil Nadu		
Next five days	Weather warning	Thunderstorm with light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area on Day 1 (25.05.2022). Light to moderate rain is likely to occur at a few places with isolated thunderstorm over Tamilnadu, Puducherry and Karaikal area on Day 2 (26.05.2022). Light to moderate rain is likely to occur at a few places with isolated thunderstorm over Tamilnadu, Puducherry and Karaikal area on Day 3 (27.05.2022). Heavy rain is likely to occur at one or two places over Tirupattur, Vellore, Ranipet, Tiruvannamalai, Kancheepuram and Tiruvallur districts of Tamilnadu on Day 3 (27.05.2022). Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area on Day 4 (28.05.2022) & Day 5 (29.05.2022).
	Heavy Rainfall Warning:	Day 3(27.05.2022): Heavy rain is likely to occur at one or two places over Tirupattur, Vellore, Ranipet, Tiruvannamalai, Kancheepuram and Tiruvallur districts of Tamilnadu.
	THUNDERSTORM WARNING:	Day 1(25.05.2022) to Day 3(27.05.2022): Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area.

## TIRUNELVELI

### Agro Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Irrigated crops	Water management	Light rainfall is predicted for next five days. Postpone the irrigation. However, irrigation may be planned based on the regular monitoring of weather forecast as south west monsoon get advance. Proper drainage channel may be provided to avoid crop lodging.
Agricultural/ Horticultural crops	Storage	Harvested agricultural and horticultural produce may be stored under protective shelter.
	Spraying/ Fertilizer	Spraying of chemicals may be avoided for the next five days.
Irrigated condition	Pre sowing operation	As the south west monsoon get advance, farmers are advised to plan for sowing.
Dry land		Farmers are requested to practice the summer ploughing based on the suitable soil moisture prevailing for ploughing.
Black gram	Harvest stage	As continuous rainfall is predicted, farmers are advised to go for machine harvest to harvest earlier.
Sorghum	Vegetative stage	Based on the local weather, fertilizer application may be practice. Postpone the irrigation and proper drainage facilities may be given.

### SMS:

Rain: 25-29.05-4,5,4,5&5 mm. Irrigation, Spraying may be avoided. Black gram- go for machine harvest to harvest earlier.

Tamil Nadu		
Next five days	Weather warning	Thunderstorm with light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area on Day 1 (25.05.2022). Light to moderate rain is likely to occur at a few places with isolated thunderstorm over Tamilnadu, Puducherry and Karaikal area on Day 2 (26.05.2022). Light to moderate rain is likely to occur at a few places with isolated thunderstorm over Tamilnadu, Puducherry and Karaikal area on Day 3 (27.05.2022). Heavy rain is likely to occur at one or two places over Tirupattur, Vellore, Ranipet, Tiruvannamalai, Kancheepuram and Tiruvallur districts of Tamilnadu on Day 3 (27.05.2022). Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area on Day 4 (28.05.2022) & Day 5 (29.05.2022).
	Heavy Rainfall Warning:	Day 3(27.05.2022): Heavy rain is likely to occur at one or two places over Tirupattur, Vellore, Ranipet, Tiruvannamalai, Kancheepuram and Tiruvallur districts of Tamilnadu.
	THUNDERSTORM WARNING:	Day 1(25.05.2022) to Day 3(27.05.2022): Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area.

## THOOTHUKUDI

### Agromet Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Irrigated crops	Water management	Very light rainfall is predicted on 25.05.2022. irrigation may be planned. However, irrigation may be planned based on the regular monitoring of weather forecast as south west monsoon get advance. Proper drainage channel may be provided to avoid crop lodging.
Agricultural/ Horticultural crops	storage	Harvested agricultural and horticultural produce may be stored under protective shelter.
	Spraying/ Fertilizer	Based on the local weather, spraying of chemicals and fertilizer application may be done.
Irrigated condition	Pre sowing operation	As the south west monsoon get advance, farmers are advised to plan for sowing.
Dry land		Farmers are requested to practice the summer ploughing based on the suitable soil moisture prevailing for ploughing.
Banana	All stages	Under prevailing weather condition Wilt disease noticed. Soil drenching of Carbendazim 0.1 per cent solution around the pseudostem at bimonthly intervals starting from five months after planting. Sudden downpour may damage the crop. Hence are requested to practise propping to reduce the crop damage.

#### SMS:

Rain: 25.05-2mm. Irrigate the crop and Spraying may be given. As the south west monsoon get advance, irrigated farmers are advised to plan for sowing.

Tamil Nadu		
Next five days	Weather warning	Thunderstorm with light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area on Day 1 (25.05.2022). Light to moderate rain is likely to occur at a few places with isolated thunderstorm over Tamilnadu, Puducherry and Karaikal area on Day 2 (26.05.2022). Light to moderate rain is likely to occur at a few places with isolated thunderstorm over Tamilnadu, Puducherry and Karaikal area on Day 3 (27.05.2022). Heavy rain is likely to occur at one or two places over Tirupattur, Vellore, Ranipet, Tiruvannamalai, Kancheepuram and Tiruvallur districts of Tamilnadu on Day 3 (27.05.2022). Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area on Day 4 (28.05.2022) & Day 5 (29.05.2022).
	Heavy Rainfall Warning:	Day 3(27.05.2022): Heavy rain is likely to occur at one or two places over Tirupattur, Vellore, Ranipet, Tiruvannamalai, Kancheepuram and Tiruvallur districts of Tamilnadu.
	THUNDERSTORM WARNING:	Day 1(25.05.2022) to Day 3(27.05.2022): Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area.

## SALEM

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

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Salem:		
Jasmine	Vegetative	Due to prevailing weather alternaria leaf spot incidence may occur in jasmine. To control, spray foliar application of mancozeb @ 2.5 g/l at monthly interval.
Coconut	General	The coconut rugose spiraling whitefly Can be managed by Release of Encarsia parasitoids @ 100 parasitoids /ac (10 leafbits/ac) Installation of yellow sticky traps (5 ft. x 1.5 ft.) smeared with castor oil @ 5/ ac Release of predator, Chrysoperla eggs @ 500/ac in young palms Pesticide holiday' must be declared to conserve the natural enemies fauna.
Paddy	Vegetative	In paddy for the management of brown planthopper Spray Buprofezin 25% SC 800 ml/ha or Chlorantraniliprole 18.5% SC 150 g/ha or Fipronil 5% SC 1000-1500 ml/ha Or Imidacloprid 17.8 SL 100-125 ml/ha.
Vegetables	General	Application of micro nutrients to vegetable crops may give good results. Farmers are advised to apply micronutrients to the vegetable crops through fertigation or foliar spray during the flowering to fruiting stage.
Paddy	Vegetative	Due to prevailing weather condition leaf folder infestation identified in paddy crop. To manage the leaf folder Release
Livestock	Sheep and Goat	Farmers are advised to apply Butox solution (2 ml in 1 litre water) externally to remove ecto - parasites in sheep and goats.
Cotton	Vegetative	Due to prevailing weather the leaf blight incidence may occur in cotton. To control leaf blight in cotton, Spray mancozeb 2 kg/ha immediately after the symptom appearance and 2-3 times once in 15 days.
Banana	Vegetative	Due to prevailing weather condition favourable for leaf spot infection in banana crop. To control spray carbendazim 1g/l or propiconazole 1ml/l or mancozeb 2.5 g/l with sticking agent @ 1 ml / lit at 10-15 days interval.
Livestock	General	Considering the temperature, artificial insemination to animals can be done in morning before 11am after cooling the animals by bathing.
Livestock	General	Flea bite in livestock leads to allerg reaction all over body. treatment for this apply mixer of betel vine leaves ,salt, pepper paste below the tonque.

## NAMAKKAL

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

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	As the wind speed will be high, the poultry farmers having raised platform sheds should be careful in avoiding feed wastage. High wind speed is expected during next two ensuing months. Addition of vegetable oil in small quantities and using of side hangings will prevent wastage of feed particularly loss of valuable supplements like vitamins.
		Ethno Veterinary Herbal Research Centre for Poultry, Namakkal Due to prevailing weather condition favourable for ranikhet 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 Ranikhet 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

		<p>that to reduce the incidence of Ranikhet Disease use ethno veterinary medicine as follows</p> <p>Required Ingredients for 10 desi birds</p> <p>Cumin seeds (Seeragam ) – 10 grams</p> <p>Black pepper (Milagu) - 5 grams</p> <p>Turmeric powder - 5 grams</p> <p>Small onion - 5 numbers</p> <p>Garlic - 5 cloves</p> <p>Phyllanthus amarus (Keelanelli) – 50 grams</p> <p>Procedure:</p> <p>Grind all the ingredients and make slimy paste into small balls.</p> <p>The balls may be giving 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, Namakkal :		
Water melon	Vegetative stage	<p>Thrips management in water melon</p> <p>Due to the prevailing change in climate, thrips incidence was noticed in water melon. To control this foliar spraying of neem oil 3 % and setting up of blue sticky trap @ 5 numbers / acre may be followed. If the incidence is more than Economic Threshold level, then foliar spraying of thiamethoxam @ 2 gram / litre of water mixed in 200 litre / acre may be adopted for control.</p>
Cotton	Vegetative stage	Farmers are requested to give foliar spraying with cotton plus @ 2.5 kg in 200 litre of water twice at flowering and boll formation stage.
Banana	Vegetative 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 in forthcoming days.

## DHARMAPURI

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

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Dharmapuri :		
Crops	General	Very light to moderate rainfall is expected during next five days. Postpone the irrigation. Based on the local weather and crop requirement irrigation may be provided. Agriculture and horticulture Harvested produce may be stored under protective shelter. Wind speed is predicted to be high farmers are advised to go for plant protection measures and agricultural and horticultural crops field.
Brinjal	Harvesting	Brinjal crop of fruit borer incidence, control measures spray Flubendiamide 20 WDG @ 7.5 g/10 litre (or) Dimethoate 30 % EC @ 7.0 ml/10 litre.
Tapioca	Vegetative	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/ litre of water, Fish oil resin soap @ 2.0 ml/ litre of water. Any one of the following insecticide can be sprayed on rotation basis as and required Thiamethoxam 25 WG @ 0.5 gram /litre of water, Flonicamid 50 WG @ 0.3 gram/ litre of water ,Spirotetramat 150 OD @ 1.25 ml / litter of water.
Goat		Prevailing weather, Prevent mortality of small ruminant ET vaccine to be administrated.

## KRISHNAGIRI

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

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	As the wind speed will be high, the poultry farmers having raised platform sheds should be careful in avoiding feed wastage. High wind speed is expected during next two ensuing months. Addition of vegetable oil in small quantities and using of side hangings will prevent wastage of feed particularly loss of valuable supplements like vitamins.
		<p><u>Ethno Veterinary Herbal Research Centre for Poultry, Namakkal</u>            Due to prevailing weather condition favourable for ranikhet 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 Ranikhet Disease on 7<sup>th</sup> day with F1 strain (Eye drop), on 28<sup>th</sup> day with Lasota (Eye drop) and on 56<sup>th</sup> day with RDVK vaccine. Along with that to reduce the incidence of Ranikhet Disease use ethno veterinary medicine as follows</p> <p>Required Ingredients for 10 desi birds            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 giving 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, Namakkal :		
Water melon	Vegetative stage	<p><u>Thrips management in water melon</u>            Due to the prevailing change in climate, thrips incidence was noticed in water melon. To control this foliar spraying of neem oil 3 % and setting up of blue sticky trap @ 5 numbers / acre may be followed. If the incidence is more than Economic Threshold level, then foliar spraying of thiamethoxam @ 2 gram / litre of water mixed in 200 litre / acre may be adopted for control.</p>
Cotton	Vegetative stage	Farmers are requested to give foliar spraying with cotton plus @ 2.5 kg in 200 litre of water twice at flowering and boll formation stage.
Banana	Vegetative 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 in forthcoming days.

## KANYAKUMARI

### AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
			There are possibilities of rainfall during the fourth coming five days. Maximum temperature will be around 32°C and minimum temperature will be around 25°C. Cloudy condition may prevail. The relative humidity will be 50 to 85 %. Wind speed may be 10 km / hr in West direction.
1.	Banana	Bunching stage.	Spray Mancozeb @ 2g/lit of water to control the finger rot disease
2.	Coconut	Nut bearing stage.	For nut bearing coconut, root feeding of TNAU coconut tonic @ 200 ml per tree.
3.	Jasmine	Flowering stage	Soil drenching with Trifloxystrobin + Tebuconazole @ 0.75 g/litre or Difenoconazole @ 0.5g/l to control the root rot.
4.	Pepper	Maturity stages	The spike shedding can be reduced by foliar spray of Diammonium Phosphate 1.0% four times viz., before flower initiation (May), during new leaves and flower emergence (June), before spike initiation (July) and pinhead stage of berries (August).
5.	Horticultural crops.	All stages	Basins can be formed and coir compost should be applied to conserve moisture in banana, pepper, clove, nutmeg, cinnamon and coconut.

### SMS Advisory

The weeding in perennial tree crops have to carried out by scythe.

## KARAIKAL

### Weather based Agro-Advisories.

To prevent early shedding of buds and squares in cotton spray 40 ppm NAA at 60 and 90 DAS on the crops. Nipping may be done at 15<sup>th</sup> node for variety and 20<sup>th</sup> node for hybrid cotton to induce sympodial branches development.

To control mealy bug in cotton spray neem oil 2 % or NSKE 5 % or Buprofezin 25 SC @ 2 ml/ litre.

**SMS:** Light rain is expected at many places on 26<sup>th</sup> May. Hence, farmers may postpone irrigation.

## PUDUCHERRY

### Weather based Agro-Advisories.

Crop	Stage/Particulars	Agro Advisory
Rice	Tillering stage	To manage rice stem borer, release parasitoid <i>Trichogramma japonicum</i> @1,00,000/ha at active tillering stage (37, 44 and 51 DAP) or Azadirachtin 0.03% @ 4 ml/l or cartaphydrochloride 50% SP @ 2g/l or flubendiamide 20 WG @ 0.25 g/l or thiamethoxam 25 WG @ 0.2 g/l.
		To manage rice leaf folder release <i>Trichogramma chilonis</i> 5cc (1,00,000/ha) at 37, 44, 51 day after planting. Avoid excess application of nitrogen fertilizers.



		Setup light trap to attract adult moths. Setup T- shaped bird perches for predatory birds to control these pests. Apply cartaphydrochloride 50% SP @ 2g/l or flubendiamide 20 WG @ 0.25 g/l or thiamethoxam 25 WG @ 0.2 g/l.
Coconut	Fruiting stage	To control spiraling whitefly in coconut, spray water forcibly and set up yellow sticky trap @ 8 numbers /ac. In severe cases, spray neem oil 0.5 %+ tween 80 (0.005%).
Gourds	Flowering stage	Spray ethrel @ 100 ppm in snake gourd and bitter gourd and @ 250 ppm in ribbed gourd, four times commencing from 15 <sup>th</sup> day after sowing at weekly intervals to increase female flowers.

**SMS:** Light rain is expected at many places on 27<sup>th</sup> May. Hence, farmers may postpone irrigation.

### **BLOCK LEVEL FORECAST**

#### **CHENNAI DISTRICT**

#### **CHENNAI BLOCK**

#### General Advisory:

From extended range forecast normal rainfall, minimum temperature and below normal maximum temperature expected for the period of 29.05.2022 to 04.06.2022 over Tamil Nadu.

#### SMS Advisory:

(27.05.2022): Heavy rain is likely to occur at one or two places over Tirupattur, Vellore, Ranipet, Tiruvannamalai, Kancheepuram and Tiruvallur districts of Tamilnadu

#### Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	1. During summer season due to heat load there might be a temporary loss of appetite in dairy cattle. To prevent the decline of milk production due to lower feed intake the animals may be provided with succulent high moisture (70-80%) containing green fodder. 2. Provision of high protein concentrate feed to dairy cattle during noon hours in summer season adds to the heat load of heat generated during digestion. To prevent this dairy cattle must be provided with protein rich concentrate feed during night hours so that there will be less heat load and at the same time the animals will get the required amount of protein
PIG	5. White pigs meant for fattening purpose which are fed with high fat containing swill feed would suffer heat load during digestion, during summer season. Hence to prevent this fat containing swill feed should be fed during late evening hours
RABBIT	6. Rabbitaries with asbestos/metal roofs will experience more heat during summer, hence covering the roof with coconut leaves or gunny bags and splashing water over them will reduce the inner micro climate of rabbit shed.

#### Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
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Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	7. Provision of cool wholesome drinking water to poultry during summer is essential.

### TIRUVANNAMALAI DISTRICT

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

#### General Advisory:

As per the IMD extended range forecast (ERF), Tamil Nadu and Puducherry may receive normal rainfall and below normal temperature for the period of 29.05.2022 to 04.06.2022. Light to moderate rainfall may be expected on forthcoming days. So, farmers are advised to avoid fertilizer application, insecticides or pesticides spray and weeding.

#### SMS Advisory:

(27.05.2022): Heavy rain is likely to occur at one or two places over Tirupattur, Vellore, Ranipet, Tiruvannamalai, Kancheepuram and Tiruvallur districts of Tamilnadu.

#### Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	Since rain is anticipated, provide drainage for the transplanted rice. In the paddy planting field to apply Beautachlor for weed control 2.5 litre+25 Kg sand per hectare on the third day. Raising of green manure crops like daincha, sunhump and kolinji can be done and incorporate before flowering. Algae in rice field reduces the growth of crops. To control apply 2.0 kg of copper sulphate mix with sand.
	SUGARCANE Detrashing and propping may be done in six months old sugarcane.

#### Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Apply coconut husks with convex surface facing upwards (100 Nos.) or dried coconut leaves (15 Nos) or coir pith up to a height of 10 cm in the basin of 1.8 m radius around the palms as mulch for soil moisture conservation particularly during summer season.
BANANA	Prop up 5 month old banana trees.

#### Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory

COW	Do not permit the animals to graze on the newly emerging grasses against bacterial diseases. High wind speed of >15 km/hour. Check the stability of the shed.
GOAT	Provide deworming medicine and antidiarrhea medicine in consultation with veterinarian.

### VILLUPURAM DISTRICT

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

#### General Advisory:

From extended range forecast normal rainfall, minimum temperature and below normal maximum temperature expected for the period of 29.05.2022 to 04.06.2022 over Tamil Nadu.

#### SMS Advisory:

(27.05.2022): Heavy rain is likely to occur at one or two places over Tirupattur, Vellore, Ranipet, Tiruvannamalai, Kancheepuram and Tiruvallur districts of Tamilnadu.

#### Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	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. Alage in paddyfield reduces the growth of crops. To control apply, 2.0 kg of copper sulphate mix with sand.3. Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray chlorantraniliprole 18.5% 150 ml/ha or flubendiamide 39.35 SC 50 g/ha during morning or evening hours
SUGARCANE	Mealy bug and pokkah boeng infection identified in sugarcane crop. Mealy bug affect growth of plants and pokkah boeng cause death of young spindles of sugarcane crop. To control spray imidacloprid 17.8 SL 0.6 ml/l or carbendazim 1.0 g/l.2. Due to prevailing weather condition changes of sugarcane early shoot borer infection. To control spray chlorantraniliprole 18.5 SC (0.5 ml/l) or fipronil 5 % SC (2 ml/l).

#### Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
BRINJAL	To reduce the root rot infection in groundnut treat the seeds with carbendazim or thiram @2.0 g/kg of seed 24 hours before sowing (or) Trichoderma viride @4.0 g/kg of seed and Pseudomonas fluorescens @ 10 g/kg seed
COCONUT	Installation of yellow sticky traps (25 Nos./ ha) on the palm trunk to trap the adult whiteflies.2. Encourage buildup of parasitoids (Encarsia sp.) and reintroduce parasitized pupae at emerging zones of whitefly outbreak.3. In severe case, spray neem oil 20 ml/l of water or spray Azadirachtin 2.0 ml/l of water with 1.0 ml

	ofsticking agent
CHILLI	prevailing weather is favorable for root rot infestation in chilli. To control spoldrench with carbendazim 1.0 g/lit.



