



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

DISTRICT LEVEL

Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 045/2023

For the period 0830 IST, 06th June 2023 to
0830 IST, 11th June 2023

Issued on Tuesday, 06th June 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 02.06.23 to 05.06.23 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range 33°C – 43°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 21°C – 24°C during the period.

Minimum temperature of range 24°C - 31°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 10°C - 14°C during the same period.

Spatial distribution of Rainfall

Spatial distribution of Rainfall	Date	Area
Widespread (Most places)	--	--
Fairly widespread (Many places)	--	--
Scattered (Few Places)	--	--
Isolated (One or Two Places)	02.06.23, 03.06.23, 04.06.23 & 05.06.23	Tamil Nadu
Dry	02.06.23, 03.06.23, 04.06.23 & 05.06.23	Puducherry

Chief Amounts of Rainfall (in cms):-

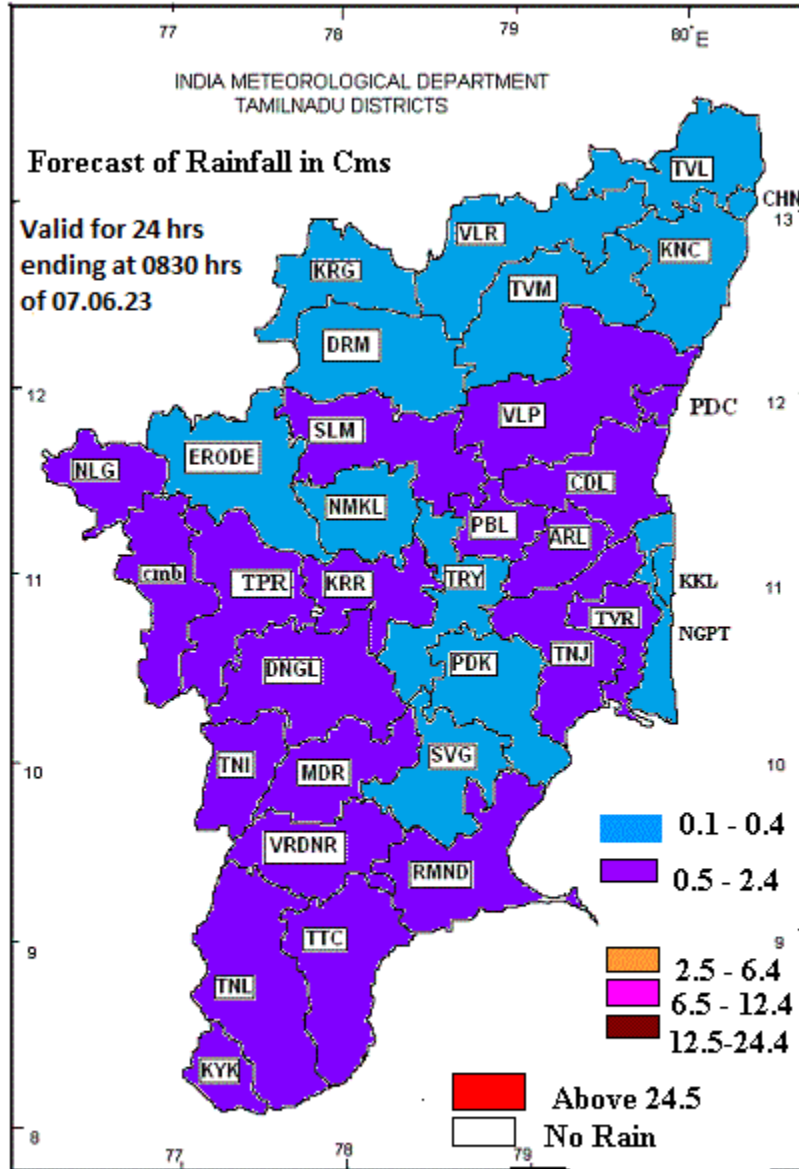
02.06.23 : Shoolagiri (dist Krishnagiri) 4, Ranipet (dist Ranipet), Karur, Chinnar Dam (dist Krishnagiri) 3 each, Eraiyur (dist Perambalur), Labbaikudikadu (dist Perambalur), Ariyalur, Danishpet (dist Salem), Uthangarai (dist Krishnagiri), Ketti (dist Nilgiris), Thiruvallangadu (dist Tiruvallur), Kancheepuram 2 each, Arcot (dist Ranipet), Uthagamandalam (dist Nilgiris), Vepur (dist Cuddalore), Puthu Vettakudi (dist Perambalur), Tozhudur (dist Cuddalore), Yercaud (dist Salem), Melalathur (dist Vellore), Rscl-2 Koliyanur (dist Villupuram) 1 each.

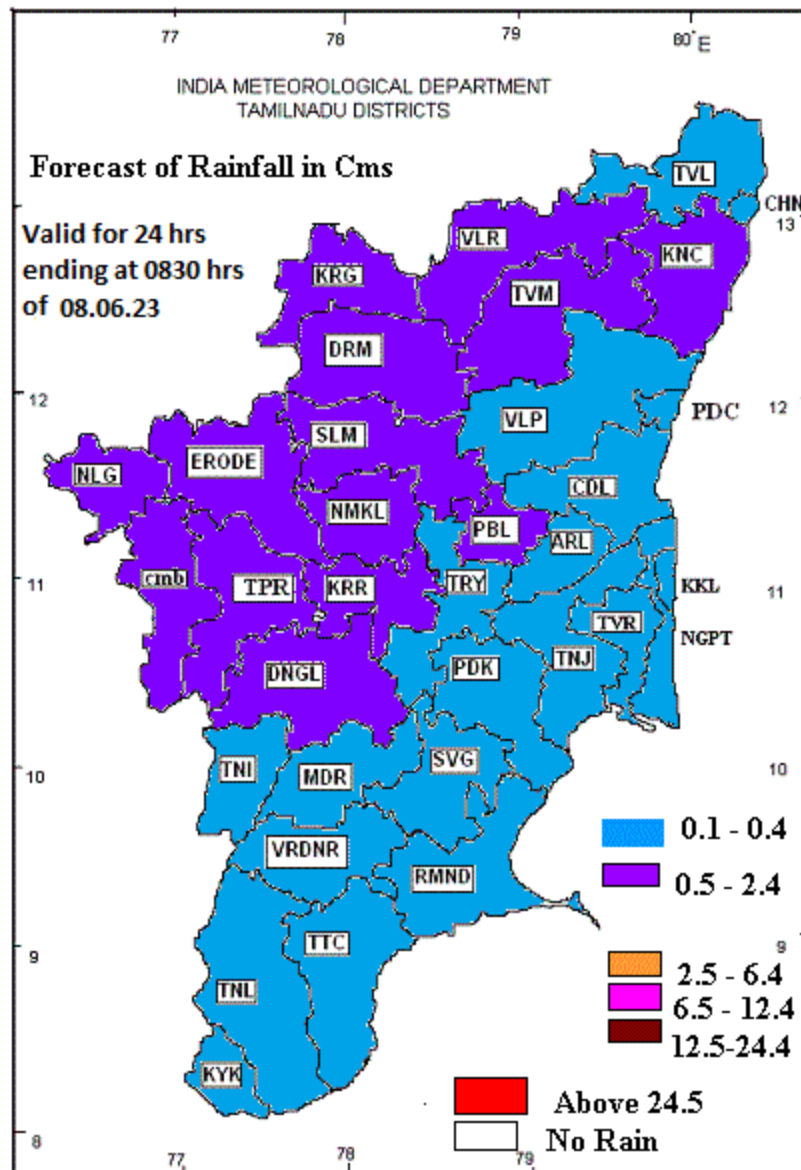
03.06.23 : Taluk Office Pandalur (dist Nilgiris) 5, PWD (dist Tiruppur), Kancheepuram taluk office (dist Kancheepuram) 4 each, Barwood (dist Nilgiris), Naduvattam (dist Nilgiris), Gingee (dist Villupuram) 3 each, Uthiramerur (dist Kancheepuram), Thiruvallangadu (dist Tiruvallur), Chetpet (dist Tiruvannamalai), Uthukuli (dist Tiruppur), Coimbatore South (dist Coimbatore), Cheyyar (dist Tiruvannamalai) 2 each, Valathy (dist Villupuram), Poondi (dist Tiruvallur), Sulur (dist Coimbatore), Tiruppur (dist Tiruppur), Vembakkam (dist tiruvannamalai), Valparai PTO (dist Coimbatore), Devala (dist Nilgiris), TNAU Coimbatore (dist Coimbatore) 1 each

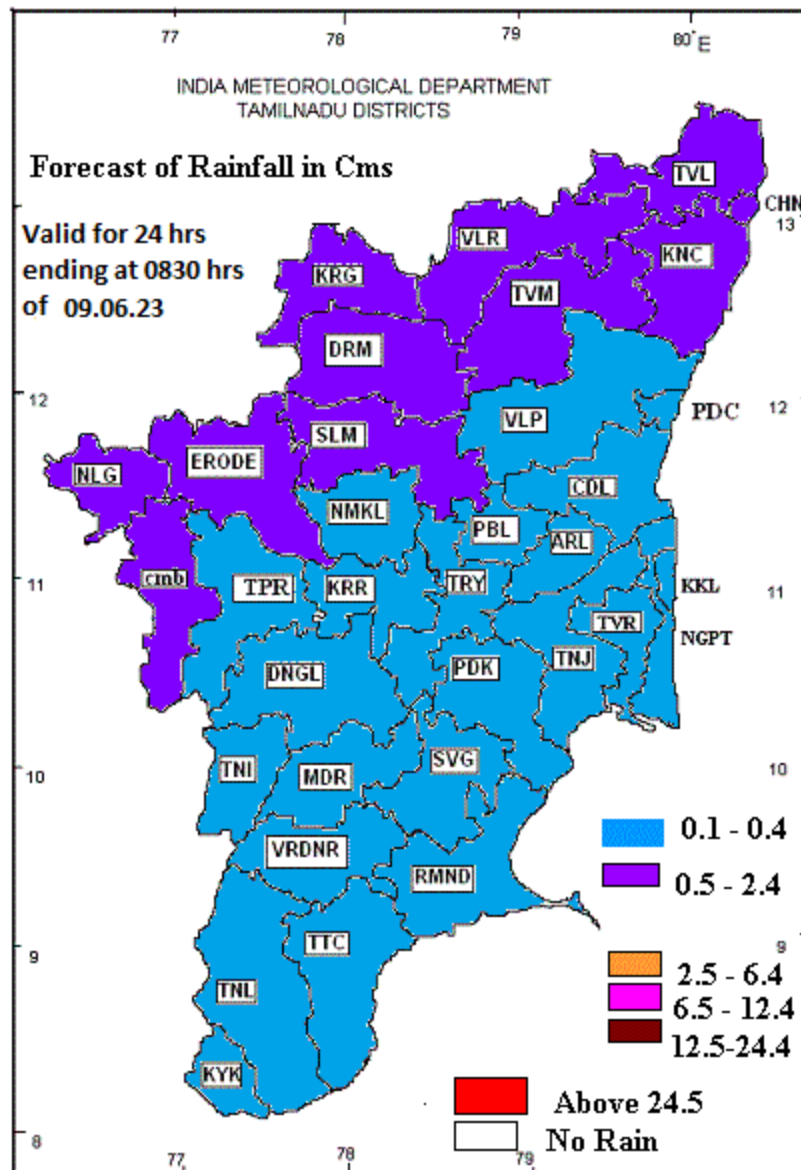
04.06.23 : Perundurai (dist Erode) 5, Hogenekal (dist Dharmapuri) 4, Bhavani (dist Erode), Edapadi (dist Salem), Ammapettai (dist Erode), Pilavakkal (dist Virudhunagar), Chennimalai (dist Erode) 3 each, Kumarapalayam (dist Namakkal), Eraniel (dist Kanyakumari), Pennagaram (dist Dharmapuri), Thammampatty (dist Salem), Omalur (dist Salem) 2 each, Colachel (dist Kanyakumari), Manapparai (dist Trichy), Tiruppur South (dist Tiruppur), Thaluthalai (dist Perambalur), Natham (dist Dindigul), Adar Estate (dist Nilgiris), Namakkal Collectorate (dist Namakkal), Uthukuli (dist Tiruppur) 1 each.

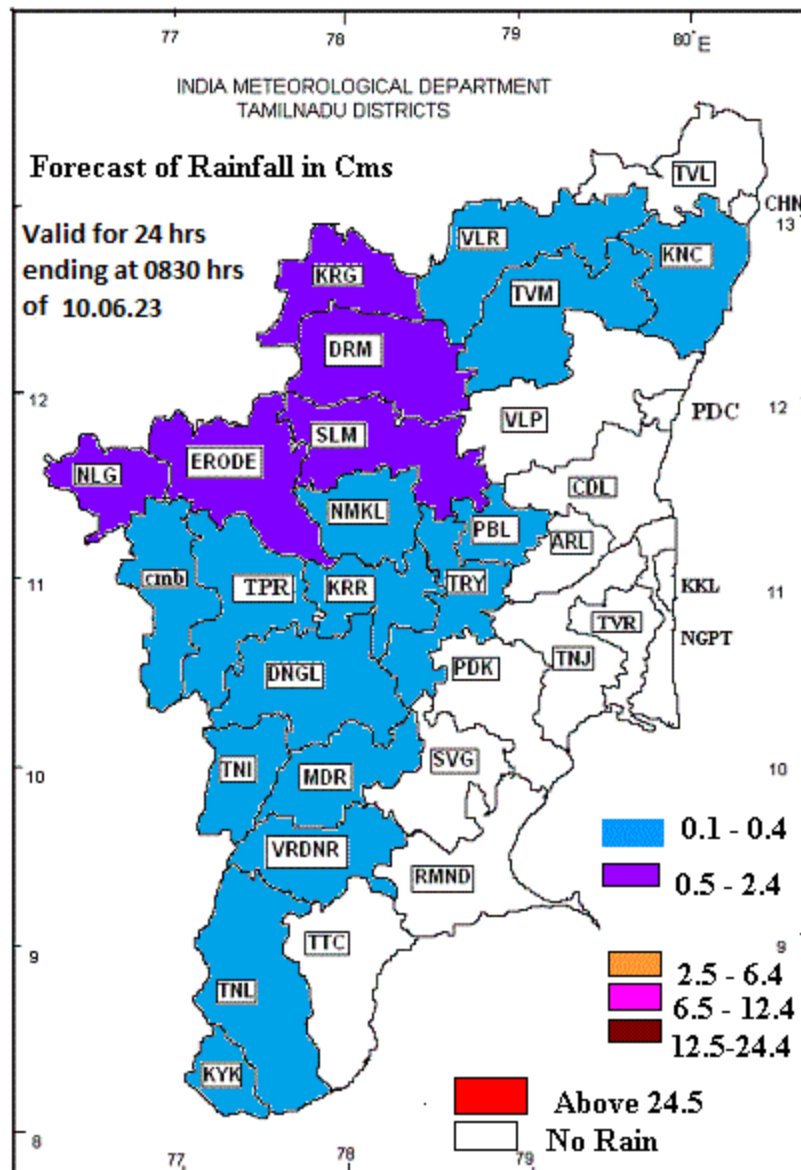
05.06.23 : Tirupathur (dist Sivaganga) 4, Vellakoil (dist Tiruppur), Avinasi (dist Tiruppur), Usilampatti (dist Madurai), Annavasal (dist Pudukkottai), Sivaganga (dist Sivaganga) 3 each, Aruppukottai (dist Virudhunagar), Manamadurai (dist Sivaganga), Illuppur (dist Pudukkottai) 2 each, Gangavalli (dist Salem), Padalur (dist Perambalur), Nilakottai (dist Dindigul), Aravakurichi (dist Karur), Uthukuli (dist Tiruppur), Musiri (dist Trichy), Vattamalai Reservoir (dist Tiruppur), Uthagamandalam (dist Nilgiris) 1 each.

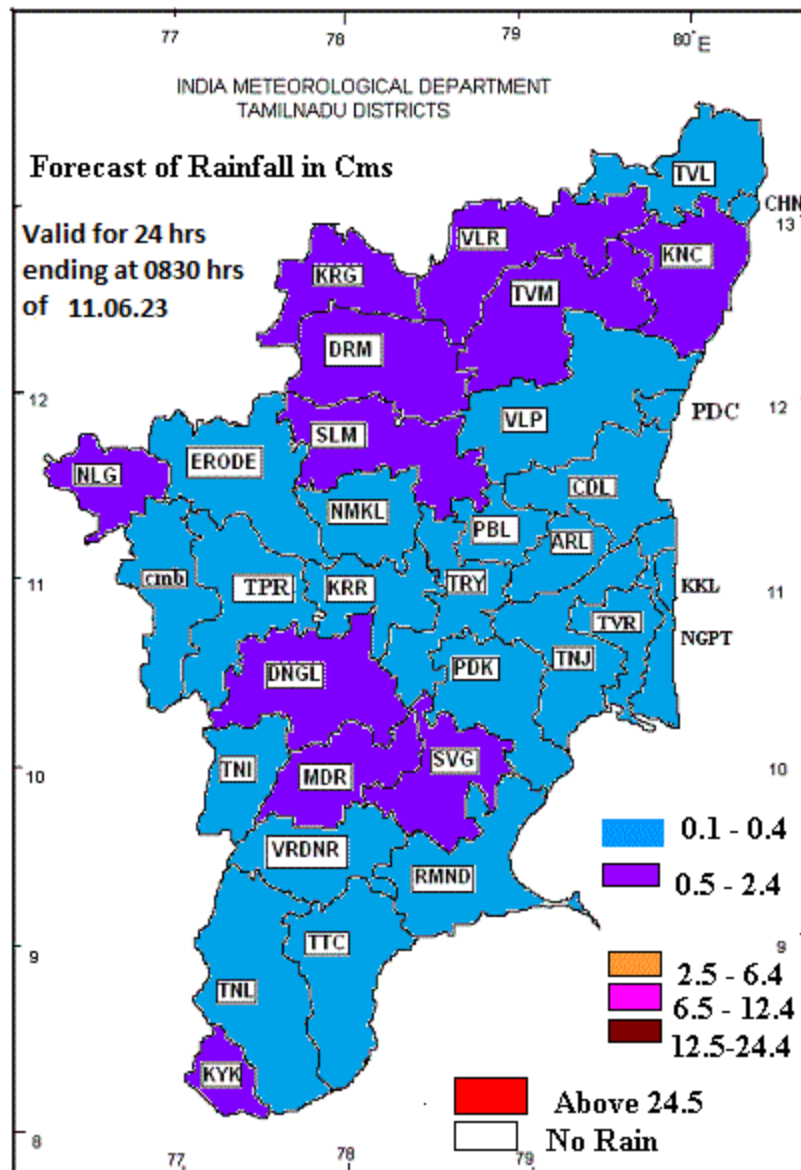
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 06.06.23
VALID FOR THE NEXT 5 DAYS**











District-wise Agromet Advisories

Chennai

SMS Advisory:

(07.06.2023-08.06.2023) Heatwave conditions is likely to prevail at isolated pockets over Tamilnadu.

Livestock Advisory

- 1.Accidental grazing of new shoots of sorghum fodder may lead to HCN poisoning and death, hence farmers are advised to take precautionary measures
- 2.Small ruminants overfed with excessive grain feed are at the edge of procuring Enterotoxaemia, hence precautionary measures should be taken
- 3.The drainage system in cattle shed must be open and blockage free with access to easy cleaning to prevent fly breeding.
- 4.To prevent E.coli infection in nursery piggery shed the floor must be washed with luke warm saline / good irritant free disinfectant atleast weekly once.
- 5.Native poultry reared under integrated method incase infested with lice, must be given medicated bath. A sponge dipped in one ml of butox mixed in one litre of water could be rubbed all over the boy on a bright sunny day. Care must be exercised to avoid eyes ear lobe and mouth.

Kancheepuram

SMS Advisory:

(07.06.2023-08.06.2023) Heatwave conditions is likely to prevail at isolated pockets over Tamilnadu.

Livestock Advisory

- 1.Accidental grazing of new shoots of sorghum fodder may lead to HCN poisoning and death, hence farmers are advised to take precautionary measures
- 2.Small ruminants overfed with excessive grain feed are at the edge of procuring Enterotoxaemia, hence precautionary measures should be taken
- 3.The drainage system in cattle shed must be open and blockage free with access to easy cleaning to prevent fly breeding.
- 4.To prevent E.coli infection in nursery piggery shed the floor must be washed with luke warm saline / good irritant free disinfectant atleast weekly once.
- 5.Native poultry reared under integrated method incase infested with lice, must be given medicated bath. A sponge dipped in one ml of butox mixed in one litre of water could be rubbed all over the boy on a bright sunny day. Care must be exercised to avoid eyes ear lobe and mouth.

Agricultural advisory Rice:

Farmers are advised to create proper drainage facility to drain the excess stagnating water in the fields.

Sugarcane:

Farmers are advised to detrash the sugar cane and advised to go for double line propping with trash twist.

Villupuram

SMS Advisory:

(07.06.2023-08.06.2023) Heatwave conditions is likely to prevail at isolated pockets over Tamilnadu.

Livestock Advisory

1. Accidental grazing of new shoots of sorghum fodder may lead to HCN poisoning and death, hence farmers are advised to take precautionary measures
2. Small ruminants overfed with excessive grain feed are at the edge of procuring Enterotoxaemia, hence precautionary measures should be taken
3. The drainage system in cattle shed must be open and blockage free with access to easy cleaning to prevent fly breeding.
4. To prevent E.coli infection in nursery piggery shed the floor must be washed with luke warm saline / good irritant free disinfectant atleast weekly once.
5. Native poultry reared under integrated method incase infested with lice, must be given medicated bath. A sponge dipped in one ml of butox mixed in one litre of water could be rubbed all over the boy on a bright sunny day. Care must be exercised to avoid eyes ear lobe and mouth.

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. 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 + imidaclopride 40ml/ac or pymetrozine 120 g/ac with wetting agent.

Coconut:

Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. 2. Encourage buildup 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.

Tiruvannamalai

SMS Advisory:

(07.06.2023-08.06.2023) Heatwave conditions is likely to prevail at isolated pockets over Tamilnadu.

Livestock Advisory

1. Accidental grazing of new shoots of sorghum fodder may lead to HCN poisoning and death, hence farmers are advised to take precautionary measures
2. Small ruminants overfed with excessive grain feed are at the edge of procuring Enterotoxaemia, hence precautionary measures should be taken
3. The drainage system in cattle shed must be open and blockage free with access to easy cleaning to prevent fly breeding.
4. To prevent E.coli infection in nursery piggery shed the floor must be washed with luke warm saline / good irritant free disinfectant atleast weekly once.
5. Native poultry reared under integrated method incase infested with lice, must be given medicated bath. A sponge dipped in one ml of butox mixed in one litre of water could be rubbed all over the boy on a bright sunny day. Care must be exercised to avoid eyes ear lobe and mouth.

Agricultural advisory

Rice:

Treat the paddy seeds in Carbendazim or Pyroquilon or Tricyclozole at 2 g/litre of water for 1 kg of seeds. Soak the seeds for 8-10 hrs and drain excess water. This wet seed treatment gives protection to the seedlings up to 40 days from seed borne diseases. If the seeds are required for sowing immediately, keep the soaked seed in gunny in dark and cover with extra gunnies and leave for 24hrs for sprouting.

Suitable for Sornavari season (Apr-May) paddy varieties: ADT-36,37,43,45, 56 and CO-51, CO- 57, TPS-5, TRY-5 and ASD-21.

Groundnut:

Treat the groundnut seeds with Trichoderma @ 4g/kg just before sowing.

Suitable for Vaikasi pattam (May-June) groundnut varieties: VRI-10, TMV-10,14 and TMVG- 13.

Coconut:

In new coconut plantings the hybrids Dwarf × Tall or Tall × Dwarf may be used.

Mango:

The mango crop harvesting is in progress. The fruit may be harvested with 1cm stalk to avoid flow of latex.

The fruits may be treated with 2ml /lit Ethrel along with few sodium hydroxide pellets for uniform ripening and color development.

Tiruvallur

From extended range forecast Above normal rainfall and Normal maximum temperature and minimum temperature expected for the period of 11.06.2023 to 17.06.2023 over Tamil Nadu. Very light to light rainfall may be expected from 07th, 08th, 09th and 11th June, it is recommended to complete the spraying and fertilizer application during non-rainy hours in crops field.

Crop(Varieties)	Crop Specific Advisory
RICE	1. Very light to light rainfall may be expected from 07th, 08th, 09th and 11th June, it is advisable to sow short duration rice in the nursery. 2.Before sowing, it is recommended to treat the seeds with either carbendazim at a rate of 2 g/kg of seeds or Pseudomonas at a rate of 10 g/kg of seeds; 3. Due to Very light to light rainfall weather condition may cause Thrips occurrence in paddy field, to manage spray thiamethoxam 25% WG 100 g/ha; 4 .Stem bore- Spray Azadirachtin 0.03% 400 ml (Or) Flubendiamide 20% WG 50g per acre in 200 litres of water; 5. In areas with limited water resources, it is crucial to conserve and manage water effectively. Implement water-saving techniques such as alternate wetting and drying (AWD) or system of rice intensification (SRI) to optimize water use efficiency in rice cultivation.
SUGARCANE	Mulch the ridges uniformly with cane trash which would helps to conserves moisture, reduce weed population and minimise shoot borer incidence
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Due to the possibility of lightning and thunder during very light to light rainfall may be expected from 07th, 08th, 09th and 11th June, please ensure the safety of the animals by securing them inside the cattle shed; 2. To reduce heat stress in animals due to increasing temperatures, it is advised to cover the roof of the animal shed with coconut leaves or paddy straws or spray cold water. This measure helps in providing shade and cooling effects, thus mitigating the impact of high temperatures on the animals.
Poultry(Varieties)	Poultry Specific Advisory

CHICKEN	To overcome heat stress, farmers are advised to decrease the bird density in a unit area of the poultry shed. This measure helps to reduce the heat load on the birds, allowing for better heat dissipation and minimizing the negative effects of high temperatures.
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Based on rainfall forecasts and actual rainfall received, provide irrigation to crop
RAIN WATER HARVESTING	1. Harvest the run off rain water in farm ponds or any suitable structures to improve the ground water table; 2. It is recommended to undertake measures to strengthen the basins in order to improve rainwater harvesting efficiency in guava and mango crop.

Vellore

As per the IMD extended range forecast (ERF), above normal rainfall and normal temperature is likely over Tamil Nadu and Puducherry during 11th to 17th June 2023. The new horticultural crop varieties viz; Vietnam early jack, Thailand guava may be introduced. Light to moderate rainfall is expected on forthcoming days. The vegetable crops may be affected due to continuous rainfall. So, provide adequate drainage.

Crop(Varieties)	Crop Specific Advisory
RICE	Due to prevailing weather condition, thrips, leaf folder and stem borer incidence was observed in rice field. The symptom of thrips damage leaf shows discoloration and rolling, yellow or silvery streaks on the leaves of young seedlings and leaf tips wither off. For thrips management, spray azadirachtin 0.15% @600-1000 ml/acre or thiamethoxam 25 WG @40g/acre. To control leaf folder and stem borer incidence, apply fipronil 80% WG 20-25 g/acre.
GROUNDNUT	Suitable for Vaikasi pattam (May-June) groundnut varieties: VRI-10, TMV-10,14 and TMVG-13. Treat the groundnut seeds with Trichoderma @ 4g/kg just before sowing. Leaf minor incidence was observed in groundnut field. The symptom of damage, young larvae initially mine into the leaflets, feed on the mesophyll and form small brown blotches on the leaf. Later stages larvae web the leaflets together and feed on them, remaining within the folds. Severely attacked field looks "burnt" from a distance. To control this, set up light trap@ 5/acre or spray methyl demeton 25 EC 400ml/acre.
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	The coconut tree basins may be sown with sunhemp in the onset of monsoon and incorporated at flowering stage.
MANGO	The mango crop harvesting is in progress. The fruit may be harvested with 1cm stalk to avoid flow of latex. The fruits may be treated with 2ml /lit Ethrel along with few sodium hydroxide pellets for uniform ripening and color development.
BANANA	High wind speed (>10 kmph) is expected on forthcoming days, so prop up 5 month old banana trees.

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Give concentrate feed @ 1.0 kg per 2.5 litre of milk production. Also give 3.0 kg tree fodder, 1 kg of Azolla and 30 kg green fodder per day for sustainable milk production and milk fat production.
GOAT	Provide deworming medicine and anti-diarrhoea medicine in consultation with veterinarian.

Cuddalore

From extended range forecast above normal rainfall, minimum temperature and maximum temperature expected for the period of 11.06.2023 to 17.06.2023 over Tamil Nadu. Light rainfall will be expected in the forthcoming days, so farmers are advised to irrigate crop based on the soil moisture.

Crop(Varieties)	Crop Specific Advisory
RICE	1. Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 25% WG 100 g/ha or dimethoate 1.5ml/l. 2. Due to prevailing weather condition 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 + imidaclopride 40 ml/ac or pymetrozine 120 g/ac with wetting agent.
RICE	In paddy field black bug infestation is seen in some part of Cuddalore district. The bug sucks the sap from the base of the tillers, as a result the plants are giving "bug burn" symptoms. The earheads become chaffy. The following integrated to manage the black bug. Establish light traps to attract matured bugs. Flood the fields to kill eggs and young ones. The stubbles remaining in the field after harvest should be ploughed in situ to kill eggs of young ones. If the infestation exceeds economic threshold level (5 bugs/hill) spray acephate 625 g/ha or neem seed kernel extract 5 %. Avoid paddy cultivation with same varieties year after year.
GROUNDNUT	Groundnut growing farmers reduce the root rot infection treat the seeds with carbendazim @ 2.0 g/kg of seed 24 hours before sowing (or) Trichoderma viride @ 4.0 g/kg of seed (or) bacillus subtilis @ 10 g/kg seed.
SUGARCANE	1. Mealy bug and pokkahboeng infection identified in sugarcane crop. Mealy bug affect growth of plants and pokkahboeng cause death of young spindles of sugarcane crop. To control spray imidacloprid 17.8 SL 0.6 ml/l or carbendazim 1.0 g/l. 2. Due to prevailing weather condition changes of sugarcane early shoot borer infection. To control spray chlorantraniliprole 18.5 SC (0.5 ml/l) or fipronil 5 % SC (2.0 ml/l).
Horticulture(Varieties)	Horticulture Specific Advisory

COCONUT	1. Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. 2. Encourage buildup 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.
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Coimbatore

Agro Advisory

Crop	Stage	Advisory
General		Light rainfall is expected with wind speed of 8 - 14 km/hr in Western zone during next five days. Normally convectional rainfall associated with lightning and thunderstorm.
Rice	Nursery	By utilizing received rainfall, in command areas where rice is grown during August, green manure crops like daincha or sun hemp may be grown and insitu ploughed @ 45 days after sowing. Considering the rainfall, transplanting may be continued main field with proper drainage. Keep 2 cm water during the evening and drain in the morning to avoid seedling drift due to splashing rain.
Pulses		Due to increase in temperature, sucking pests are observed in pulses and vegetables grown in non-rainy areas. Spray Imidachloprid pesticide @ 40 ml/ acre.
Sugarcane	Vegetative	Since rainfall with squally wind is expected, dethrash and propping in five months old sugarcane crop is recommended against the lodging. Late season sugarcane planting can be continued and if already planted, gap filling may be done.
Banana	Above 5 months old	Light rain fall with 8-14 km/hour wind speed may cause lodging in banana. Providing support to five months and above old banana.
Turmeric	Planting	By utilizing the rainfall, planting of turmeric may be done with drainage facilities. Based on soil moisture provide irrigation. Before planting, turmeric rhizome may be treated with Pseudomonos @ 2gm /liter of water to avoid diseases.
Coconut		Conserve the expected rainfall by providing basin in coconut farms. Apply fertilizer for the coconut trees more than 5 years @ 650 g urea, 1 kg super phosphate, 1 kg potash per tree. Also apply 250 g of micro nutrient per tree and don't mix micro nutrient with soil.
Animal		Do not allow the animals to graze on newly grown grasses, due to the receipt of last week rain.

SMS advisory

Light rainfall with 6 - 14 km/hour wind speed may cause lodging in banana. Providing support to five months and above old banana.

Erode

Agro Advisory

Crop	Stage	Advisory
General		Light rainfall is expected with wind speed of 8 - 14 km/hr in Western zone during next five days. Normally convectional rainfall associated with lightning and thunderstorm.
Rice	Nursery	By utilizing received rainfall, in command areas where rice is grown during August, green manure crops like daincha or sun hemp may be grown and insitu ploughed @ 45 days after sowing. Considering the rainfall, transplanting may be continued main field with proper drainage. Keep 2 cm water during the evening and drain in the morning to avoid seedling drift due to splashing rain.
Cumbu	Flowering	Present weather is favourable for ergot (sugary disease) and Leaf rust in cumbu. Spray carbendazim @ 1 g/ lit for Ergot and mancozeb @ 2 g/ lit for leaf rust.
Pulses		Due to increase in temperature, sucking pests are observed in pulses and vegetables grown in non-rainy areas. Spray Imidachloprid pesticide @ 40 ml/ acre.
Sugarcane	Vegetative	Since rainfall with squally wind is expected, dethrash and propping in five months old sugarcane crop is recommended against the lodging. Late season sugarcane planting can be continued and if already planted, gap filling may be done.
Banana	Above 5 months old	Light rain fall with 8-14 km/hour wind speed may cause lodging in banana. Providing support to five months and above old banana.
Turmeric	Planting	By utilizing the rainfall, planting of turmeric may be done with drainage facilities. Based on soil moisture provide irrigation. Before planting, turmeric rhizome may be treated with Pseudomonos @ 2gm / liter of water to avoid diseases.
Animal		Do not allow the animals to graze on newly grown grasses, due to the receipt of last week rain.

SMS advisory

Light rainfall with 6 - 14 km/hour wind speed may cause lodging in banana. Providing support to five months and above old banana.

Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		Light rainfall is expected with wind speed of 8 - 14 km/hr in Western zone during next five days. Normally convectional rainfall associated with lightning and thunderstorm.

Cumbu	Flowering	Present weather is favourable for ergot (sugary disease) and Leaf rust in cumbu. Spray carbendazim @ 1 g/ lit for Ergot and mancozeb @ 2 g/ lit for leaf rust.
Pulses		Due to increase in temperature, sucking pests are observed in pulses and vegetables grown in non-rainy areas. Spray Imidachloprid pesticide @ 40 ml/ acre.
Sugarcane	Vegetative	Since rainfall with squally wind is expected, dethrash and propping in five months old sugarcane crop is recommended against the lodging. Late season sugarcane planting can be continued and if already planted, gap filling may be done.
Banana	Above 5 months old	Light rain fall with 8-14 km/hour wind speed may cause lodging in banana. Providing support to five months and above old banana.
Animal		Do not allow the animals to graze on newly grown grasses, due to the receipt of last week rain.

SMS advisory

Light rainfall with 6 - 14 km/hour wind speed may cause lodging in banana. Providing support to five months and above old banana.

Nilgiris

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. To manage Red spider mite, Pinkmite, scarlet mite in tea crop, foliar application of Azadirachtin 1.0% EC (neem based) 2.0 ml/lit or propargite 57 % EC 2.0 ml/lit is recommended.

Horticulture(Varieties)	Horticulture Specific Advisory
BLACK PEPPER	To manage Slow wilt in pepper, soil drenching of copper oxychloride @ 0.2 % or potassium phosphonate @ 0.3% or metalaxyl @ 0.1 % is recommended.

Nilgiris Block level

Coonoor, Gudalur, Kotagiri and Ooty Blocks

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. To manage Red spider mite, Pinkmite, scarlet mite in tea crop, foliar application of Azadirachtin 1.0% EC (neem based) 2.0 ml/lit or propargite 57 % EC 2.0 ml/lit is recommended.

Horticulture(Varieties)	Horticulture Specific Advisory
BLACK PEPPER	To manage Slow wilt in pepper, soil drenching of copper oxychloride @ 0.2 % or potassium phosphonate @ 0.3% or metalaxyl @ 0.1 % is recommended.

Ariyalur, Karur, Nagapattinam, Perambalur, Thanjavur and Tiruvarur

Agro Advisory

Crop	Stage	Advisory
General		Postpone/avoid irrigation to all crops depending upon rain condition.
Rice	Nursery	For kuruvai nursery, an area of 20 cents can be allotted for planting 1 ha with the application of FYM or compost @ 1 ton. For clay soil, 4 kg gypsum and 1 kg DAP/cent can be applied 10 days prior to pulling out of seedlings to avoid root snapping.
Rice	Main field	Application of 10 kg zinc sulphate and 200 kg gypsum per acre is recommended at the time of transplanting, in addition to the recommended dose of nitrogen, Phosphorus and Potassium.
Cattle	Cow	Highly reflective aluminum roofs may be provided to cattle shed to reduce the heat stress to the cattle underneath.

SMS advisory

Postpone/avoid irrigation to all crops depending upon rain condition.

Tiruchirapalli

Tamilnadu's average rainfall is likely to be increase than the normal during this week (07.06.2023 to 13.06.2023) From 2.08 mm to 2.15 mm. To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely.

Crop(Varieties)	Crop Specific Advisory
RICE	To control mealy bug in paddy, Spray methyl demeton 25% EC 1000 ml/ha.
COTTON	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.
SORGHUM (JOWAR/GREAT MILLET)	Due to prevailing weather the Aphids infestation may occur in sorghum. To control Aphids Spray Dimethoate 30EC 500 ml/ha.
MAIZE	Due to prevailing weather the downy mildew incidence may occur in maize. To control downy mildew, Spray mancozeb 1 kg/ha at 20 days after sowing.
GROUNDNUT	Groundnut- Aphids- Spray dimethaoate 30% EC 200 ml per acre in 200 litres of water.
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.
BANANA	Light to heavy rainfall with wind will expected in forthcoming days so farmers are advised to save the banana crop by using stacking method with casuarina poles.
CHILLI	Due to prevailing weather the Thrips incidence may occur in Chillies. To control, Spray Imidacloprid 17.8 SL 3 ml/10 litre.
COCONUT	To control & decreases the button shedding in coconut, Give root feeding of the coconut tonic @ 200 ml/palm at 6 months interval.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Due to rain fall event cattle shed and cow penning areas probably in moist condition. So kindly keep the cattle shed in dry condition and use disinfectant like lime.

Tiruchirapalli Block level

Andanallur, Lalgudi, Manachanellur, Manapparai, Manikandam, Marungapuri, Musiri, Pullambadi, Tattayangarpettai, Thiruverambur, Thottiam, Turaiyur, Uppiliapuram & Vaiyampatti Blocks

Tamilnadu's average rainfall is likely to be increase than the normal during this week (07.06.2023 to 13.06.2023) From 2.08 mm to 2.15 mm. To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely.

Crop(Varieties)	Crop Specific Advisory
RICE	To control mealy bug in paddy, Spray methyl demeton 25% EC 1000 ml/ha.
COTTON	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.
SORGHUM (JOWAR/GREAT MILLET)	Due to prevailing weather the Aphids infestation may occur in sorghum. To control Aphids Spray Dimethoate 30EC 500 ml/ha.
MAIZE	Due to prevailing weather the downy mildew incidence may occur in maize. To control downy mildew, Spray mancozeb 1 kg/ha at 20 days after sowing.
GROUNDNUT	Groundnut- Aphids- Spray dimethaoate 30% EC 200 ml per acre in 200 litres of water.

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.
BANANA	Light to heavy rainfall with wind will expected in forthcoming days so farmers are advised to save the banana crop by using stacking method with casuarina poles.
COCONUT	To control & decreases the button shedding in coconut, Give root feeding of the coconut tonic @ 200 ml/palm at 6 months interval.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Due to rain fall event cattle shed and cow penning areas probably in moist condition. So kindly keep the cattle shed in dry condition and use disinfectant like lime.

Virudhunagar

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	As southwest monsoon gets advance, chance for rainfall in coming week. Farmers are requested to postpone the irrigation. However, if the location fails to receive rainfall farmers are advised to irrigate based on the crop need.
Rainfall	Ploughing	In order to store the unexpected summer rainfall for moisture conservation, farmers are requested to go ploughing.
	Harvest	Horticultural crops viz., fruits and vegetables are requested to be harvested.
Cotton	Vegetative to square formation stage	Inter cultivation like earthing up operations is advised to hold the rainfall for crop use. Farmers were advised to spray TNAU COTTON PLUS booster @ 2.5 kg / acre and add adequate quantity of wetting agent with Spray volume of 200 litres at Flowering and boll formation stage to reduces flower and square shedding
Sugarcane	Vegetative to tillering stage	Very light to light rainfall is expected; hence farmers are requested to remove the water shoots which affects the growth of adjacent statics. To avoid lodging of cane, propping and Earthing-up operation may be practiced. Mulch the ridges uniformly with cane trash to a thickness of 10 cm to conserve the rain water.
Sesame	Vegetative stage	Seasonal pest incidence such as leaf webber/ roller and capsule borer is noticed Symptoms of damage: 1. The young larvae roll together a few top leaves and feed them 2. In the early stage of infestation, the plant dies without producing any branch or shoot 3. In later stage of attack, infested shoots stop growing 4. At flowering, larvae feed inside the flowers and on capsule formation, larvae bore into capsule and feed on developing seeds Management:

		<p>Two sprayings with neem formulation 0.03%</p> <p>Spray any one of the following:</p> <ol style="list-style-type: none"> 1. Neem seed kernels extract 5% 2. Neem oil 2% (two rounds)
Groundnut (rainfed/ irrigated)	Sowing	<p>As rainfall is expected, farmers may be prepared for sowing with quality seed. Under irrigated farmers may sow the seed.</p>
Citrus		<p>warm condition help to transmit the Citrus greening/Yellow dragon disease bacteria</p> <p>Symptoms:</p> <ul style="list-style-type: none"> • Asymmetrical mottling of the leaves • Yellowing of midribs • Decline and Dieback of entire canopy • Lopsided fruits and productions of aborted seeds • Fruits is small, fruit production is reduced • Fruit drops prematurely <p>Management:</p> <ul style="list-style-type: none"> • Control psyllids with insecticides • Use pathogen free bud wood for propagation • Fortnightly application of tetracyclin @ 500ppm
Coconut	All stages	<p>Present weather favor Rhinoceros beetle incidence. Symptom with central spindle appears cut or toppled, fully opened fronds showing characteristic diamond shaped cuttings and Holes with chewed fibre sticking out at the base of central spindle</p> <p>Management</p> <ul style="list-style-type: none"> • Collect and destroy the various bio-stages of the beetle from the manure pits (breeding ground of the pest) whenever manure is lifted from the pits. • Soak castor cake at 1 kg in 5 l of water in small mud pots and keep them in the coconut gardens to attract and kill the adults. • Examine the crowns of tree at every harvest and hook out and kill the adults. • For seedlings, apply 3 naphthalene balls/palm weighing 3.5 g each at the base of inter space in leaf sheath in the 3 inner most leaves of the crown once in 45 days. • Set up light traps following the first rains in summer and monsoon to attract and kill the adult beetles. • Apply mixture of either neem seed powder + sand (1:2) @150 g per palm or neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown • Set up rhinolure pheromone trap @ 1/ 2 ha to trap and kill the beetle.
Livestock	Sheep	<p>Enterotoxaemia: Serious bacterial disease of Sheep and goats causes high mortality in young lambs. Incidence is more common after rainy season.</p> <p>Clinical signs: 1.Sudden death in young lambs. 2. Affected animals show Anorexia, breathing difficulty, abdominal pain. Diarrhea and convulsions before death.</p> <p>Prevention: Regular annual vaccination should be followed prior to rainy season. Young lambs should be vaccinated at the age of 6 weeks.</p> <p>Treatment: Treating the affected animals at early stage with suitable antibiotics</p>

will reduce the death rate.
Control: Restrict the animals (young lambs) to graze on immature succulent grass /pasture lands which are available plenty after rainy season.

SMS: Rain: 7-11.06- 8,4,3,2&4 mm. Post pone the Irrigation. Summer ploughing may be practiced.
Sugarcane- earthing up and propping. Groundnut (irrigated)- sowing may be done.

Tamil Nadu		
A cyclonic circulation lies over south Tamilnadu & neighbourhood at 5.8 km above mean sea level.		
Next five days	Weather warning	Light to moderate rain with thunderstorm & lightning is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area on Day 1 (07.06.23) & Day 2 (08.06.23). Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area from Day 3 (09.06.23) to Day 5 (11.06.23).

Tirunelveli

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	As southwest monsoon gets advance, chance for rainfall in coming week. Farmers are requested to postpone the irrigation. However, if the location fails to receive irrigate based on the crop need.
Rainfall	Ploughing	In order to store the unexpected summer rainfall for moisture conservation, farmers are requested to go ploughing.
	Harvest	Horticultural crops viz., fruits and vegetables are requested to be harvested.
Paddy	Nursery and Vegetative	if dry spell continues farmers are advised for nutrient spray.
Cotton	Vegetative to square formation stage	Inter cultivation like earthing up operations is advised to hold the rainfall for crop use. Farmers were advised to spray TNAU COTTON PLUS booster @ 2.5 kg / acre and add adequate quantity of wetting agent with Spray volume of 200 litres at Flowering and boll formation stage to reduces flower and square shedding
Sugarcane	Vegetative to tillering stage	Very light to light rainfall is expected; hence farmers are requested to remove the water shoots which affects the growth of adjacent statics. To avoid lodging of cane, propping and Earthing-up operation may be practiced. Mulch the ridges uniformly with cane trash to a thickness of 10 cm to conserve the rain water.
Banana	Vegetative to bunch formation stage	To avoid lodging, propping and Earthing-up operation may be practiced
Coconut	All stages	Present weather favor Rhinoceros beetle incidence. Symptom with central spindle appears cut or toppled, fully opened fronds showing characteristic diamond shaped cuttings and Holes with chewed fibre sticking out at the base of central spindle Management <ul style="list-style-type: none"> • Collect and destroy the various bio-stages of the beetle from the manure pits (breeding ground of the pest) whenever manure is lifted from the pits. • Soak castor cake at 1 kg in 5 l of water in small mud pots and keep them in the coconut gardens to attract and kill the adults.

		<ul style="list-style-type: none"> Examine the crowns of tree at every harvest and hook out and kill the adults. For seedlings, apply 3 naphthalene balls/palm weighing 3.5 g each at the base of inter space in leaf sheath in the 3 inner most leaves of the crown once in 45 days. Set up light traps following the first rains in summer and monsoon to attract and kill the adult beetles. Apply mixture of either neem seed powder + sand (1:2) @150 g per palm or neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown Set up rhinolure pheromone trap @ 1/ 2 ha to trap and kill the beetle.
Livestock	Disease Forecast of June month	<p>Bluetongue Livestock Disease Forecast - Proper Vaccination of animals with regular intervals. Animals should not be allowed for grazing. Ulcers in the mouth can be treated with saline water or dissolve 1g of Potassium permanganate in 1 liter of water and wash the mouth 2 to 3 times a day with this solution.</p> <p>Peste des petits ruminants- Preventive Measures: Vaccination of susceptible animals of above 3 months old age. Restriction on animal movement, strict biosecurity measures and proper disposal of carcass.</p>

SMS: Rain: 07-11.06- 8,4,3,2&4 mm. Post pone the Irrigation. Summer ploughing may be practiced.
Sugarcane- earthing up and propping. Cotton- earthing up.

A cyclonic circulation lies over south Tamilnadu & neighbourhood at 5.8 km above mean sea level.		
Next five days	Weather warning	<p>Light to moderate rain with thunderstorm & lightning is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area on Day 1 (07.06.23) & Day 2 (08.06.23).</p> <p>Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area from Day 3 (09.06.23) to Day 5 (11.06.23).</p>

Thoothukudi

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	As southwest monsoon gets advance, chance for rainfall in coming week. Farmers are requested to postpone the irrigation. However, if the location fails to receive irrigate based on the crop need.
Rainfall	Ploughing	In order to store the unexpected summer rainfall for moisture conservation, farmers are requested to go ploughing.
	Harvest	Horticultural crops viz., fruits and vegetables are requested to be harvested.
Paddy	Nursery and Vegetative	if dry spell continues farmers are advised for nutrient spray.
Cotton	Vegetative to square formation stage	Inter cultivation like earthing up operations is advised to hold the rainfall for crop use. Farmers were advised to spray TNAU COTTON PLUS booster @ 2.5 kg / acre and add adequate quantity of wetting agent with Spray volume of 200 litres at Flowering and boll formation stage to reduces flower and square shedding
Banana	Vegetative to bunch formation stage	To avoid lodging, propping and Earthing-up operation may be practiced

Coconut	All stages	<p>Present weather favor Rhinoceros beetle incidence. Symptom with central spindle appears cut or toppled, fully opened fronds showing characteristic diamond shaped cuttings and Holes with chewed fibre sticking out at the base of central spindle</p> <p>Management</p> <ul style="list-style-type: none"> Collect and destroy the various bio-stages of the beetle from the manure pits (breeding ground of the pest) whenever manure is lifted from the pits. Soak castor cake at 1 kg in 5 l of water in small mud pots and keep them in the coconut gardens to attract and kill the adults. Examine the crowns of tree at every harvest and hook out and kill the adults. For seedlings, apply 3 naphthalene balls/palm weighing 3.5 g each at the base of inter space in leaf sheath in the 3 inner most leaves of the crown once in 45 days. Set up light traps following the first rains in summer and monsoon to attract and kill the adult beetles. Apply mixture of either neem seed powder + sand (1:2) @150 g per palm or neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown Set up rhinolure pheromone trap @ 1/ 2 ha to trap and kill the beetle.
	Young seedlings	<p>Wind and rainfall may damage the crop; hence farmers are requested to provide staking so that winds may not uproot the young seedlings. Also, earthing up and raising of green manure can hold the rain water for crop stand.</p>
Livestock	Disease Forecast of April month	<p>Theileriosis and Haemorrhagic septicaemia are predicted with very low risk. Preventive measures: Yearly vaccination and Separation of infected one from healthy animals.</p> <p>Sheep & Goat pox - high risk</p> <p>Preventive Measures: De-worm the animals regularly.Examine the faeces of adult animals to detect eggs of internal parasites and treat the animals with suitable drugs.</p>
Fisherman warning	Day 1(06.06.2023) to Day 5(10.06.2023)	<p>Squally wind with speed reaching 45-55 Kmph gusting to 65 Kmph is likely to prevail over Gulf of Mannar, South Tamilnadu coast and adjoining Comorin area. Fishermen are advised not to venture into the above-mentioned area.</p>

SMS: Rain: 7-9&11-06-6,2,3&4mm. Post pone the Irrigation. Summer ploughing may be practiced. Banana- propping and Earthing-up. Cotton- earthing up. Coconut- provide staking to young seedlings.

Tamil Nadu		
A cyclonic circulation lies over south Tamilnadu & neighbourhood at 5.8 km above mean sea level.		
Next five days	Weather warning	<p>Light to moderate rain with thunderstorm & lightning is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area on Day 1 (07.06.23) & Day 2 (08.06.23).</p> <p>Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area from Day 3 (09.06.23) to Day 5 (11.06.23).</p>

Kanyakumari

AGRO ADVISORIES.

S. N.	CROP	STAGES	ADVISORIES
	<p>There are possibilities of rainfall during forth coming five days. Maximum temperature will range from 34°C and minimum temperature will range from 25 - 26 °C. Partly cloudy condition may prevail. The relative humidity will be 65 – 80 %. Wind speed may be 12 – 14 km / hr in West direction.</p>		
1.	Horticultural crops.	Planting stage.	As 12 to 14 km / hr wind speed is anticipated, it is advised to provide staking to newly planted horticultural plants.
2.	Pepper	All stages	Pepper rooted cuttings can be planted if there is sufficient soil moisture.
3.	Coconut	All stages	Apply coconut husks with convex surface facing upwards in the basin of 1.8 m radius around the palms to conserve the soil moisture.
4.	Horticultural crops	Planting stage	Planting of pineapple, Banana and Cinnamon can be taken up.
5.	Jack	Harvested stage	Harvested fruits should be stored in dry places.
6.	Rubber	Tapping Stage	Fixing polythene rain guard to the trunk of the tree above the tapping panel. So that tapping is done during rainy season also.

SMS Advisory

Avoid application of fertilizer, insecticide and weedicide due to heavy rain and high wind speed.

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	Soil testing report shows availability of nutrients in soil and due to this, it is easy to manage fertilizer dose of any crop, to save fertilizer and to maintain soil fertility also. seed treatment with <i>T. viride</i> @ 4g or <i>P. fluorescens</i> @ 1g/kg or Bacillus subtilis before sowing of crop can control the incidence root rot diseases
	General	As per TNAU seasonal forecast, Salem district is expected to receive normal rainfall during SW Monsoon.
Chilly	Vegetative	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.

Tomato	Vegetative	Leaf minor may be observed in Tomato due to prevailing weather. To control spray 5 per cent Neem Seed Kernel Extract during non rainy period
Bhendi/orkra/ brinjal:	Vegetative	Higher temperature along with higher relative humidity favours the incidence of red spider mite. To manage red spider mite spray wettable sulphur 80 wg at 40g per acre or propargite 57 ec at 400 ml per acre
Turmeric	Vegetative	High temperature, humidity with cloudy weather may create favorable conditions for sap-sucking insects. Spray pesticides like quinalphos 0.025% to prevent sucking pest in turmeric.
Sorghum, Ragi, Maize	Vegetative	Adopting crop rotation with non-preferred hosts such as sorghum, ragi, maize etc., for the white fly to check the build up of the pest. Removal and destruction of alternate weed hosts. Monitoring the activities of the adult white flies by setting up yellow pan traps and sticky traps at 1 feet height above the plant canopy and also in situ counts. Spraying of Neem seed kernel extract 5% (50 kg) and neem oil at 5 ml/l of water or Notchi leaves 5% extract and <i>Catharanthus roseus</i> aextract 5%. Spraying of Acetamiprid 20% SP 100 g/ha or Chlorpyrifos 20% EC 1250 ml/ha can control the damage.
Crops	White grub:	To management the white grubs that damages a variety of crops do, crop rotation with paddy, in the infested fields collect the white grubs and destroy them, Use Beauveria and Metarhizium @ 4kg/ha each mixed well 500 kg of decomposed farm yard manure during the last ploughing (just before planting) to avoid white grub damage. Soil application of imidacloprid 40 + fipronil 40 -80 wg at the rate of 200g/ac mixed well with 50 kg of sand and then irrigate the field
Banana	Vegetative	Due to prevailing weather condition favorable for sigatoka leaf spot infection in banana crop. To control spray Carbendazim 0.1 % or Propiconazole 0.1 % or Mancozeb 0.25% and teepol (sticking agent) at 10-15 days interval.
Sheep	General	Control of external parasites like ticks, mites, flies should be done through "Dipping". By this animals can be protected from most of the protozoal diseases. Deworming should be done to control the internal parasites.
Rain water harvest	General	Harvest the run off rain water in farm ponds or any suitable structures to improve the ground water table
Poultry	General	Control of Ranikhet diseases can be effect with judicious application of sanitary and vaccination measures.

Namakkal

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	<p>Due to very high and prolonged day temperatures, dairy farmers are advised to feed their cattle and small ruminants with sufficient quantities of concentrates for the maintenance of body weight and milk production.</p> <p>To compensate the decreased fodder intake during summer season farmers should ensure feeding of excess concentrate mixed with water during the cooler parts of the day.</p> <p>To improve the conception rate in dairy animals, farmers are advised to</p>

		inseminate their animals in the early morning and late evening . Add sufficient quantity of sodium bi carbonate, electrolytes and vitamins supplements in the drinking water to reduce the heat stress in livestock.
Poultry	General	Ensure the availability of cool drinking water to the birds in the drinkers throughout the day during summer months. Add soya oil in the feed to increase the energy content and to reduce the heat stress. During summer season finish feeding of birds before 11 am and empty the feeders. Provide mid night lighting to birds between 12 to 1 am to increase the feed intake. Farmers are advised to use foggers during extreme hot weather conditions to prevent heat stroke in birds.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Turmeric	Vegetative stage	Turmeric growers are requested to give foliar spraying with turmeric booster @ 5 gram / litre of water twice at 60 and 90 days after planting.
Tapioca	Vegetative stage	Tapioca growers are requested to give foliar spraying with zinc sulphate @ 5 gram / litre + iron sulphate @ 10 gram with lemon juice at 60 and 90 days after planting.
Sugarcane	Vegetative stage	To alleviate the micronutrient deficiency as well as to improve the yield of ratoon 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.
Banana	Vegetative stage	Bacteria leaf blight in Banana Due to change in climate incidence of bacteria leaf symptoms in 3 – 6 month old banana crop was noticed. The infected leaves will show scorching of marginal portion and yellowing of leafs and the plant become stunted growth. Control measures Foliar spraying of systemic fungicide Carbendazim or mixed chemical of Metalaxyl + Mancozeb or Carbendazim + Mancozeb @ 2 gram / liter of water. Followed by soil drenching of bioagents like Bacillus subtilis @ 2 ½ gram + Trichoderma viride 2 ½ gram at 15 days interval at 2 times.

Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

General Advisory –light Rainfall Light rainfall is predicted next five days Farmers are requested to postpone the irrigation to avoid plant root suffocation. High relative humidity with moderate wind speed is conducive for disease spread. Continuous rainfall may damage crop, so farmers are advised to provide to prevent the crop lodging. So, farmers are advised to take the prophylactic measures to control the disease spread and to protect the livestock, poultry and pets.	
Light Rainfall – postpone the irrigation to avoid plant root suffocation to practice the summer ploughing based on the suitable soil moisture prevailing for ploughing.	
Crop	Advisory
Rice	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 pray 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 Ratoon stunting The affected plants are stunted, the stunting being most severe in stubble and ratoon crops. In infected stocks, the presence of pin head like orange coloured dots of bacteria on the internal soft tissue in the nodal region, The setts taken from diseased plants germinate poorly and the few shoots that are emerged grow very slowly for controlling measures Chemical disinfectants that may be used on cane cutting knives includes, Lysol, Dettol, ethanol, Mirrol and Roccal. Atleast 5 minutes of contact with the cutting surface is needed to assure disinfection.
Groundnut	Groundnut Aphids Wilting of tender shoots during hot weather, Stunting and distortion of the foliage and stems, They excrete honeydew on which sooty molds flow forming a black coating Act as vector for peanut stripe virus and groundnut rosette virus complex for controlling measures Apply anyone of the following insecticides Imidacloprid 17.8% SL 100-125 ml/ha, Methyl demeton 25% EC 1000 ml/ha
Mango	Mango Fruit fly, Maggot bore into semi-ripen fruits with decayed spots and dropping of fruits, Oozing of fluid, Brownish rotten patches on fruits for control measures Collect fallen infested fruits and dispose them by dumping in a pit, Provide summer ploughing to expose the pupa Monitor the activity of flies with methyl eugenol sex lure traps. Bait spray - combing any one of the insecticides and molasses or jaggery 10 g/l, malathion 50EC 2 ml/l, dimethoate 30 EC 1 ml/l, carbaryl 50 WP 4 g/l. two rounds at 2 weeks interval before ripening of fruits..
Tapioca	Tapioca Whitefly Chlorotic spots on the leaves which latter coalesce forming irregular yellowing of leaf tissue, Severe infestation results in premature defoliation, Development of sooty mould Vector of cassava mosaic virus for control measures Remove alternate host: Abutilon indicum, Set up yellow sticky trap, Spray any one of the following, Phosalone 35 EC @2.5 l/ha, Quinalphos 25 EC @ 2.0 l/ha, Triazophos 40 EC 2.0 l/ha.
Chillies	Chilli Yellow mite or muranai mite: Downward curling and crinkling of leaves, Leaves with elongated petiole, Stunted growth for controlling measures Quinalphos 25 % EC, 1.5 ml/lit.or Emamectin benzoate 5 SG 4 g /10 lit.

Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
		Due to very high and prolonged day temperatures, dairy farmers are advised to feed their cattle and small ruminants with sufficient quantities of

Livestock	General	<p>concentrates for the maintenance of body weight and milk production.</p> <p>To compensate the decreased fodder intake during summer season farmers should ensure feeding of excess concentrate mixed with water during the cooler parts of the day.</p> <p>To improve the conception rate in dairy animals, farmers are advised to inseminate their animals in the early morning and late evening .</p> <p>Add sufficient quantity of sodium bi carbonate, electrolytes and vitamins supplements in the drinking water to reduce the heat stress in livestock.</p>
Poultry	General	<p>Ensure the availability of cool drinking water to the birds in the drinkers throughout the day during summer months.</p> <p>Add soya oil in the feed to increase the energy content and to reduce the heat stress.</p> <p>During summer season finish feeding of birds before 11 am and empty the feeders.</p> <p>Provide mid night lighting to birds between 12 to 1 am to increase the feed intake.</p> <p>Farmers are advised to use foggers during extreme hot weather conditions to prevent heat stroke in birds.</p>
Agro advisory from Krishi Vigyan Kendra		
Turmeric	Vegetative stage	Turmeric growers are requested to give foliar spraying with turmeric booster @ 5 gram / litre of water twice at 60 and 90 days after planting.
Tapioca	Vegetative stage	Tapioca growers are requested to give foliar spraying with zinc sulphate @ 5 gram / litre + iron sulphate @ 10 gram with lemon juice at 60 and 90 days after planting.
Sugarcane	Vegetative stage	To alleviate the micronutrient deficiency as well as to improve the yield of ratoon 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.
Banana	Vegetative stage	<p>Bacteria leaf blight in Banana</p> <p>Due to change in climate incidence of bacteria leaf symptoms in 3 – 6 month old banana crop was noticed. The infected leaves will show scorching of marginal portion and yellowing of leafs and the plant become stunted growth.</p> <p>Control measures</p> <p>Foliar spraying of systemic fungicide Carbendazim or mixed chemical of Metalaxyl + Mancozeb or Carbendazim + Mancozeb @ 2 gram / liter of water. Followed by soil drenching of bioagents like Bacillus subtilis @ 2 ½ gram + Trichoderma viride 2 ½ gram at 15 days interval at 2 times.</p>

Karaikal

Agro Advisory

Crop/livestock	Stage/Particulars	Agro Advisory
Cotton	Vegetative and flowering stage	Cloudy weather with rain may increase the shedding of buds and squares in cotton. To prevent early shedding of buds and squares in cotton spray 40 ppm NAA (40 mg of Naphthalene Acetic Acid in one

		litre of water) at 60 and 90 DAS on the crops.
		Nipping may be done at 15th node for variety and 20th node for hybrid cotton to induce sympodial branches development.
Livestock	-	<p>Heat stress is likely to occur in cattle due to prevailing hot weather. Therefore, following steps can be followed to protect livestock from summer heat.</p> <p>Cattle can be protected from heat by spreading straw, dry grass, palm fronds, coconut leaves or coir waste on the surface of cattle sheds and sprinkling water over it.</p> <p>Cattle can be sent for grazing between 06 am to 10 am and 04 pm to 06 pm.</p> <p>Roofs should be erected over the drinking troughs for livestock to provide cold drinking water to the livestock.</p> <p>Cattle should be bathed twice daily.</p> <p>If cattle show signs of heat stress such as excessive drinking of water, rapid breathing, excessive salivation, loss of appetite, shivering and falling down, then the affected animals should be treated at the nearest veterinary hospital.</p>

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

Puducherry

Weather based Agro-Advisories.

Crop	Stage/ Particulars	Agro Advisory
Rice	Tillering stage	<p>To manage rice leaf folder release <i>Trichogramma chilonis</i> 5cc (1,00,000/ha) at 37, 44, 51 day after planting.</p> <p>Avoid excess application of nitrogen fertilizers.</p> <p>Setup light trap to attract adult moths.</p> <p>Setup T- shaped bird perches for predatory birds to control these pests.</p> <p>Apply cartaphydrochloride 50% SP @ 2g/l or flubendiamide 20 WG @ 0.25 g/l or thiamethoxam 25 WG @ 0.2 g/l.</p>
Coconut	Vegetative stage	<p>Due to current weather condition, button shedding occurred in coconut trees. This resulted in chances of yield loss. Hence, farmers are advised to apply farm waster (or) crop residue around the coconut tree and irrigate around the tree. Also, give root feeding of coconut tonic (200 ml / tree) 3 months interval to avoid button shedding in coconut.</p>
Brinjal	Reproductive Stage	<p>To manage Brinjal shoot borer, apply neem cake 200 kg/ha or spray Emamectin Benzoate 4% SG@ 0.4g/l.</p>

General Advice	To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely.
General Advice	Farmers are requested to sow green manure seeds like sunnhemp or daincha or multigrains @ 20 kg / acre and do insitu incorporation in the same field within 30 – 45 days after planting by using summer rains. Also, raise the bunds to store summer rains.

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

Puducherry Block level

Ariankuppam, Ozhukarai, Villianur, Bahour, Mannadipet and Nettapakkam Blocks

Light rain to Moderate rain with thunderstorm & lightning is likely to occur one or two places from 07.06.2023 to 08.06.2023.

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

Crop(Varieties)	Crop Specific Advisory
RICE	To manage rice leaf folder release Trichogramma chilonis 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.
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Due to current weather condition, button shedding occurred in coconut trees. This resulted in chances of yield loss. Hence, farmers are advised to apply farm waster (or) crop residue around the coconut tree and irrigate around the tree. Also, give root feeding of coconut tonic (200 ml / tree) 3 months interval to avoid button shedding in coconut.
BRINJAL	To manage Brinjal shoot borer, apply neem cake 200 kg/ha or spray Emamectin Benzoate 4% SG@ 0.4g/l.
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Farmers are requested to sow green manure seeds like sunnhemp or daincha or multigrains @ 20 kg / acre and do insitu incorporation in the same field within 30 – 45 days after planting by using summer rains. Also, raise the bunds to store summer rains.

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