



तमिलनाडु के लिए राज्य स्तरीय समग्र कृषि-मौसम परामर्श
बुलेटिन

**State Composite Agro-meteorological Advisory
Bulletin for Tamil Nadu and Puducherry
Bulletin No. 067/2023**

For the period 0830 IST, 22nd August 2023 to
0830 IST, 27th August 2023

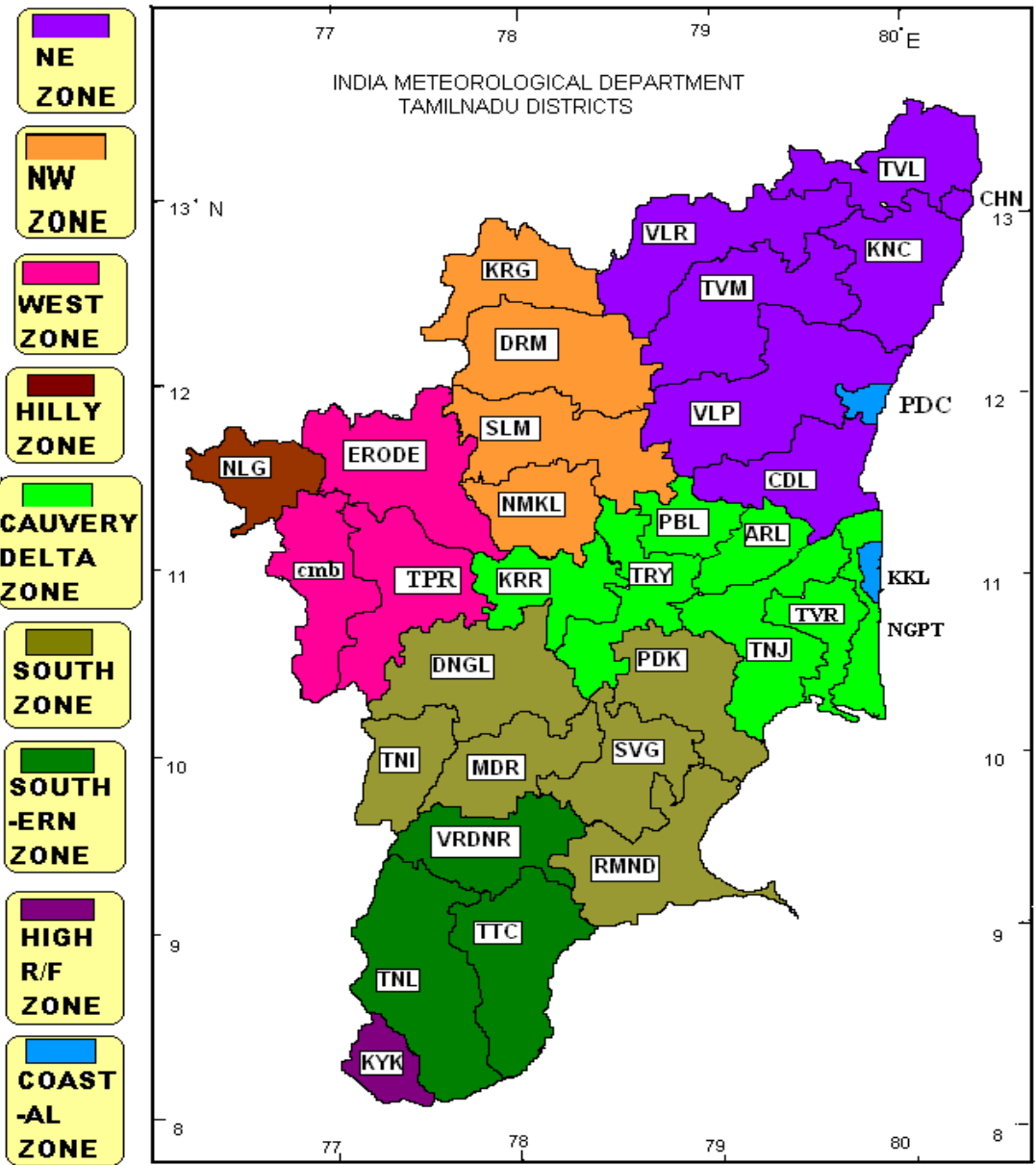
Issued on Tuesday, 22nd August 2023

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 18.08.23 to 21.08.23 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range **31°C – 40°C** prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range **18°C – 22°C** during the period.

Minimum temperature of range **22°C - 29°C** prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range **10°C - 12°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)	18.08.23, 19.08.23, 20.08.23 & 21.08.23	--
Dry	--	18.08.23, 19.08.23, 20.08.23 & 21.08.23

Chief Amounts of Rainfall (in cms):-

18.08.23 : Adayar Eco Park (dist Chennai) 7, Adayar (dist Chennai), Kodambakkam (dist Chennai) 6 each, DGP office (dist Chennai), Poonamalle ARG (dist Tiruvallur), Anna University ARG (dist Chennai), Maduravoyal (dist Chennai) , Mugalvakkam (dist Chennai), Royapuram (dist Chennai), YMCA Nandanam ARG ((dist Chennai) 5 each, Tambaram (dist Chengalpattu), Alandur (dist Chennai), Chennai Airport (dist Chennai), KVK Kattukuppam ARG (dist Kancheepuram), Poonamallee (dist Tiruvallur), Thiruvottiyur (dist Chennai), Perungudi (dist Chennai), West Tambaram ARG (dist Chengalpattu), Meenambakkam ISRO AWS (dist Chennai), ACS Medical College ARG (dist Kancheepuram) 4 each, Thirupporur (dist Chengalpattu), Kelambakkam (dist Chengalpattu), Koratur (dist Tiruvallur), Chennai Collectorate Building (dist Chennai), Sriperumbudur (dist Kancheepuram), Chennai Nungambakkam (dist Chennai), Anna Nagar (dist Chennai), Tondaiyarpur (dist Chennai), Manali (dist Chennai), Ice House (dist Chennai), MGR Nagar (dist Chennai) 3 each, Kolathur (dist Chennai), Madhavaram (dist Chennai), TVK Nagar (dist Chennai), Mahabalipuram (dist Chengalpattu), Cd Hospital Tondaiyarpur (dist Chennai), Perambur (dist Chennai), Tiruvallur (dist Tiruvallur), Anna University (dist Chennai), Avadi (dist Tiruvallur), Satyabama University ARG (dist Chengalpattu), Uthandai (dist Chennai), Sholinganallur (dist Chennai), MRC Nagar (dist Chennai), NIOT Pallikaranai (dist Chennai) 2 each, Chembarambakkam ARG (dist Tiruvallur), Kancheepuram (dist Kancheepuram), Chembarabakkam (dist Kancheepuram), Red Hills (dist Tiruvallur),

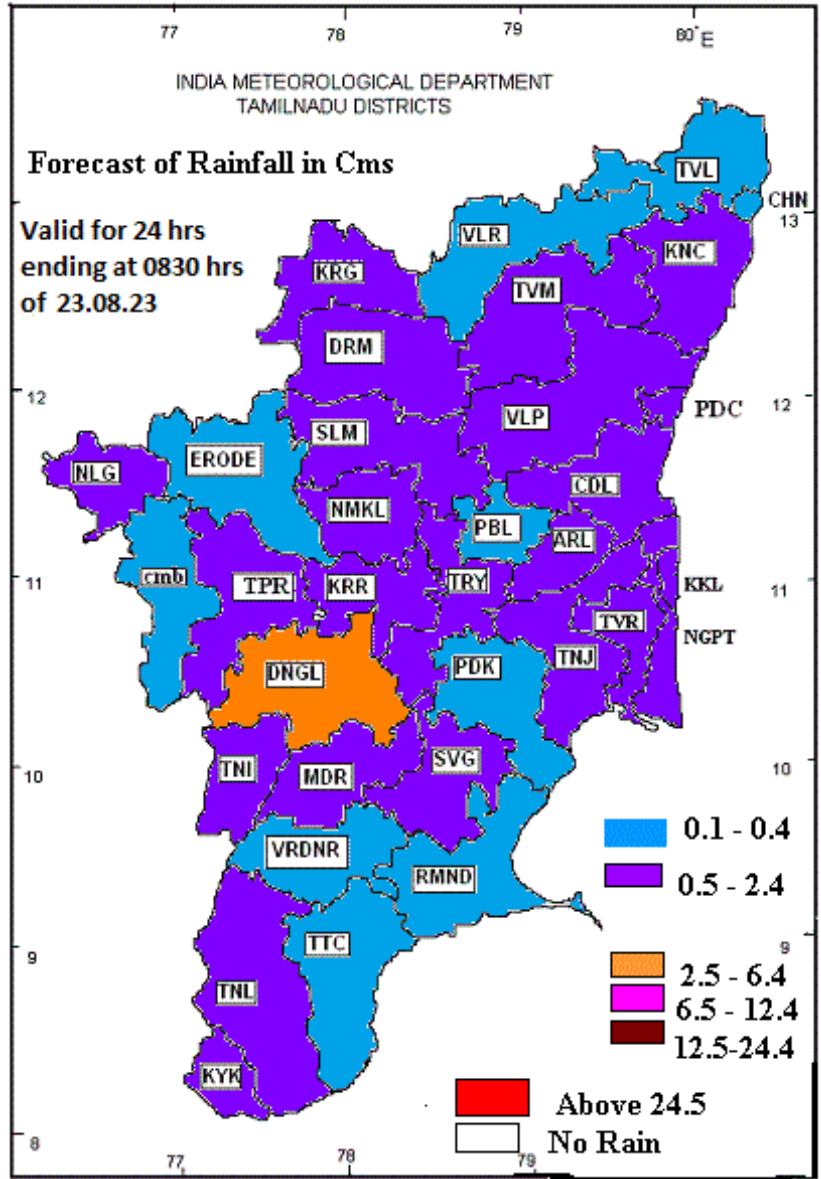
Kathivakkam (dist Chennai), Ayanavaram Taluk Office (dist Chennai), Tirur KVK AWS (dist Tiruvallur), Cholavaram (dist Tiruvallur), Ambathur (dist Tiruvallur), Vanagaram (dist Chennai), Malar Colony (dist Chennai), Teynampet (dist Chennai), Walajabad (dist Kancheepuram), Hindusthan University ARG (dist Chengalpattu), Perungudi (dist Chennai), Puzhal (dist Tiruvallur) 1 each.

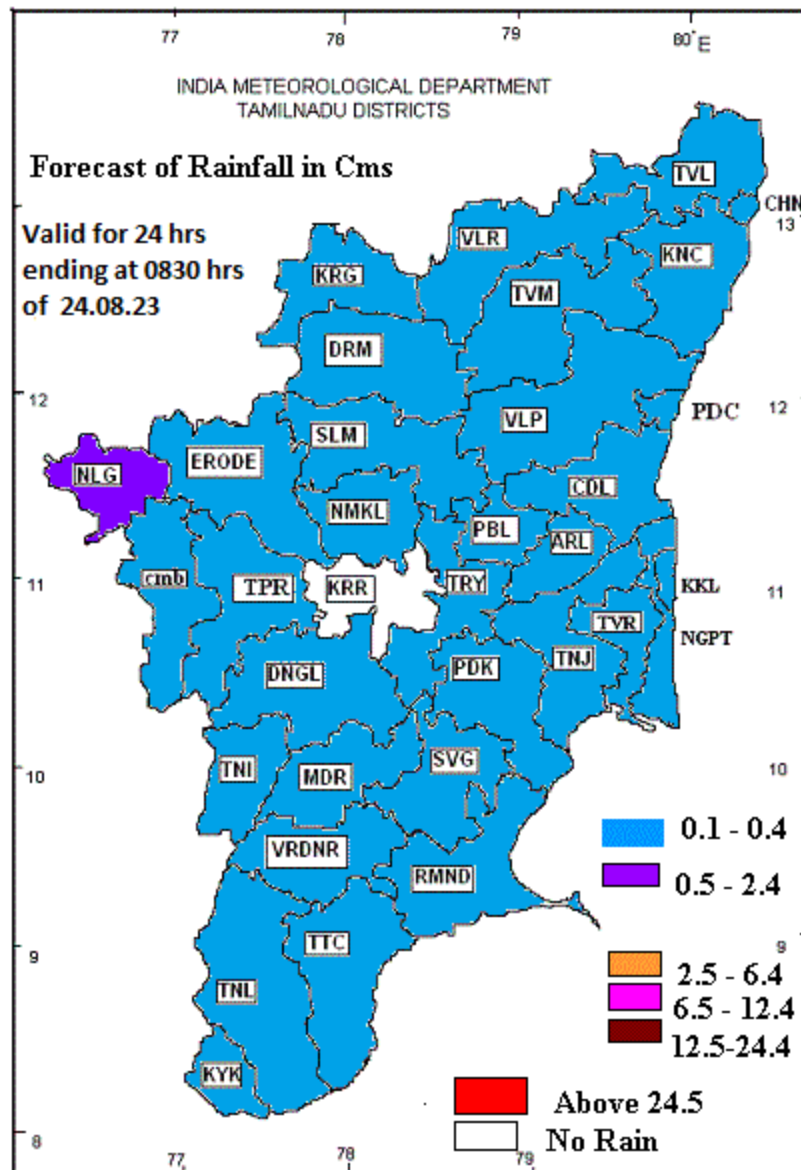
19.08.23 : Chinnakalar (dist Coimbatore), Cincona (dist Coimbatore) 1 each.

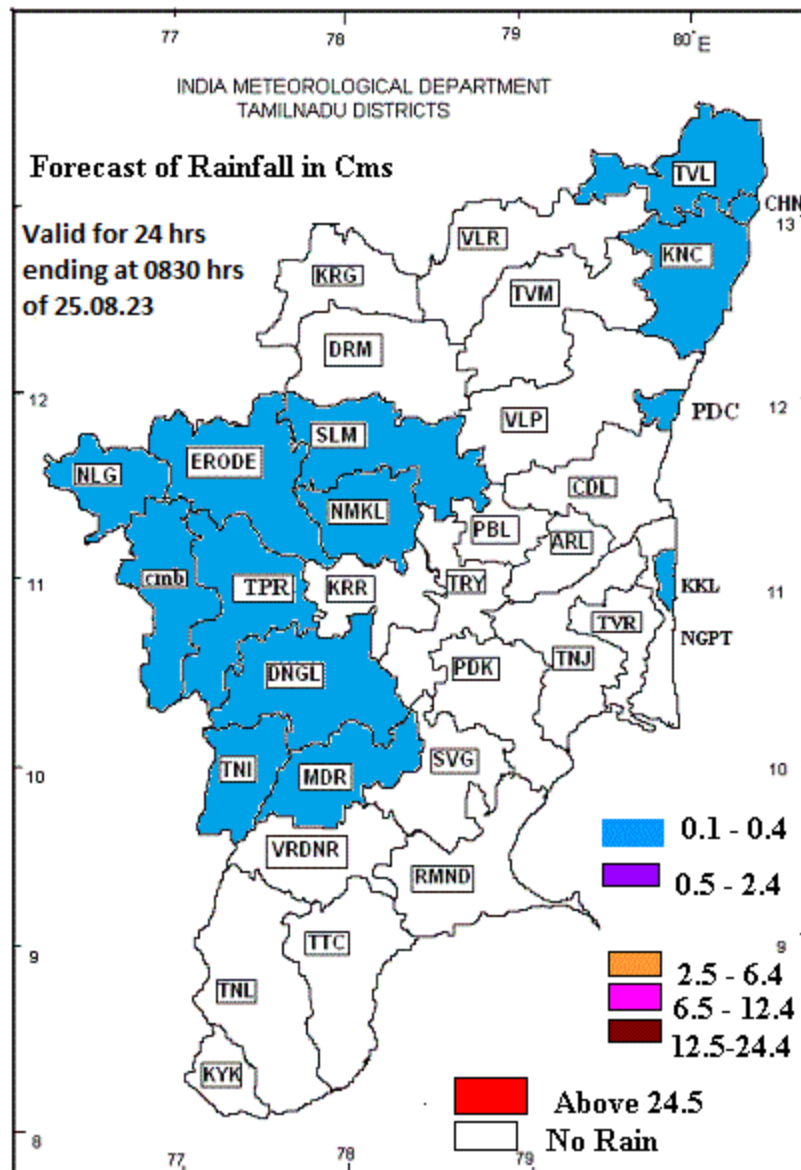
20.08.23 : Manali (dist Chennai), Went Worth Estate Cherrumulli (dist Nilgiris), Uthandi (dist Chennai) 3 each, Sholinganallur (dist Chennai), Taluk Office Pandalur (dist Nilgiris), Malar colony (dist Chennai), Red Hills (dist Tiruvallur), Anna University (dist Chennai), Kathivakkam (dist Chennai), Ambathur (dist Chennai), Royapuram (dist Chennai), TVK Nagar (dist Chennai) 2 each, Perambur (dist Chennai), Satyabama University ARG (dist Chengalpattu), Cholavaram (dist Tiruvallur), Anna Nagar (dist Chennai), MGR Nagar (dist Chennai), Devala (dist Nilgiris), Chennai Nungambakkam (dist Chennai), Ambathur (dist Tiruvallur), Wood Braiyar Estate (dist Nilgiris), DGP Office (dist Chennai), CD Hospital Tondaiyarpur (dist Chennai), Naduvattam (dist Nilgiris), Thiruvottiyur (dist Chennai), Vanagaram (dist Chennai), Kodambakkam (dist Chennai), MRC Nagar (dist Chennai) 1 each.

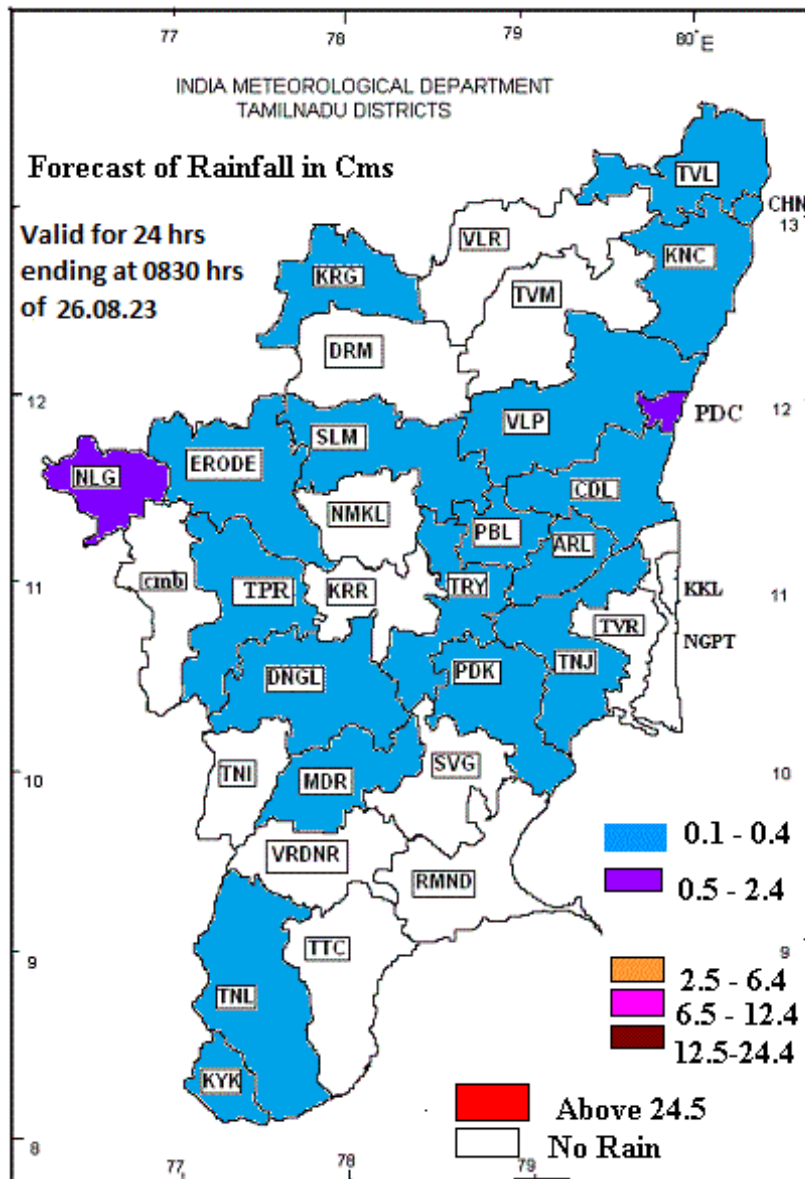
21.08.23 : Nambiyur (dist Erode) 3, Gudalur Bazaar (dist Nilgiris) 2, Upper Gudalur (dist Nilgiris), Thalaivasal (dist Salem), Kothavacherry (dist Cuddalore) Wood Braiyar Estate (dist Nilgiris), Barwood (dist Nilgiris), Harisan Malayalam Ltd. Cherumulli (dist Nilgiris), Naduvattam (dist Nilgiris), Taluk Office Pandalur (dist Nilgiris) 1 each.

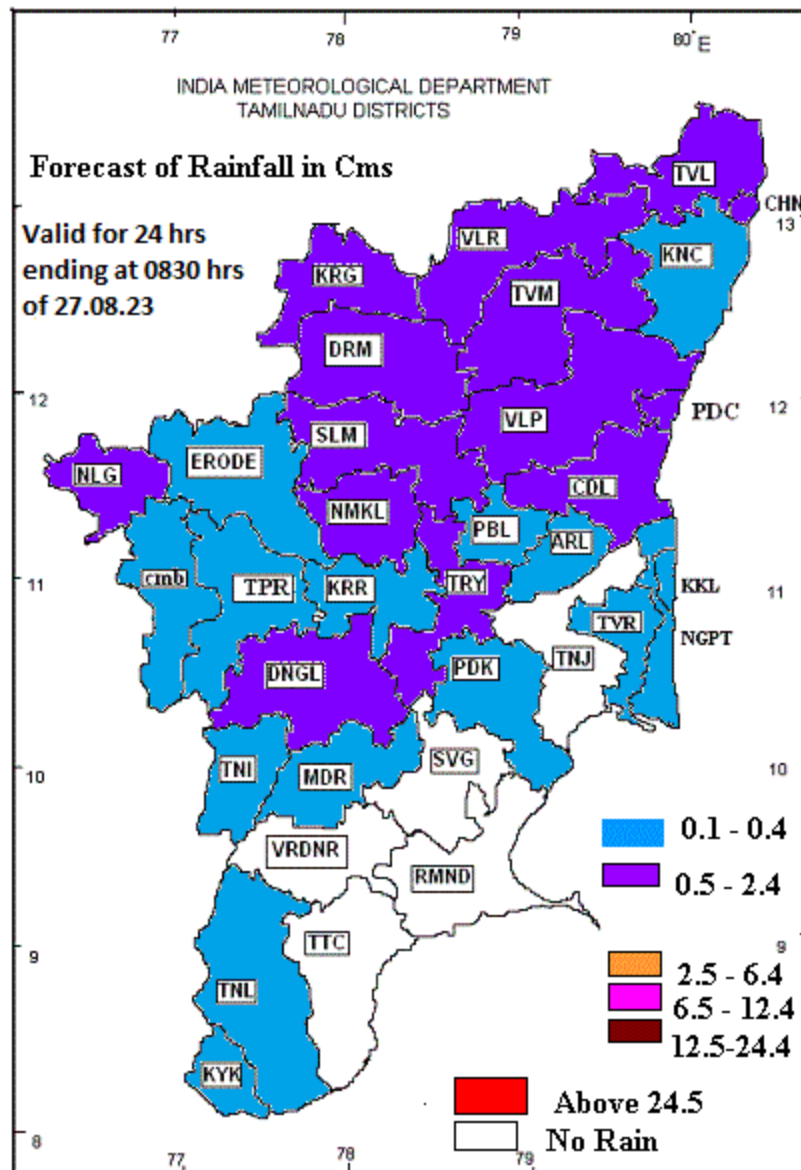
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 22.08.23
VALID FOR THE NEXT 5 DAYS**











District-wise Agromet Advisories

Chennai

SMS Advisory:

(23.08.2023-27.08.2023) Light to moderate rain is likely to occur at one or two places over Tamilnadu.

Livestock Advisory

- 1.The farmers should avoid allowing the animals to graze in hot parts of the day.
- 2.Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
- 3.dryfodder and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin
- 4.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.
- 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.
- 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.
- 7.Provision of cool wholesome drinking water to poultry during summer is essential.

Kancheepuram

SMS Advisory:

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- 1.The farmers should avoid allowing the animals to graze in hot parts of the day.
- 2.Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
- 3.dryfodder and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin
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- 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.
- 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.
- 7.Provision of cool wholesome drinking water to poultry during summer is essential.

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:

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Livestock Advisory

- 1.The farmers should avoid allowing the animals to graze in hot parts of the day.
- 2.Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
- 3.dryfodder and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin
- 4.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.
- 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.
- 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.
- 7.Provision of cool wholesome drinking water to poultry during summer is essential.

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 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

Tiruvannamalai

SMS Advisory:

(23.08.2023-27.08.2023) Light to moderate rain is likely to occur at one or two places over Tamilnadu.

Livestock Advisory

- 1.The farmers should avoid allowing the animals to graze in hot parts of the day.
- 2.Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
- 3.dryfodder and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin
- 4.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.
- 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.
- 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.
- 7.Provision of cool wholesome drinking water to poultry during summer is essential.

Agricultural advisory

Rice:

Leaf folder incidence was observed in rice field. The symptom of damage shows the leaves fold longitudinally, scrapes the green tissues of the leaves, which later becomes white and dry and severe infestation the whole field exhibits scorched appearance. To control this, apply fipronil 80% WG 20-25 g/acre or spray NSKE 5% or Azadirachtin 0.03% 400ml/acre.

Groundnut:

Apply gypsum 160kg/acre at 40-75 days after sowing. It increases pod formation and better filling of pods in groundnut.

Mango:

August month is ideal for pruning mango trees. The low spreading, criss cross, dried and diseased branches may be cut and removed. The cut must be smeared with bordeo paste.

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 @ 2 traps/acre.

Tiruvallur

From extended range forecast Normal rainfall, normal minimum temperature and maximum temperature expected for the period of 27.08.2023 to 02.09.2023 over Tamil Nadu. Very light to light rainfall may be expected for forthcoming days, So farmers are advised to harvest the matured crops and stored in safer places.

Crop(Varieties)	Crop Specific Advisory
RICE	1. Prevailing weather condition may cause leaf folder infestation in paddy crop. To controlspray carbo sulfan 400 ml/acre; 2.Stem bore- Spray Azadirachtin 0.03% 400 ml (Or) Flubendiamide 20% WG 50g per acre in 200 litres of water.
GROUNDNUT	.Considering the anticipated rainfall gypsum @ 400 kg/ha may be incorporated in the 40days old groundnut crop.
Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	1. Very light to light rainfall expected in the forthcoming days. So, farmers are advised to spray insecticides or fungicides with sticking agent; 2. Farmers are advised to drain the excess water in crop fields.

Vellore

As per the IMD extended range forecast (ERF), below normal rainfall temperature is likely over Tamil Nadu and Puducherry during August 27th to September 2nd 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. Very light to light rainfall expected in the forthcoming days. So, farmers are advised to spray insecticides or fungicides with sticking agent.

Crop(Varieties)	Crop Specific Advisory
RICE	Leaf folder incidence was observed in rice field. The symptom of damage shows the leaves fold longitudinally, scrapes the green tissues of the leaves, which later becomes white and dry and severe infestation the whole field exhibits scorched appearance. To control this, apply fipronil 80% WG 20-25 g/acre or spray NSKE 5% or Azadirachtin 0.03% 400ml/acre. Spray the TNAU Rice reap @ 3kg / acre by dissolving in 200 litre of water after adding required quantity of wetting agent at booting stage at 10days interval. It improves spikelet fertility, grain filling rate, tolerance against drought and high temperature .
GROUNDNUT	To increase flower retention , pod filling and to induce drought tolerance apart from yield improvement , 2 sprays of groundnut rich @ 2 kg / acre(for each spray) at 35 DAS (50 % flowering) and 45 DAS (pod development stage).
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	To control red palm weevil in coconut, apply neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown. To control rhinoceros beetle, setup Rhino lure pheromone trap @ 2 traps/acre.

Live Stock(Varieties)	Live Stock Specific Advisory
COW	If indigestion persists in cattle give 50 gram of Power Himalayan pattisa mixed with water as oral route daily for two days.
GOAT	If Sheep, Goat took more grains, gruels, meals and carbohydrates bloat will occur. Give liquid BLOATOSIL 10ml/sheep or goat in morning and once in evening through oral route.
Poultry(Varieties)	Poultry Specific Advisory
CHICK	5 days before arrival of chicks in existing poultry shed fumigation should be done. Keep litter materials, drinkers, feeders inside the poultry shed close the side curtain. For every 100 square feet put 100 gram of potassium permanganate or bleaching powder in 200 ml of formalin and make fume. Open the shed 2 days before arrival of chicks. This procedure will destroy all the virus particles in the shed.

Cuddalore

General Advisory:

From extended range forecast normal rainfall, minimum temperature and maximum temperature expected for the period of 23.08.2023 to 29.08.2023 over Tamil Nadu.

SMS Advisory:

By utilizing weather condition land can be prepared for samba rice cultivation before rain.

Rice

Due to prevailing weather condition possible for thrips infestation in paddy crop. To manage them, spray thiamethoxam 8.0g/ for 20 cent of nursery field. In transplanted field spray Azadiractin 400 ml/acre or thiamethoxam 40 g/ac.

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.

Maize

1.Maize growing farmers the fall army worm infection apply neem cake @ 250 kg/ha (farmer contribution)

2.Seed treatment with cyantraniliprole 19.8% + thiamethoxam 19.8 FS @ 4.0 ml/kg seed

3.Border cropping with gingelly or cowpea or sorghum

4.Installation of pheromone traps @ 12 nos./ha

5.Spraying of chlorantraniliprole 18.5 SC @ 0.4 ml/l (or) flubendiamide 20 WG (0.5 g/l) at 15-20 days of emergence (DAE)

6.Application of ememectin benzoate 5 SG (0.4 g/l) or spinetoram 11.7 SC (0.5 ml/l) at 35-40 DAE at late whorl stage and 60 DAE.

Banana

Light rain fall with 12-16 km/hour wind speed expected it may cause lodging in banana. Provide support to five months and above old banana.

Cow

Present weather may force the animals to take more drinking water. Provide enough cleaned drinking water to the animals. Inspect the animals for the symptoms of foot and mouth disease.

Coimbatore

Agro Advisory

Crop	Stage	Advisory
General		Light rainfall with high wind speed of 8 - 16 km/hr in Western Zone districts during next five days. The Coimbatore and Tiruppur districts may have very high windspeed up to 16 km/hr. Irrigation may be provided to all crops based on soil moisture.
Rice	Sowing	Anticipating rainfall, samba season nursery may be prepared for sowing medium duration rice.
Maize		This is best time for sowing irrigated maize for reaping potential yield. Irrigation may be provided to all crops based on soil moisture.
Groundnut		Weather conditions is favorable for the tikka leaf spot incidence in Groundnut and monitor the incidence if necessary spray Carbendazim 500 gram or Mancozeb 1000 gram per ha.
Sugarcane	Vegetative	Since rainfall with squally wind is expected, dethrash and propping in five months old sugarcane crop is recommended against the lodging.
Cotton		This is the best time to take up irrigated cotton by utilizing expected rain fall. Provide life irrigation, if soil moisture is not sufficient.
Gourds	Sowing	Since rainy season is started, this is the best time for take-up sowing gourds and other cucurbits.
Banana	Above 5 months old	Rain fall 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. Present weather may force the animals to take more drinking water. Provide enough cleaned drinking water to the animals. Inspect the animals for the symptoms of foot and mouth disease.

SMS advisory

This is the best time to take up winter irrigated cotton by utilizing expected rain fall. Provide life irrigation, if soil moisture is not sufficient.

Erode

Agro Advisory

Crop	Stage	Advisory
General		Light rainfall with high wind speed of 8 - 16 km/hr in Western Zone districts during next five days. The Coimbatore and Tiruppur districts may have very high windspeed up to 16 km/hr. Irrigation may be provided to all crops based on soil moisture.
Rice	Sowing	Anticipating rainfall, samba season nursery may be prepared for sowing medium duration rice.
Maize		This is best time for sowing irrigated maize for reaping potential yield. Irrigation may be provided to all crops based on soil moisture.
Groundnut		Weather conditions is favorable for the tikka leaf spot incidence in Groundnut and monitor the incidence if necessary spray Carbendazim

		500 gram or Mancozeb 1000 gram per ha.
Sugarcane	Vegetative	Since rainfall with squally wind is expected, dethrash and propping in five months old sugarcane crop is recommended against the lodging.
Cotton		This is the best time to take up irrigated cotton by utilizing expected rain fall. Provide life irrigation, if soil moisture is not sufficient.
Gourds	Sowing	Since rainy season is started, this is the best time for take-up sowing gourds and other cucurbits.
Banana	Above 5 months old	Rain fall with 8-10 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. Present weather may force the animals to take more drinking water. Provide enough cleaned drinking water to the animals. Inspect the animals for the symptoms of foot and mouth disease.

SMS advisory

This is the best time to take up winter irrigated cotton by utilizing expected rain fall. Provide life irrigation, if soil moisture is not sufficient.

Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		Light rainfall with high wind speed of 8 - 16 km/hr in Western Zone districts during next five days. The Coimbatore and Tiruppur districts may have very high windspeed up to 16 km/hr. Irrigation may be provided to all crops based on soil moisture.
Maize		This is best time for sowing irrigated maize for reaping potential yield. Irrigation may be provided to all crops 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.
Cotton		This is the best time to take up irrigated cotton by utilizing expected rain fall. Provide life irrigation, if soil moisture is not sufficient.
Gourds	Sowing	Since rainy season is started, this is the best time for take-up sowing gourds and other cucurbits.
Banana	Above 5 months old	Rain fall 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. Present weather may force the animals to take more drinking water. Provide enough cleaned drinking water to the animals. Inspect the animals for the symptoms of foot and mouth disease.

SMS advisory

This is the best time to take up winter irrigated cotton by utilizing expected rain fall. Provide life irrigation, if soil moisture is not sufficient.

Nilgiris

Due to continuous rainfall, drainage facilities have to be created to drain the excess water in vegetables. Foliar application of water-soluble micronutrient mixture @ 0.5 g/liter of water during 30, 45 and 60 days after planting may be done to increase the Garlic bulb yield. To manage Late blight in potato crop, foliar spray of mancozeb @ 2 g/l or chlorothalonil @ 2 g/l on 45, 60 and 75 days after planting is recommended.

Horticulture(Varieties)	Horticulture Specific Advisory
GINGER	Ginger soft rot management, Provide adequate drainage facilities, select healthy and disease - free seed rhizomes and treat the seed rhizomes with mancozeb or copper oxychloride @ 3 g/l or 200 ppm streptomycin for 30 minutes, In the field, drench the beds with copper oxychloride @ 2.5 g/l or 1% Bordeaux mixture

Nilgiris Block level

Gudalur and Kotagiri Blocks

Due to continuous rainfall, drainage facilities have to be created to drain the excess water in vegetables. Foliar application of water-soluble micronutrient mixture @ 0.5 g/liter of water during 30, 45 and 60 days after planting may be done to increase the Garlic bulb yield. To manage Late blight in potato crop, foliar spray of mancozeb @ 2 g/l or chlorothalonil @ 2 g/l on 45, 60 and 75 days after planting is recommended.

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Coonoor and Ooty Blocks

Due to continuous rainfall, drainage facilities have to be created to drain the excess water in vegetables. Foliar application of water-soluble micronutrient mixture @ 0.5 g/liter of water during 30, 45 and 60 days after planting may be done to increase the Garlic bulb yield. To manage Late blight in potato crop, foliar spray of mancozeb @ 2 g/l or chlorothalonil @ 2 g/l on 45, 60 and 75 days after planting is recommended.

Horticulture(Varieties)	Horticulture Specific Advisory
GARLIC	Due to continuous rainfall, drainage facilities have to be created to drain the excess water in vegetables. Foliar application of water-soluble micronutrient mixture @ 0.5 g/liter of water during 30, 45 and 60 days after planting may be done to increase the Garlic bulb yield.

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	Harvest the matured kuruvai paddy before the expected rain
	Harvest	Protect the harvested paddy from rain.
	Nursery	Considering favourable weather, prepare nursery for samba crop and make sowing.
	Main field	By utilizing weather condition land can be prepared for samba rice cultivation.
Coconut	Bearing Stage	To reduce the button shedding under this weather condition, feed the roots with 200 ml of coconut tonic per palm.
Cattle	Cow	Since the onset of rainy season may attract mosquitoes breeding, farmers are advised to give Notchi leaves fumigation in dairy barn. Insect population has detrimental effect on milk quality.

SMS advisory

By utilizing weather condition land can be prepared for samba rice cultivation.

Tiruchirapalli

Tamilnadu's average rainfall is likely to be the normal during this week from 23.08.2023 to 29.08.2023 (3.26 mm to 3.83 mm). To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely.

Crop(Varieties)	Crop Specific Advisory
RICE	Due to prevailing weather condition leaf folder infestation identified in paddy crop. To manage the leaf folder Release Trichogramma chilonis @5 cc (1,00,000/ha) thrice at 37, 44 and 51 days.
SESAME (GINGELLY/TIL)	Observe the crop, considering the average duration of the crop. 25% of the leaves from the bottom are shed and the top leaves lose their colour and turn yellow at maturity. The colour of the stem turns yellow. The colour of the capsules turn yellow upto the middle. Harvest before the bottom capsules turn brown. Examine the 10th capsule from the bottom by opening. If the seeds attained the full colour of the variety harvest may be taken up. If harvest is delayed/ the capsules will dehisce resulting in yield reduction.
SUNFLOWER	Cut the capitula (flower heads) only. Thresh and clean. Immediately after harvest, dry the heads in the sun for 3 days. Spread the heads in thin layer and give turning once in 3 hours. NOTE: Do not heap or store the heads before drying properly as mould fungi will develop and spoil the grain quality. Thresh using a mechanical thresher, or beat with a stick and separate the grains, Winnow and clean the seeds, Dry the seeds again in the sun for another two days & Store in gunny bags.
Horticulture(Varieties)	Horticulture Specific Advisory

TAPIOCA	To control mealy bug in tapioca, Release of mealy bug parasitoid (<i>Acerophagus papayae</i>) @100 Nos./acre.
TOMATO	Due to prevailing weather the white fly incidence may occur in Tomato. To control install yellow sticky traps @12/ha.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	The dairy animals should be milked completely within 5 to 8 minutes. Since the oxytocin hormone release will be only during this period. It will help for preventing mastitis infection in cow.
GOAT	Farmers are advised to apply Butox solution (2 ml in 1 litre water) externally to remove ecto - parasites in sheep and goats.
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, Marungapuri, Uppiliapuram & Vaiyampatti Blocks

Tamilnadu's average rainfall is likely to be the normal during this week from 23.08.2023 to 29.08.2023 (3.26 mm to 3.83 mm). To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely.

Crop(Varieties)	Crop Specific Advisory
RICE	Due to prevailing weather condition leaf folder infestation identified in paddy crop. To manage the leaf folder Release <i>Trichogramma chilonis</i> @5 cc (1,00,000/ha) thrice at 37, 44 and 51 days.
SUNFLOWER	Cut the capitula (flower heads) only. Thresh and clean. Immediately after harvest, dry the heads in the sun for 3 days. Spread the heads in thin layer and give turning once in 3 hours. NOTE: Do not heap or store the heads before drying properly as mould fungi will develop and spoil the grain quality. Thresh using a mechanical thresher, or beat with a stick and separate the grains, Winnow and clean the seeds, Dry the seeds again in the sun for another two days & Store in gunny bags.
Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	Due to prevailing weather the white fly incidence may occur in Tomato. To control install yellow sticky traps @12/ha.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	The dairy animals should be milked completely within 5 to 8 minutes. Since the oxytocin hormone release will be only during this period. It will help for preventing mastitis infection in cow.
GOAT	Farmers are advised to apply Butox solution (2 ml in 1 litre water) externally to remove ecto - parasites in sheep and goats.

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, Turaiyur Blocks

Tamilnadu's average rainfall is likely to be the normal during this week from 23.08.2023 to 29.08.2023 (3.26 mm to 3.83 mm). To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely.

Crop(Varieties)	Crop Specific Advisory
RICE	Due to prevailing weather condition leaf folder infestation identified in paddy crop. To manage the leaf folder Release Trichogramma chilonis @5 cc (1,00,000/ha) thrice at 37, 44 and 51 days.
SESAME (GINGELLY/TIL)	Observe the crop, considering the average duration of the crop. 25% of the leaves from the bottom are shed and the top leaves lose their colour and turn yellow at maturity. The colour of the stem turns yellow. The colour of the capsules turn yellow upto the middle. Harvest before the bottom capsules turn brown. Examine the 10th capsule from the bottom by opening. If the seeds attained the full colour of the variety harvest may be taken up. If harvest is delayed/ the capsules will dehisce resulting in yield reduction.
Horticulture(Varieties)	Horticulture Specific Advisory
TAPIOCA	To control mealy bug in tapioca, Release of mealy bug parasitoid (Acerophagus papayae) @100 Nos./acre.
TOMATO	Due to prevailing weather the white fly incidence may occur in Tomato. To control install yellow sticky traps @12/ha.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	The dairy animals should be milked completely within 5 to 8 minutes. Since the oxytocin hormone release will be only during this period. It will help for preventing mastitis infection in cow.
GOAT	Farmers are advised to apply Butox solution (2 ml in 1 litre water) externally to remove ecto - parasites in sheep and goats.
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 Moderate rain on 23 Aug & light rain during 24, 25, 26, 27 Aug. Maximum temperature would be in the range of 37°C to 39°C and the minimum temperature would be between 25°C - 27°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 6-8 Kmph from, West & Northwest directions
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General Advisory:

Heavy rain is likely to occur at one or two places over the district on 23 August 2023. Farmers are advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rain water. During these days farmers are advised to avoid irrigation, intercultural operations and application of plant protection measures to the standing crops, provide adequate drainage facilities in the fields to avoid water stagnation due to heavy rainfall, do not allow the animals to grazing outside, standing near the trees or electric poles & provide safe shelter.

Light to Moderate rain with thunderstorm & lightning is likely to occur at one or two places over district on 23 & 24 August 2023. 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.

Weather Based Agro-Advisories: (Cotton, Guava & Animal Husbandry).

Cotton:

This is the suitable time for Seed pelleting in cotton. Farmers who are preparing for cotton cultivation can go for cotton seed coating before planting.

Seeds can be coated with Arappu leaf powder 100g/kg along with DAP 40g/kg, micronutrient mixture 15g/kg and Azospirillum 200g/kg using 500ml Maida solution or gruel as an adhesive (300 ml/kg) to increase the germination and vigour.

Dibble the seeds at a depth of 3-5 cm on the side of the ridge.

Guava:

The incense of Tea mosquito bug in Guava. The pest incidence was noticed on young leaves and fruits of Guava.

To manage this pest, farmers are advised to collect and destroy the damaged plant parts and do regular pruning. Shade regulation facilitates proper penetration of sunlight inside the canopy which reduces the incidence of this pest.

Spray Neem oil @ 50ml + Pungam Oil @ 10ml with 10litres of water.

Animal Husbandry:

Farmers are advised to feed the cows with greens and straw as half (quantity) in the morning and half in the evening after milking.

Do not change the fodder and its quantity. It can be changed gradually. Long and hard stem fodders should be cut into small pieces and fed to the Cow.

Better to feed the cow with a mixture of young foliage and dry grass with hay.

Silage should be given after the end of milking, Concentrate feeding should be given in the morning and evening with equal distribution.

Madurai

SMS Advisory	Chances of Moderate rain on 23 Aug & light rain during 24, 25, 26, 27 Aug. Maximum temperature would be in the range of 37°C to 39°C and the minimum temperature would be between 25°C - 27°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 6-8 Kmph from, Northwest, Southwest & South directions.
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General Advisory:

Heavy rain is likely to occur at one or two places over the district on 23 August 2023. Farmers are advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rain water. During these days farmers are advised to avoid irrigation, intercultural operations and

application of plant protection measures to the standing crops, provide adequate drainage facilities in the fields to avoid water stagnation due to heavy rainfall, do not allow the animals to grazing outside, standing near the trees or electric poles & provide safe shelter.

Light to Moderate rain with thunderstorm & lightning is likely to occur at one or two places over district on 23 & 24 August 2023. 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.

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

Paddy:

The incense of Bacterial Leaf Blight is noticed in Paddy fields. It infects the paddy after 3-4 weeks of planting.

In paddy, water-soaked to yellowish stripes on leaf blades or starting at leaf tips then later increase in length and width with a wavy margin, lesions are seedling wilt, turn yellow to white as the disease advances. If the cut end of the leaf is kept in water it becomes turbid because of bacterial ooze.

To control this spray Neem oil 60 EC 3% (or) NSKE 5% or fresh cow dung extract 20% twice (starting from the initial appearance of the disease and another at fortnightly intervals) is recommended for the control of sheath rot, sheath blight, grain discolouration and bacterial blight.

Cotton:

To rectify the nutrient deficiency in Cotton, farmers can apply micronutrients within 10-15 days from the date of sowing.

Apply Cotton nutrient mixture @ 5kg or Magnesium Sulphate @ 10 kg/acre. Also, mix Azospirillum @ 2kg/acre and Phosphobacteria @ 2kg/acre with Farm Yard Manure and apply the same in cotton fields.

Animal Husbandry:

Farmers are advised to feed the cows with greens and straw as half (quantity) in the morning and half in the evening after milking.

Do not change the fodder and its quantity. It can be changed gradually. Long and hard stem fodders should be cut into small pieces and fed to the Cow.

Better to feed the cow with a mixture of young foliage and dry grass with hay.

Silage should be given after the end of milking,

Concentrate feeding should be given in the morning and evening with equal distribution.

Pudukottai

Extended Range Forecast For Tamil Nadu 27 .08.2023 to 02.09.2023. During the Week from 27 th to 02 th September Normal Rainfall . Maximum temperature and minimum temperature Normal is likely to occur over Tamilnadu. This is a season for vegetable sowing, hence the farmers are advised to treat the vegetable seeds with Bacillus subtilis @ 4 g / kg of seed before sowing to avoid rot in seedlings.

Crop(Varieties)	Crop Specific Advisory
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.

RICE	Due to the prevailing weather condition the incense of Rice horned caterpillar in Paddy. The Larva feeds on leaf blades of rice. Leaves are defoliated from the margin or tip irregularly. To control this, drain the excess water from the field. To manage this pest, foliar spray of Emamectin Benzoate @ 6gms per tank or Flubendiamide @ 20ml per acre is recommended.
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Due to the prevailing weather condition, mulching technology can be practiced in Coconut grove to reduce the water evaporation, 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 1.8m radius around the palms as mulch for soil moisture conservation particularly during summer season.
JASMINE	Micronutrient deficiency is noticed in Jasmine flower fields. Application of wellcomposted manure in the jasmine field will give effective results. Farmers are advised to apply Farm Yard Manure @ 10kg per pit before planting.
TOMATO	The incense of Leaf Curl virus disease is noticed in Tomatoes. The symptom appears on newly grown plants, tomato yellow leaf curl virus reduces the internodes and also gives the plant a stunted appearance. The new leaves also greatly reduce in size, wrinkled and yellowed between the veins. Have margins that curl upward, giving them a cup-like appearance. Flowers may appear but usually will drop before the fruit set. To control spray the composite of Fermented curd 250ml + + 2 egg white with 10 litres of water.
BANANA	The incense of Mosaic virus is expected in Banana. The symptoms are found in foliage with chlorotic mottling or stripes, distorted leaves and distorted fruit with chlorotic streaks. To control spray Neem oil @ 40ml + Trichoderma viride @ 40gm + sticky agent @ 10ml with 10 liters of water. Spraying can be done during non- rainy days.
BRINJAL	Prevailing weather is suitable for spraying growth regulators in Brinjal. Spray 2 ppm (1 ml) Triacntanol plus Sodium Borate or Borax @ 35 mg/litre of water 15 days after transplanting and at the time of full bloom to increase the yield.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	For livestock, the heat stress can be managed by spraying/ sprinkling water directly on the body of animals for a period of 1 to 5 minutes at an interval of 30-60 minutes. Cover the sides of the cow shed with wet gunny bags. Ensure the increased mineral supplementation to the animals during hot weather to meet the increased demand for minerals. The potassium-rich mineral mixture should be preferred for your cattle.
Poultry(Varieties)	Poultry Specific Advisory
CHICK	If the temperature is high during the day, raising the feed trough on the poultry farm from 10 a.m. to 5 p.m. can reduce the heat. Also, mixing mineral salts and B-vitamin C in drinking water can protect against heat exhaustion. To control parasitic infestation

	in livestock during summer, mix 3 ml of Butox in 1 liter of water and spray.
Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Mulching is advised to overcome the ill effect of high temperature in flower gardens. Further farmers are requested to monitor the incidence of thrips attack and if required spray Neem Seed Kernel Extract @ 5%.

Ramanathapuram

From extended range forecast, normal rainfall, maximum and minimum temperature expected for the period of August 27 to September 02 over Tamil Nadu. Farmers are advised to plough their field using the current rainfall.

Crop(Varieties)	Crop Specific Advisory
RICE	Farmers are advised to sown short duration and drought tolerant rice varieties like TKM 15, ADT 53, Co 53 and Co 55.
RICE	Farmers are advised to harden the seeds in case of rainfed direct sowing of paddy.
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Due to the prevailing weather condition, incidence of red palm weevil expected in coconut. The damage symptoms are holes can be seen on the stem with chewed up fibres protruding out and reddish brown liquid can be seen oozing out from the hole. If symptoms are observed in coconut tree, spot application with insecticidal solution containing Imidacloprid 17.8% SL @ 1 ml with 1 liter of water.
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 Haemorrhagic septicaemia (HS), Black Quarter (BQ) and FMD disease.
Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory
RAIN WATER HARVESTING	Farmers are advised to repair the water channels, farm ponds and other water bodies to harvest the rain water.

Sivagangai

SMS Advisory	Chances of light rain on 23 & 24 Aug. Maximum temperature would be in the range of 37°C to 39°C and the minimum temperature would be between 25°C - 27°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 12-18 Kmph from, South direction.
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General Advisory:

Wind with the speed of 12 to 18 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.

Light to Moderate rain with thunderstorm & lightning is likely to occur at one or two places over district on 23 & 24 August 2023. 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.

Weather Based Agro – Advisories: (Important Crops: Paddy, Tomato & 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 and do in-situ incorporation within 30 – 45 days after sowing.

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

Tomato:

The incense of Septoria Leaf Spot disease is noticed in Tomato. The plant may be attacked at any stage of its growth.

The disease is characterized by numerous, small, grey, circular leaf spots having a dark border. Remove and destruct the affected plant parts.

Spraying Copper-oxychloride @ 350gm per acre in the field may effectively control the disease.

Animal Husbandry:

Farmers are advised to feed the cows with greens and straw as half (quantity) in the morning and half in the evening after milking.

Do not change the fodder and its quantity. It can be changed gradually. Long and hard stem fodders should be cut into small pieces and fed to the Cow.

Better to feed the cow with a mixture of young foliage and dry grass with hay.

Silage should be given after the end of milking,

Concentrate feeding should be given in the morning and evening with equal distribution.

Theni

SMS Advisory	Chances of light rain during 23, 24 & 27 Aug. Maximum temperature would be in the range of 34°C to 36°C and the minimum temperature would be between 23°C - 24°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 6-10 Kmph from, West & Southwest directions.
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General Advisory:

Wind with the speed of 6 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.

Light to Moderate rain with thunderstorm & lightning is likely to occur at one or two places over district on 23 & 24 August 2023. 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.

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

Coconut:

Due to the prevailing weather conditions, there is a chance 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.

Jasmine:

The incidence of sucking pests is noticed in Rose, Jasmine and Tuberose crops.

This pest affects all the stages of the crop.

To control Sucking pests spraying of Prophenophos @ 2 ml per litre of water is recommended.

Animal Husbandry:

Farmers are advised to feed the cows with greens and straw as half (quantity) in the morning and half in the evening after milking.

Do not change the fodder and its quantity. It can be changed gradually. Long and hard stem fodders should be cut into small pieces and fed to the Cow.

Better to feed the cow with a mixture of young foliage and dry grass with hay.

Silage should be given after the end of milking,

Concentrate feeding should be given in the morning and evening with equal distribution.

Virudhunagar

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Light rainfall is predicted for next two days, so farmers are requested to postpone the irrigation or to plan based on local weather prevail.
Cotton	Sowing	Adopt synchronized sowing. Grow castor, cowpea, maize as bund crop or intercrop to encourage the activities of natural enemies. Basal application of 250 kg/ha of neem cake.
Pearl millet and sorghum	Rainfall	Seed hardening - Pearl millet & Sorghum: 2% potassium chloride (Dissolve 20 gm of salt in 1000 ml of water). Soak 1 kg of seed in 650 ml of this solution for 10 hours and dry back to original moisture.
Livestock	Sheep	Hlaemorrhagic septicaemia-Very Less Risk- Affected animals May be treated with suitable antibiotics. Vaccination to be done in consultation with the veterinarians.

SMS: Rain: 23-24&.08-4, 3 mm. Sowing may be taken with seed hardening.

Tamil Nadu		
A north-south trough runs from South Interior Karnataka to Comorin area across interior Tamil Nadu at 0.9 km above mean. sea level. A cyclonic circulation lies over north Tamil Nadu & adjoining Rayalaseema at 1.5 km above mean sea level		
Weather forecast	Next five days	Day 1 (23-08-2023): Light to moderate rain at many places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry & Karaikal

		<p>area. Heavy rain is likely to occur at one or two places over Salem, Namakkal, Karur, Dharmapuri, Dindigul & Madurai districts of Tamilnadu.</p> <p>Day 2 (24-08-2023): Light to moderate rain at a few places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry & Karaikal area.</p> <p>Day 3 (25-08-2023) to Day 5 (27-08-2023): Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry & Karaikal area.</p>
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Tirunelveli

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Even though rainfall is predicted, farmers are requested to irrigate the crops..
Rainfall	Rainfed - Ploughing	Preparatory cultivation to be completed at the earlier and also drainage channel may be erected at the across the slope to avoid water logging.
Plant protection	Rainfall	Avoid spraying.
Paddy	Tillering to panicle initiation stage	Weather prevailed is conducive for Stem borer incidence. To control spray Chlorantraniliprole 18.5% SC 150 ml/ha and Azadirachtin 0.03% 1000ml/ha.
Sugarcane	Vegetative to Tillering	Weather is conducive for Early shoot Borer. Spray Chlorpyriphos 1000 ml with Teepol (250 ml / 500 l of water) preferably high-volume sprayer to be most effective.
Banana	Vegetative to bunch formation stage	Wind speed- To avoid lodging, propping and Earthing-up operation may be practiced
Livestock	Disease Forecast for September month	Anthrax - Very High Risk- Ring vaccination and report of disease is advised. Contaminated area May be disinfected with 4% formalin or 10% caustic soda.

SMS: Rain 23,24,26&27.08-9,2,2,&3 mm. Avoid spraying. Rice - Stem borer - spray Chlorantraniliprole 18.5% SC 150 ml/ha. Preparatory cultivation practices.

Tamil Nadu		
A north-south trough runs from South Interior Karnataka to Comorin area across interior Tamil Nadu at 0.9 km above mean. sea level. A cyclonic circulation lies over north Tamil Nadu & adjoining Rayalaseema at 1.5 km above mean sea level		
Weather forecast	Next five days	<p>Day 1 (23-08-2023): Light to moderate rain at many places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry & Karaikal area. Heavy rain is likely to occur at one or two places over Salem, Namakkal, Karur, Dharmapuri, Dindigul & Madurai districts of Tamilnadu.</p> <p>Day 2 (24-08-2023): Light to moderate rain at a few places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry & Karaikal area.</p> <p>Day 3 (25-08-2023) to Day 5 (27-08-2023): Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry & Karaikal area.</p>

Thoothukudi

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Even though rainfall is predicted for next two days, farmers are requested to irrigate the crops.
Rainfall	Ploughing	Preparatory cultivation to be completed at the earlier and also drainage channel may be erected at the across the slope to avoid water logging.
Plant protection	Rainfall	Avoid spraying.
Paddy	Tillering to panicle initiation stage	Weather prevailed is conducive for Stem borer incidence. To control spray Chlorantraniliprole 18.5% SC @ 150 ml/ha and Azadirachtin 0.03% 1000 ml/ha.
Banana	Vegetative to bunch formation stage	wind speed- To avoid lodging, propping and Earthing-up operation may be practiced
Drumstick		Weather is conducive for Leaf caterpillar, to control plough around trees to expose and kill pupae, Set up light trap@ 1/ha. Spray insecticides like carbaryl 50 WP@ 1gm/lit.

SMS: Rain: 23&24.08-3&1 mm. Rice - Stem borer - spray Chlorantraniliprole 18.5% SC@ 150 ml/ha.

Preparatory cultivation practices. Drumstick- Leaf caterpillar-spray carbaryl 50 WP@ 1gm/lit.

Tamil Nadu		
A north-south trough runs from South Interior Karnataka to Comorin area across interior Tamil Nadu at 0.9 km above mean. sea level. A cyclonic circulation lies over north Tamil Nadu & adjoining Rayalaseema at 1.5 km above mean sea level		
Weather forecast	Next five days	<p>Day 1 (23-08-2023): Light to moderate rain at many places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry & Karaikal area. Heavy rain is likely to occur at one or two places over Salem, Namakkal, Karur, Dharmapuri, Dindigul & Madurai districts of Tamilnadu.</p> <p>Day 2 (24-08-2023): Light to moderate rain at a few places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry & Karaikal area.</p> <p>Day 3 (25-08-2023) to Day 5 (27-08-2023): Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry & Karaikal area.</p>

Kanyakumari

AGRO ADVISORIES:

S. N.	CROP	STAGES	ADVISORIES
			There are possibility of rainfall on 23.08.23, 24.08.23, 26.08.23 and 27.08.23. Maximum temperature will range from 33 - 34OC and minimum temperature will range from 24 - 25 OC. Partly cloudy condition may prevail. The morning relative humidity will range from 80 - 90 % and it may range from 50 - 60 % during afternoon. Wind speed may be 16 – 20 km / hr in West direction.

1.	Coconut	All stages	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.
2.	Papaya	Harvest stage	To prevent post-harvest disease of rhizopus rot spray mancozeb @ 2g/liter of water before harvest.
3.	Horticultural crops	All stages	Irrigation should be given to fruit trees, spices, vegetables and other horticultural crops.
4.	Tapioca	Vegetative stage	Mealy bug infestation may occur spraying of fish oil rosin soap @ 25 gram per litre is recommended to control the pest.
5.	Rice	Vegetative stage	Spraying of chlorphiphos 20% E C @ 1.25 lit/ha to control the stem borer attack in rice.
6.	Horticultural crops	Young plants	Irrigate the newly planted fruit trees and tree spices due to low rainfall.

SMS Advisory

As there is chance of light rainfall, rain water can be stored by forming circular basins and mulching in fruit and tree spices.

Salem

Weather Advisory Bulletin for livestock, poultry and agro advisory

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Salem:		
Crops	General	Vigilance while sun drying harvested goods. Fungal and bacterial diseases like blight, leaf spots and wilt may spread in crops. Take control measures in the beginning stage of diseases.
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.Keep
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/ork ra/ 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:	General	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
Livestock	General	<p>Oxalate poisoning in livestock</p> <p>Oxalates are found in paddy straw and green fodders such as bajra-napier grass, super napier, bajra, kolukatai, guinea grass and millets. In general, young plants contain more oxalate than older plants. The oxalate content is highest in leaf tissue, followed by stem tissue particularly in dwarf varieties. Besides, the oxalate levels decline as the harvest interval increases. Among different harvest seasons, oxalate accumulation was more during summer and monsoon seasons. Presence of more than 2.0% soluble oxalate in feeds may lead to oxalate poisoning in ruminants whereas more than 0.5% soluble oxalate may be toxic to monogastric animals such as horses, rabbits etc. When the animals consume more oxalates for longer period, it may lead to calcium deficiency and formation of urinary calculi. Hence, the farmers are advised to avoid application of excess urea and farm yard manure to the forage crops during this cloudy monsoon season. The leaves should not be dark green in colour. Besides, the application of potash should be kept to minimum. The cultivated fodders like bajra-napier and super napier grasses should be harvested at 45 days interval and feeding of young growing grass may be avoided.</p>

Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Paddy	General recommendation	To increase the productive tillers as well as yield of paddy, farmers are advised to apply 10 kg of farmyard manure enriched paddy micro nutrient mixture as basal dose per acre under kharif season.
Sugarcane	Vegetative stage	To alleviate the micronutrient deficiency as well as to improve the yield of sugarcane, foliar spraying with sugarcane booster @ 1 kg / acre 45 days after planting, @1.5 kg / acre 60 days after planting and @ 2 kg / acre 75 days after planting in 200 liters of water along with sticking agent.
Crops	General recommendation	To conserve the soil moisture in field as well as to reduce the number of irrigation, farmers are requested to cover the surface soil by applying farmyard manure, plant residues, coconut / palm / areca nut leaves, coconut husk, composted coir pith, grow multi grains around the tree and in-between the rows of plants.
Vegetable crops	Flowering and Fruiting stage.	Vegetables growers are requested to give foliar spraying with vegetable booster @ 3 – 5 g / litre of water at flowering and fruiting stage.
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.

Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

Crop	Advisory
Paddy	Paddy Thrips Leaf shows discoloration and rolling Yellow (or) silvery streaks on the leaves of young seedlings ,Terminal rolling and drying of leaves from tip to base, It causes damage both in nursery and main field, Leaf tips wither off when severely infested for control measures Spray azadirachtin 0.15% @ 600-1000 ml/acre, Thiamethoxam 25 WG @ 40 g/acre
Groundnut	Groundnut Early leaf spot: Infection starts about a month after sowing. Small chlorotic spots appear on leaflets, with time they enlarge and turn brown to black and assume sub circular shape on upper leaf surface. On lower surface of leaves light brown colouration is seen. Lesions also appear on petioles, stems, stipules. In severe cases several lesions coalesce and result in premature senescence for control measures spray 10% Calotropis leaf extract, Spray Carbendazim 250 g + Mancozeb 1000g/ha , Chlorothalonil 1000g/ha. If necessary give the 171 second round 15 days later.
Sugarcane	Sugarcane Internodes Bore Caterpillars attack sugarcane plants after 3 months of planting. Internodes constricted and shortened, with a number of boreholes, Boreholes are plugged with fresh excreta in the nodal region. Frass materials are present on the affected portion. control measures Apply Coragen - Chlorantraniliprole 18.5 % w/w @60 ml/ac
Sugarcane	Sugarcane White Grub symptoms Yellowing and wilting of leaves. Drying of entire crown. Affected canes come off easily when pulled. Cause extensive damage to roots and base of shoot. Affected canes shows lodging in the field. Damages can seen more in ratoon crop when compare to plant crop for control measures Apply Beauveria brongniortii @ 2.5 kg/ha (1*10 ⁹ CFU/g) entopathogenic fungal formulation along with FYM at the time of planting in endemic regions.
Jasmine	Jasmine Budworm symptoms of damage Caterpillar makes hole on the flower bud and feeds on

	the inner content. Larva attacks 2 -3 buds Petals are eaten by the larvae for control measures Collect and destroy the damaged buds with larvae Use light trap to attract and kill the adult moths Spray NSKE 5% or
Tomato	Bacterial wilt- High soil moisture. Rapid and complete wilting of plant. Lower leaves drop before wilting. Yellow brown discolouration of tissues. White bacterial ooze from cut ends. Drenching with bleaching powder @ 10 kg / ha.
Tomato	Tomato Early Blight Brown spots with concentric rings in a bull's eye pattern with yellow margin. Fruit gets infected through calyx or stem attachment. Brown concentric rings on fruits. For control measures Mancozeb 35% SC @ 2g /lit, or propiconazole 1 ml/liter
Tomato	Whitefly Chlorotic spots, Yellowing, Downward curling and drying of leaves, Vector of tomato leaf curl disease control measures Use yellow sticky traps at 12/ha to attract and kill insects. Apply carbofuran 3% G @ 40 kg /ha or Imidacloprid 17.8 SL 3.0ml/10lit.
Cattle	Keep animals in shade and give them plenty of clean and cold water to drink. Do not make them work between 11 am to 4 pm. Cover the shed roof with straw, paint it white or plaster with dung-mud to reduce temperature. Use fans, water spray and foggers in the shed. During extreme heat, spray water and take cattle to a water body to cool off. Give them green grass, protein-fat bypass supplement, mineral mixture and salt. Make them graze during cooler hours. Provide curtains and proper ventilation in poultry house.
Cattle	Due to the prevailing weather condition, your cattle may be affected by issues like respiratory distress and mucous discharge from the mouth. To overcome these problems, farmers are advised to prepare and feed the mixture balls. Take an equal amount of Jaggery, Cumin seed, and Onion. Grind the ingredients and make them round balls. Feed these balls to the affected cow at the morning and evening hours.

Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	<p>Oxalate poisoning in livestock</p> <p>Oxalates are found in paddy straw and green fodders such as bajra-napier grass, super napier, bajra, kolukatai, guinea grass and millets. In general, young plants contain more oxalate than older plants. The oxalate content is highest in leaf tissue, followed by stem tissue particularly in dwarf varieties. Besides, the oxalate levels decline as the harvest interval increases. Among different harvest seasons, oxalate accumulation was more during summer and monsoon seasons. Presence of more than 2.0% soluble oxalate in feeds may lead to oxalate poisoning in ruminants whereas more than 0.5% soluble oxalate may be toxic to monogastric animals such as horses, rabbits etc. When the animals consume more oxalates for longer period, it may lead to calcium deficiency and formation of urinary calculi. Hence, the farmers are advised to avoid application of excess urea and farm yard manure to the forage crops during this cloudy monsoon season. The leaves should not be dark green in colour. Besides, the application of potash should be kept to minimum. The cultivated fodders like bajra-napier and super napier grasses should be harvested at</p>

		45 days interval and feeding of young growing grass may be avoided.
Agro advisory from Krishi Vigyan Kendra		
Paddy	General recommendation	To increase the productive tillers as well as yield of paddy, farmers are advised to apply 10 kg of farmyard manure enriched paddy micro nutrient mixture as basal dose per acre under kharif season.
Sugarcane	Vegetative stage	To alleviate the micronutrient deficiency as well as to improve the yield of sugarcane, foliar spraying with sugarcane booster @ 1 kg / acre 45 days after planting, @1.5 kg / acre 60 days after planting and @ 2 kg / acre 75 days after planting in 200 liters of water along with sticking agent.
Crops	General recommendation	To conserve the soil moisture in field as well as to reduce the number of irrigation, farmers are requested to cover the surface soil by applying farmyard manure, plant residues, coconut / palm / areca nut leaves, coconut husk, composted coir pith, grow multi grains around the tree and in-between the rows of plants.
Vegetable crops	Flowering and Fruiting stage.	Vegetables growers are requested to give foliar spraying with vegetable booster @ 3 – 5 g / litre of water at flowering and fruiting stage.
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.






Karaikal

Agro Advisory

Crop/livestock	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.
	Maximum tillering Stage	To manage rice leaf folder release Trichogramma chilonis 5cc (1,00,000/ha) at 37, 44, 51 days 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.
Cotton	Maturity 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 the next few days.

Puducherry

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 <i>Bacillus subtilis</i> as a soil application @ 2.5 kg/ha mixed with 50 kg of FYM (or) Prepare raised nurserybeds and avoid stagnation of water.
Chilli	Nursery stage	Prevailing weather condition may cause Damping Off in chilli field crops to treat the seeds with <i>Trichoderma viride</i> @ 4 g / kg or <i>Pseudomonas fluorescens</i> @ 10 g /kg of seeds treat with 24 hours before sowing.
Tapioca 	Vegetative stage	To control mealy bug in tapioca, Release of mealy bug parasitoid (<i>Anagyrus lopezi</i>) @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.
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: Blend ingredients to form a reddish paste. Application: 1. Make a handful of paste by adding 150-200ml of water. 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.

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 23.08.2023 and 24.08.2023. Light to moderate rain is likely to occur at a few places from 25.08.2023 to 27.08.2023. To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely.

Horticulture(Varieties)	Horticulture Specific Advisory
BRINJAL	There are possibilities of damping off infestation in brinjal nursery field. For management farmers are advised to apply Bacillus subtilis as a soil application @ 2.5 kg/ha mixed with 50 kg of FYM (or) Prepare raised nursery beds and avoid stagnation of water.
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.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	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: 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.

Bahour, Mannadipet and Nettapakkam Blocks

Light to Moderate rain with thunderstorms & lightning is likely to occur in one or two places on 23.08.2023 and 27.08.2023. To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely.

Horticulture(Varieties)	Horticulture Specific Advisory
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.

TAPIOCA	To control mealy bug in tapioca, Release of mealy bug parasitoid (Anagyrus lopezi) @200 - 250 Nos./acre.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	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: 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.

