



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

DISTRICT LEVEL

Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 049/2023

For the period 0830 IST, 20th June 2023 to
0830 IST, 25th June 2023

Issued on Tuesday, 20th 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 16.06.23 to 19.06.23 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range **28°C – 41°C** prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range **19°C – 22°C** during the period.

Minimum temperature of range **23°C - 31°C** prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range **10°C - 13°C** during the same period.

Spatial distribution of Rainfall

Spatial distribution of Rainfall	Date	Area
Widespread (Most places)	19.06.23	Puducherry
Fairly widespread (Many places)	--	--
Scattered (Few Places)	19.06.23	Tamil Nadu
Isolated (One or Two Places)	16.06.23, 17.06.23, 18.06.23	Tamil Nadu
Dry	16.06.23, 17.06.23, 18.06.23	Puducherry

Chief Amounts of Rainfall (in cms):-

16.06.23 : Valparai PAP (dist Coimbatore), Valparai Taluk Office (dist Coimbatore) 2 each, Chinnakalar (dist Coimbatore), Valparai PTO (dist Coimbatore), Sholayar (dist Coimbatore) 1 each.

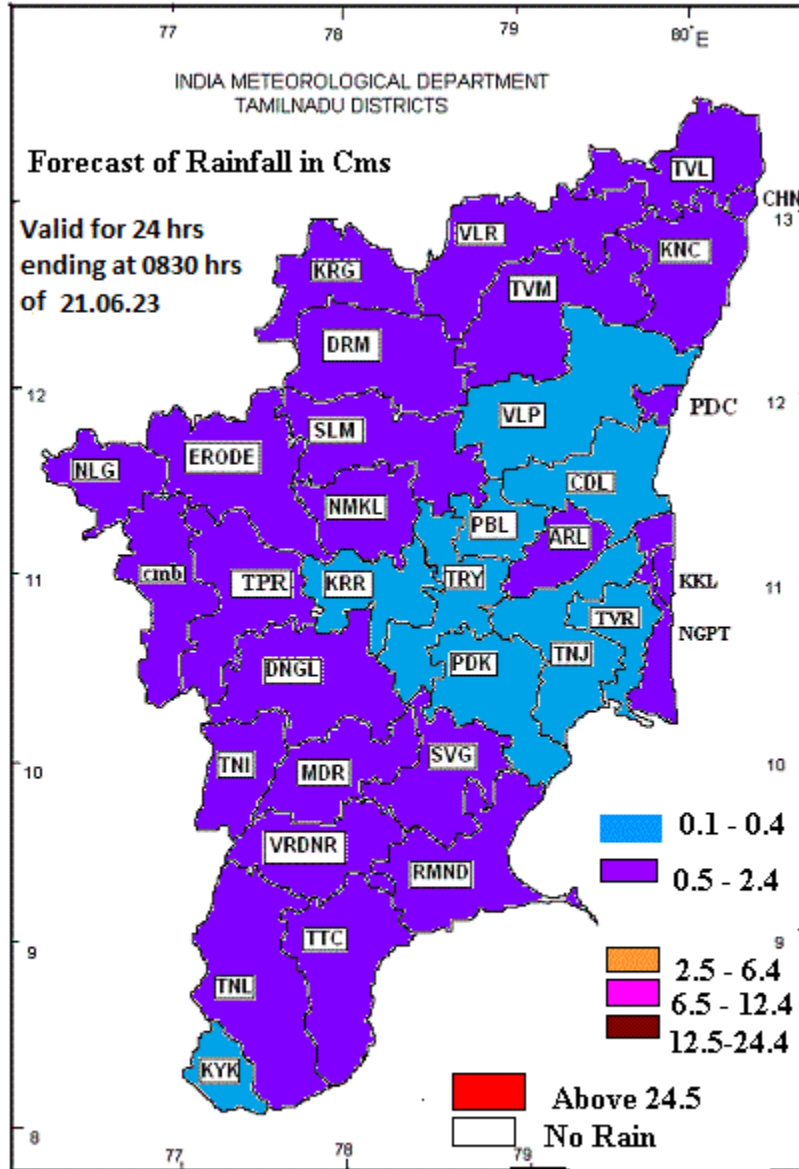
17.06.23 : Taluk Office Pandalur (dist Nilgiris), Pulipatti (dist Madurai) 2 each, R.K.Pet (dist Tiruvallur), Valparai Pto (dist Coimbatore) 1 each.

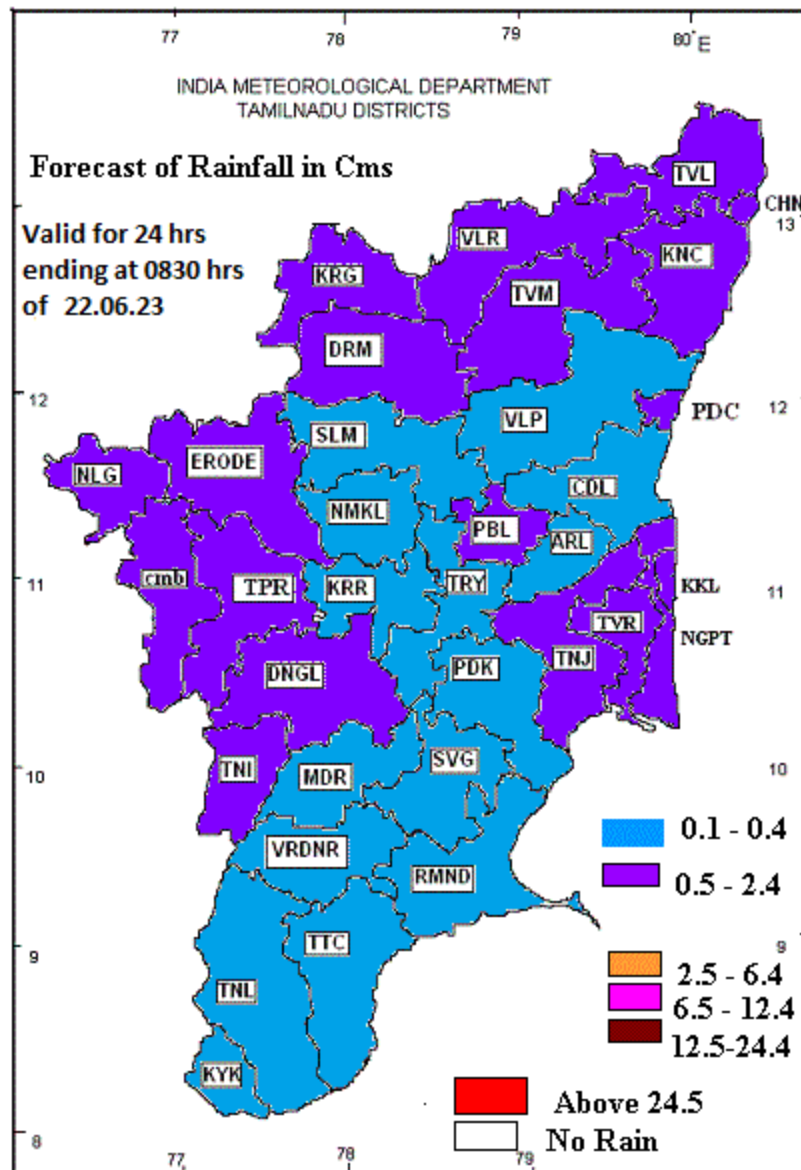
18.06.23 : Polur (dist Tiruvannamalai) 4, Cincona (dist Coimbatore), Chinnakalar (dist Coimbatore) 2 each, Sholayar (dist Coimbatore), Nedungal ((dist Krishnagiri), Kelavarapalli Dam (dist Krishnagiri), Ambur (dist Tirupattur), Thandarampettai (dist Tiruvannamalai), Manjalar (dist Theni), Valparai PTO (dist Coimbatore) 1 each.

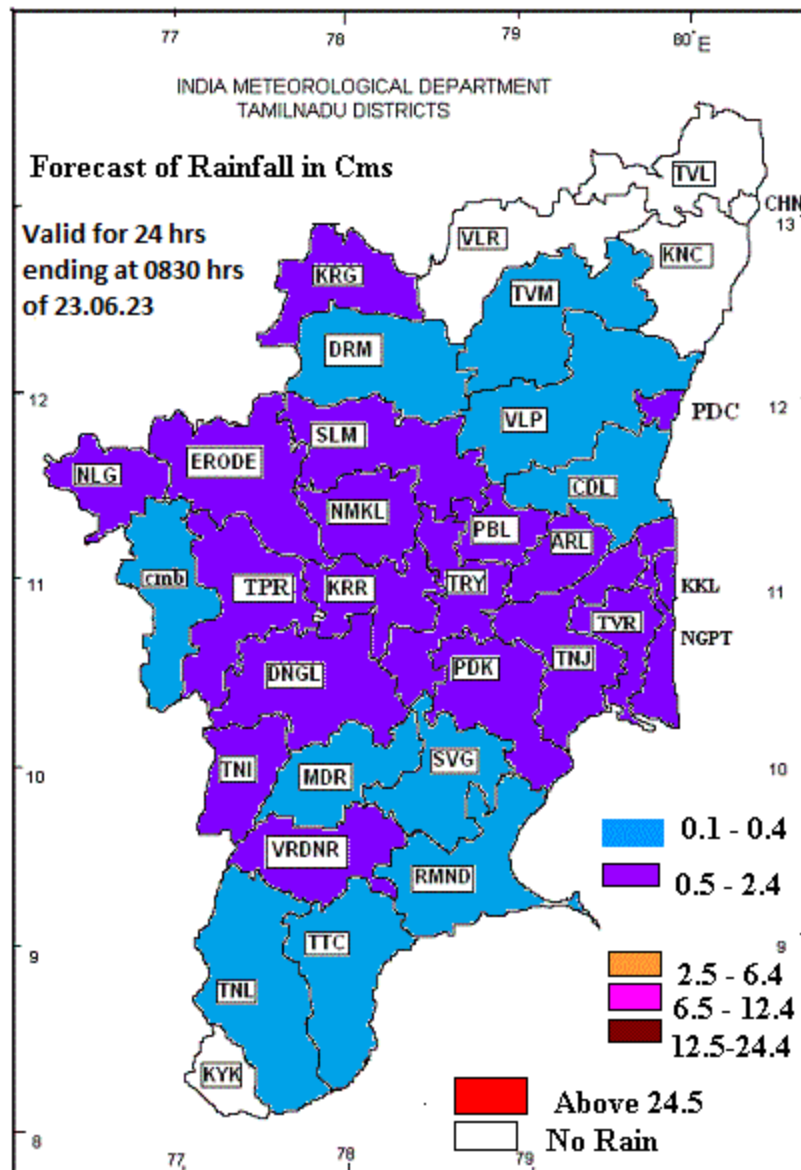
19.06.23 : Chennai Airport (dist Chennai) 16, Taramani ARG (dist Chennai), Alandur (dist Chennai) 14 each, Chembarambakkam ARG (dist Tiruvallur) 13, Chembarabakkam (dist Tiruvallur) 11, Anna University (dist Chennai) 10, West Tambaram ARG (dist Chengalpattu), ACS Medical College (dist Kancheepuram), Kundrathur (dist Kancheepuram), DGP Office (dist Chennai), Chennai Nungambakkam (dist Chennai) 9 each, Koratur (dist Tiruvallur), MGR Nagar (dist Chennai) 8 each, KVK Kattukuppam ARG

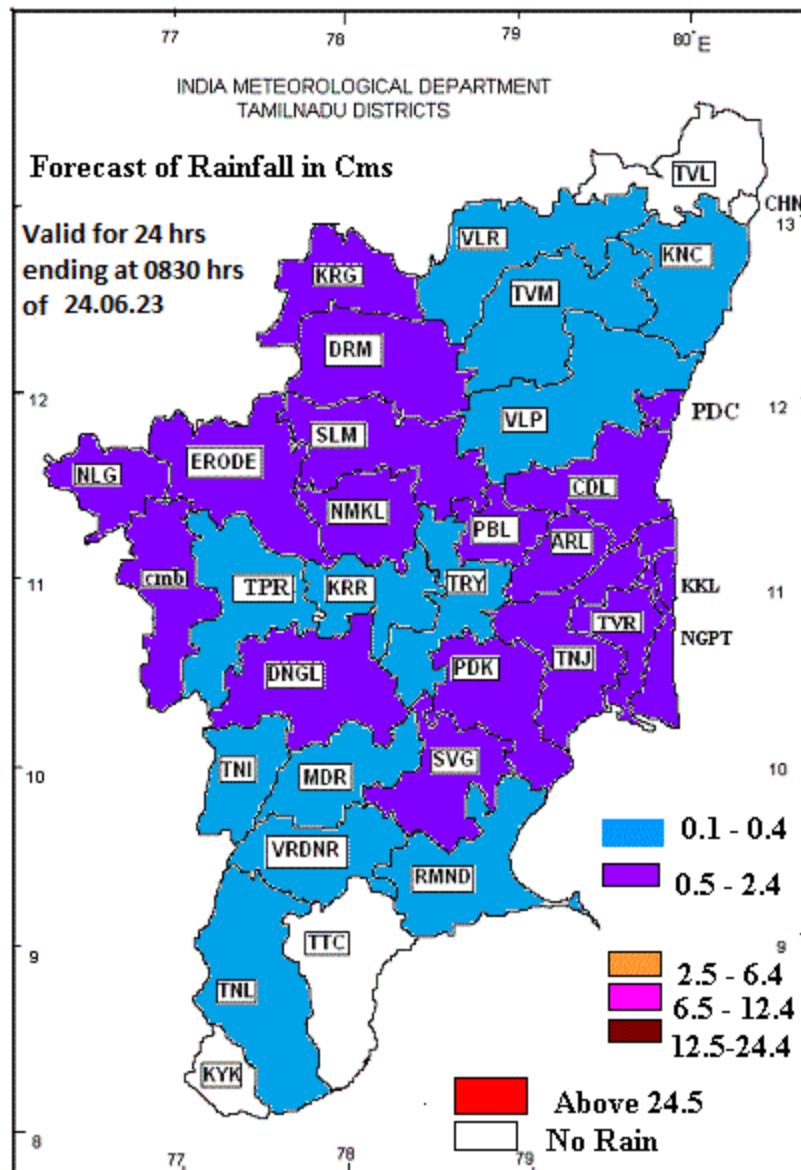
(dist Kancheepuram), Poonamallee (dist Tiruvallur), Tambaram (dist Chengalpattu), Satyabama University ARG (dist Chengalpattu) 7 each, Ayanavaram Taluk Office (dist Chennai) , Chennai Collectorate Building (dist Chennai), Villivakkam ARG (dist Tiruvallur) 6 each, Puzhal ARG (dist Tiruvallur), Mahabalipuram (dist Chengalpattu), Perambur (dist Chennai), CD Hospital Tondaipet (dist Chennai), Sriperumbudur (dist Kancheepuram), Ambathur (dist Tiruvallur) 5 each, Sholinganallur (dist Chennai), Kolapakkam ARG (dist Chengalpattu), Madavaram AWS (dist Tiruvallur), Walajabad (dist Kancheepuram) 4 each, Marakkanam (dist Villupuram), Tindivanam (dist Villupuram), Collectorate (dist Cuddalore), Maduranthagam (dist Chengalpattu), Kelambakkam (dist Chengalpattu), Cheyyur (dist Chengalpattu), Cuddalore (dist Cuddalore), Bhuvanagiri (dist Cuddalore), Avadi (dist Tiruvallur), Ennore Aws (dist Tiruvallur), Kancheepuram (dist Kancheepuram), Thirukalukundram (dist Chengalpattu), Red Hills (dist Tiruvallur), Annamalai Nagar (dist Cuddalore) 3 each, Chidambaram AWS (dist Cuddalore), Karaikal (dist Karaikal), Vilupuram (dist Villupuram), Basl Mugaiyur (dist Villupuram), Kothavacherry (dist Cuddalore), Rsc1-2 Mundiampakkam (dist Villupuram), Chidambaram (dist Cuddalore), Thirupporur (dist Chengalpattu), Rsc1-2 Koliyanur (dist Villupuram), Kollidam (dist Mayiladuthurai), Rsc1-3 Anandhapuram (dist Villupuram), Gomugi Dam Pwd (dist Kallakurichi), Rsc1-2 Soorapattu (dist Villupuram), Rsc1-2 Nemoor (dist Villupuram), Puducherry (dist Puducherry), Sembanarkoil Pwd (dist Mayiladuthurai), Rsc1-2 Kedar (dist Villupuram), Chetpet (dist Tiruvannamalai), Vanamadevi (dist Cuddalore), Panruti (dist Cuddalore), Sirkali (dist Mayiladuthurai), Rsc1-2 Kanjanur (dist Villupuram), Vepur (dist Cuddalore), Uthiramerur (dist Kancheepuram), Parangipettai (dist Cuddalore), Thamaraiyappakkam (dist Tiruvallur), Cholavaram (dist Tiruvallur), Kurinjipadi (dist Cuddalore), Gingee (dist Villupuram), Tirupoondi (dist Nagapattinam), Kodaikannal Boat Club (dist Dindigul) 2 each, Vanur (dist Villupuram), Lalpet (dist Cuddalore), Kattumayilur (dist Cuddalore), SCS Mill Thiruvannainal (dist Villupuram), Rsc1 Vallam (dist Villupuram), Chengalpattu (dist Chengalpattu), Tiruvallur (dist Tiruvallur), Cheyyar (dist Tiruvannamalai), Velankanni (dist Nagapattinam), Tiruttani Pto (dist Tiruvallur), Sethiathope (dist Cuddalore), Mayiladuthurai (dist Mayiladuthurai), Vadakuthu (dist Cuddalore), Tirur KVK AWS (dist Tiruvallur), Kudithangi (dist Cuddalore), Tarangambadi (dist Mayiladuthurai), Nagapattinam (dist Nagapattinam), Ponneri (dist Tiruvallur), Manalmedu (dist Mayiladuthurai), SCS Mill Arasoor (dist Villupuram), Kcs Mill-2 Kachirayaopa (dist Kallakurichi), Kattumannar koil (dist Cuddalore), Basl Manampoondi (dist Villupuram), Rsc1-2 Valavanur (dist Villupuram), Tiruvarur (dist Tiruvarur), Vembakkam (dist Tiruvannamalai), Chinnakalar (dist Coimbatore), Jayamkondam (dist Ariyalur), Ariyalur (dist Ariyalur), Rsc1-3 Valathy (dist Villupuram), Uthukottai (dist Tiruvallur), Nannilam (dist Tiruvarur), Pelandurai (dist Cuddalore), Valparai PTO (dist Coimbatore), Vellore (dist Vellore), Nagudi (dist Pudukkottai), Arakonam (dist Ranipet), Vedaranyam (dist Nagapattinam), Thirukuvalai (dist Nagapattinam), Panapakkam (dist Ranipet), Devala (dist Nilgiris), Vandavasi (dist Tiruvannamalai), Me Mathur (dist Cuddalore), Rsc1-3 Avalurpettai (dist Villupuram) 1 each.

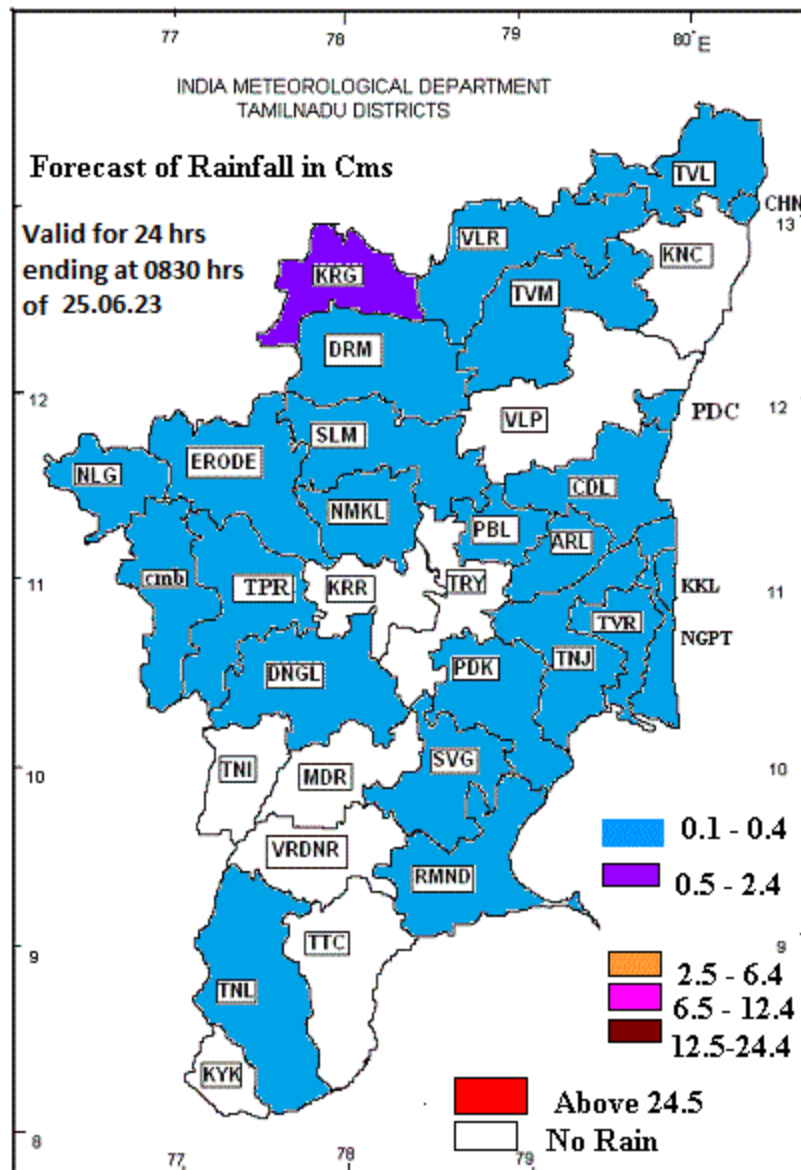
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 20.06.23
VALID FOR THE NEXT 5 DAYS**











District-wise Agromet Advisories

Chennai

SMS Advisory:

(21.06.2023) Heavy rain likely to occur at isolated places over Ranipet, Vellore, Tirupattur, Tiruvannamalai and Krishnagiri districts of Tamilnadu. Livestock Advisory

- 1.The farmers are advised to preserve rice straw after harvesting the paddy crop which has to be used as livestock feed.
- 2.The livestock especially dairy cattle, sheep and goat must not be allowed to stand in slushy and filthy area to prevent foot rot.
- 3.Egg laying poultry (layers) suffering from lice infestation must be looked into with proper attention. Dipping solution must be rubbed over the affected body parts and feathers using cloth or cotton, during Sunny part of the day
- 4.Dry fodders and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin.
- 5.Due to high humidity, Young animals may suffer from pneumonia, get veterinary doctors advice.
- 6.The weather conditions prevailing now are a conclusive environment for mosquitoes & files. Hence the farmers are advised to spray insecticides around the farm premises.
- 7.Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

Kancheepuram

SMS Advisory:

(21.06.2023) Heavy rain likely to occur at isolated places over Ranipet, Vellore, Tirupattur, Tiruvannamalai and Krishnagiri districts of Tamilnadu. Livestock Advisory

- 1.The farmers are advised to preserve rice straw after harvesting the paddy crop which has to be used as livestock feed.
- 2.The livestock especially dairy cattle, sheep and goat must not be allowed to stand in slushy and filthy area to prevent foot rot.
- 3.Egg laying poultry (layers) suffering from lice infestation must be looked into with proper attention. Dipping solution must be rubbed over the affected body parts and feathers using cloth or cotton, during Sunny part of the day
- 4.Dry fodders and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin.
- 5.Due to high humidity, Young animals may suffer from pneumonia, get veterinary doctors advice.
- 6.The weather conditions prevailing now are a conclusive environment for mosquitoes & files. Hence the farmers are advised to spray insecticides around the farm premises.
- 7.Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

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.

Brinjal:

There are possibilities of mealybug infestation in brinjal crops. For management farmers are advised to spray Profenophos 2ml/lit of water.

Chilli:

There are possibilities of whitefly transmitted leaf curl virus infestation in Chilli. For the management of vector farmers are advised to spray Dimethoate 2ml of Acephate 1g per litre of water.

Villupuram

SMS Advisory:

(21.06.2023) Heavy rain likely to occur at isolated places over Ranipet, Vellore, Tirupattur, Tiruvannamalai and Krishnagiri districts of Tamilnadu. Livestock Advisory

- 1.The farmers are advised to preserve rice straw after harvesting the paddy crop which has to be used as livestock feed.
- 2.The livestock especially dairy cattle, sheep and goat must not be allowed to stand in slushy and filthy area to prevent foot rot.
- 3.Egg laying poultry (layers) suffering from lice infestation must be looked into with proper attention. Dipping solution must be rubbed over the affected body parts and feathers using cloth or cotton, during Sunny part of the day
- 4.Dry fodders and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin.
- 5.Due to high humidity, Young animals may suffer from pneumonia, get veterinary doctors advice.
- 6.The weather conditions prevailing now are a conclusive environment for mosquitoes & files. Hence the farmers are advised to spray insecticides around the farm premises.
- 7.Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

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 chances of thrips infestation in paddy field. To control spray thiamethoxam 40 g/ac or azadirachtin 400 ml/ac (10000 PPM). Due to prevailing weather condition leaf folder 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:

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).

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:

(21.06.2023) Heavy rain likely to occur at isolated places over Ranipet, Vellore, Tirupattur, Tiruvannamalai and Krishnagiri districts of Tamilnadu. Livestock Advisory

- 1.The farmers are advised to preserve rice straw after harvesting the paddy crop which has to be used as livestock feed.

- 2.The livestock especially dairy cattle, sheep and goat must not be allowed to stand in slushy and filthy area to prevent foot rot.
- 3.Egg laying poultry (layers) suffering from lice infestation must be looked into with proper attention. Dipping solution must be rubbed over the affected body parts and feathers using cloth or cotton, during Sunny part of the day
- 4.Dry fodders and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin.
- 5.Due to high humidity, Young animals may suffer from pneumonia, get veterinary doctors advice.
- 6.The weather conditions prevailing now are a conclusive environment for mosquitoes & files. Hence the farmers are advised to spray insecticides around the farm premises.
- 7.Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

Agricultural 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:

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.

Coconut:

The coconut tree basins may be sown with sun hemp in the onset of monsoon and incorporated at flowering stage.

Banana:

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

Tiruvallur

From extended range forecast above normal rainfall, normal minimum temperature and below normal maximum temperature expected for the period of 25.06.2023 to 01.07.2023 over Tamil Nadu. During light rainfall, it is recommended to include a sticky agent when conducting chemical spray.

Crop(Varieties)	Crop Specific Advisory
RICE	1. Prevailing weather conditions may cause stem borer to control spray Azadirachtin 0.03% 400 ml (or) Flubendiamide 20% WG 50g per acre in 200 litres of water; 2. Prolonged leaf wetness, due to rainfall or high humidity may cause Bacterial leaf blight to control spray copper hydroxide 77 WP 500g per acre in 200 litres of water (Avoid spray and fertilizer application on 21 and 22 June)

GROUNDNUT	1. based on past and forecasted rainfall event there may be chance of high soil moisture which leads to root rot in groundnut to control spray Soil application of bacillus subtilis @ 2.5 kg /ha with 50 kg of well decomposed FYM / sand at 30 Days After Sowing;2. If farmers have plan for groundnut sowing treat the seeds with Trichoderma @ 4g/kg just before sowing (Avoid spray and fertilizer application on 21 and 22 June)
SUGARCANE	propping in five months old sugarcane crop is recommended against the lodging
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Monitor livestock closely during continuous rainfall for signs of illness or stress. Wet and muddy conditions can increase the risk of respiratory infections, hoof problems, and skin issues. Maintain proper hygiene, provide clean drinking water, and consider appropriate vaccinations and treatments to prevent diseases associated with damp conditions.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Continuous rainfall may affect feed quality and availability. Store feed in dry areas to prevent spoilage and provide fresh, clean water to the birds. Ensure that water sources are protected from rainwater contamination and regularly check for any water leakages or blockages

Vellore

As per the IMD extended range forecast (ERF), above normal rainfall and normal temperature is likely over Tamil Nadu and Puducherry during 25th June to 1st July 2023. The new horticultural crop varieties viz; Vietnam early jack, Thailand guava may be introduced. Application of stage specific bioinoculant to the rice will reduce the chemical fertilizer cost by 25% and also reduce pollution of soil by chemicals. Thereby increases the proper crop growth. Farmers are advised to temporarily avoid fertilizer application, insecticides or pesticides spray during rainy days and provide drainage facility to the crops.

Crop(Varieties)	Crop Specific Advisory
RICE	Due to prevailing weather condition, 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.
GROUNDNUT	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 and incorporated at flowering stage.
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 tree leaves like agathi, soundal, glyricidia, mulberry and velimasal each 0.5kg, total 2.5kg per cow per day favours the higher production of milk and milk fat. Also give 50ml of ostovetforte and 40gram of mineral mixture(TANUVAS) per day for milk production and to get one calf per year per cow.
GOAT	Give vaccine PPR@1ml per animal as vaccination through subcutaneous route prevents the incidences of PPR disease which causes diarrhea, fever, running nose and death of animals.

Cuddalore

From extended range forecast above normal rainfall, normal minimum temperature and below normal maximum temperature expected for the period of 25.06.2023 to 01.07.2023 over Tamil Nadu. Light rainfall will be expected in the forthcoming days, so while going for chemical spray add sticky agent.

Crop(Varieties)	Crop Specific 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.
RICE	1. Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 40 g/ac or azadirachtin 400 ml/ac (10000 PPM). 2. Due to prevailing weather condition leaf folder 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	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.
Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Moderate to light rainfall with high wind speed expected forthcoming days, so farmers are advised to propping the banana and moringa crops.

Coimbatore

Agro Advisory

Crop	Stage	Advisory
General		Light to moderate rainfall is expected with wind speed of 6 - 14 km/hr in Western zone during next five days. Wind speed of Tiruppur district may go up to 14 km/hr. As rainfall is expected in the coming days, irrigation may be postponed to all crops. Provide adequate drainage to all crops. Excess rain water may be drained to farm pond and use for supplemental irrigation.
Rice	Planting	Transplanting of short duration rice varieties can be done with enough provision of drainage because rainfall is anticipated. Also keep 2 cm water during evening and drain in the morning to avoid floating seedling due to rain splash action.
Maize	Sowing	By utilizing expected rainfall sowing of maize with imidacloprid seed treatment @ 10g/kg seed is advised.
Small millets	Sowing	With the receipt of anticipated rainfall sowing of small millets and millets may be taken up along the Western Ghats. Heavy rain may occur along the Western Ghats. Ensure adequate safety to the animals.
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.
Tomato	Planting	It is right time for planting of Tomato in main field.
Cucurbits	Sowing	By utilizing the past and expected rainfall, 1'x1'x1' sized pit may be taken for cucurbits.
Banana	Above 5 months old	Light rain fall with 6-16 km/hour wind speed may cause lodging in banana. Providing support to five months and above old banana. Provide adequate drainage facility to avoid water lodging.
Turmeric	Vegetative	By utilizing the rainfall, weeding may be done in 30 days old Turmeric
Grapes		June is the best time for pruning in monsoon grape crop. Weak and immature branches should be pruned without damaging in vines.
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. Since rainfall is expected, water lodging around the sheds may be avoid.

SMS advisory

Provide drainage in and around the cattle shed against water stagnation which may act as mosquito breeding source.

Erode

Agro Advisory

Crop	Stage	Advisory
General		Light to moderate rainfall is expected with wind speed of 6 - 14 km/hr in Western zone during next five days. Wind speed of Tiruppur district may go up to 14 km/hr. As rainfall is expected in the coming days, irrigation may be postponed to all crops. Provide adequate drainage to all crops. Excess rain water may be drained to farm pond and use for supplemental irrigation.
Rice	Planting	Transplanting of short duration rice varieties can be done with enough provision of drainage because rainfall is anticipated. Also keep 2 cm water during evening and drain in the morning to avoid floating seedling due to rain splash action.
Maize	Sowing	By utilizing expected rainfall sowing of maize with imidacloprid seed treatment @ 10g/kg seed is advised.
Small millets	Sowing	With the receipt of anticipated rainfall sowing of small millets and millets may be taken up along the Western Ghats. Heavy rain may occur along the Western Ghats. Ensure adequate safety to the animals.
Groundnut	Vegetative	Considering the anticipated rainfall gypsum @ 400 kg/ha may be incorporated in the 40 days old groundnut crop.
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.
Tomato	Planting	It is right time for planting of Tomato in main field.
Cucurbits	Sowing	By utilizing the past and expected rainfall, 1'x1'x1' sized pit may be taken for cucurbits.
Banana	Above 5 months old	Light rain fall with 6-14 km/hour wind speed may cause lodging in banana. Providing support to five months and above old banana. Provide adequate drainage facility to avoid water lodging.
Turmeric	Vegetative	By utilizing the rainfall, weeding may be done in 30 days old Turmeric
Animal		Do not allow the animals to graze on newly grown grasses, due to the receipt of last week rain. Since rainfall is expected, water lodging around the sheds may be avoid.

SMS advisory

Provide drainage in and around the cattle shed against water stagnation which may act as mosquito breeding source.

Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		Light to moderate rainfall is expected with wind speed of 6 - 14 km/hr in Western zone during next five days. Wind speed of Tiruppur district may

		go up to 14 km/hr. As rainfall is expected in the coming days, irrigation may be postponed to all crops. Provide adequate drainage to all crops. Excess rain water may be drained to farm pond and use for supplemental irrigation.
Maize	Sowing	By utilizing expected rainfall sowing of maize with imidacloprid seed treatment @ 10g/kg seed is advised.
Groundnut	Vegetative	Considering the anticipated rainfall gypsum @ 400 kg/ha may be incorporated in the 40 days old groundnut crop.
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.
Tomato	Planting	It is right time for planting of Tomato in main field.
Banana	Above 5 months old	Light rain fall with 6-14 km/hour wind speed may cause lodging in banana. Providing support to five months and above old banana. Provide adequate drainage facility to avoid water lodging.
Animal		Do not allow the animals to graze on newly grown grasses, due to the receipt of last week rain. Since rainfall is expected, water lodging around the sheds may be avoid.

SMS advisory

Provide drainage in and around the cattle shed against water stagnation which may act as mosquito breeding source.

Nilgiris

During rainy days, drainage facilities should be created to drain excess water. Due to cloudy weather, there may be chances for the spread of fungal diseases in hilly vegetable crops. Prevailing weather pattern is conducive for cutworm and white grub infestation can be controlled by installing light traps. Light traps should be switched on from 7 to 11 pm to attract adult.

Horticulture(Varieties)	Horticulture Specific Advisory
TEA	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.

Nilgiris Block level

Coonoor, Gudalur, Kotagiri and Ooty Blocks

During rainy days, drainage facilities should be created to drain excess water. Due to cloudy weather, there may be chances for the spread of fungal diseases in hilly vegetable crops. Prevailing weather pattern is conducive for cutworm and white grub infestation can be controlled by installing light traps. Light traps should be switched on from 7 to 11 pm to attract adult.

Horticulture(Varieties)	Horticulture Specific Advisory
TEA	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.

Ariyalur, Karur, Nagapattinam, Perambalur, Thanjavur and Tiruvarur

Agro Advisory

Crop	Stage	Advisory
General		Considering expected rain, postpone/avoid chemical application / Spray.
Rice	Main field	After rain cessation, apply butachlor at 1.0 lit/ac or anilophos 500 ml/ac mixed with 20 kg sand and broadcast uniformly to control weeds.
Rice	Main field	Leaf mite incidence is being noticed in the kuruvai paddy fields due to prevailing weather condition. Spray Dicofol @ 2.5 ml/ liter or fenazaquin 10 EC 2 ml/ liter, to control this pest after rain cessation.
Cotton	Vegetative	Due to prevailing weather condition favor cotton mealy bug. In order to control this, spray dimethoate or profenophos @ 2ml / lit. Wherever necessary use botanical insecticides like neem derivatives such as neem oil 2% NSKE 5% and Fish oil rosin soap 25g/litre of water after rain cessation.
Banana		Provide support with wooden poles to avoid lodging of tree due to rain and wind.
Cattle	Cow	Ensure vaccination of cows and buffalos against foot and mouth disease before monsoon.

SMS advisory

Due to prevailing weather condition favor cotton mealy bug. In order to control this, spray dimethoate or profenophos @ 2ml / lit.

Tiruchirapalli

Tamilnadu's average rainfall is likely to be increase than the normal during this week (21.06.2023 to 27.06.2023) From 2.45 mm to 3.78 mm. Due to prevailing weather harvest the matured crops and stored it safely.

Crop(Varieties)	Crop Specific Advisory
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.
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 (21.06.2023 to 27.06.2023) From 2.45 mm to 3.78 mm. Due to prevailing weather harvest the matured crops and stored it safely.

Crop(Varieties)	Crop Specific Advisory
Horticulture(Varieties)	Horticulture Specific Advisory
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.

Dindigul

General Advisory

Rainfall:

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 23rd to 29th June 2023.

Maximum Temperature:

Maximum temperatures is likely to be near normal and are likely to be in the range 32°C to 36°C over the plains of the district during next week. 23nd to 29th June 2023.

Minimum Temperature:

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 20°C to 24°C over the district during next week 23rd to 29th June 2023.

Light to Moderate rain with thunderstorm and lightning is likely to occur at one or two places over district during 21, 22, 23, 24 & 25 June 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.

Since some amount of rainfall has been received recently, and rainfall is expected for the coming days, farmers can plan for ploughing and land preparation activities, and sowing/transplanting work can be started in the already prepared lands. Farmers are also advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rainwater. Postpone the spraying activities for a short while.

Weather Based Agro-Advisories: (Tomato, Bitter gourd & Animal Husbandry).

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 + Pseudomonas 40gm + 2 egg white with 10 litres of water.

Bitter gourd:

The incense of plant hoppers was noticed in Bitter gourd.

To control the hoppers, spray well-fermented curd @ 300ml + pseudomonas @ 40gm + egg white @ 20ml per 10 litres of water after harvesting the vegetables.

Animal Husbandry:

Farmers are advised to provide 2 to 3 grams of baking soda and 15 to 20gms of cooking salt with the routine daily feed of cows, this will help to increase the SNF rate in the milk.

Madurai

General Advisory

Rainfall:

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 23rd to 29th June 2023.

Maximum Temperature:

Maximum temperatures is likely to be near normal and are likely to be in the range 32°C to 36°C over the plains of the district during next week. 23rd to 29th June 2023.

Minimum Temperature:

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 20°C to 24°C over the district during next week 23rd to 29th June 2023.

Light to Moderate rain with thunderstorm and lightning is likely to occur at one or two places over district during 21, 22, 23, 24 & 25 June 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.

Since some amount of rainfall has been received recently, and rainfall is expected for the coming days, farmers can plan for ploughing and land preparation activities, and sowing/transplanting work can be started in the already prepared lands. Farmers are also advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rainwater. Postpone the spraying activities for a short while.

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

Banana:

The occurrence of Cutworm is noticed in the Banana crop. The symptom of damage is young larvae feed by scraping the leaves from the ventral surface, and later on feed voraciously at night on the foliage.

To control spray Bacillus thuringiensis @ 40ml + Sticky agent @ 10ml with 10 litres of water.

Growing the Marigold flower crop as a border crop in a ratio of 16:1 will also give good results for this.

Chilly:

The incense of Chilly thrips is noticed in Chilly fields. The infected leaves develop crinkles and curl upwards. Elongated petiole, Buds become brittle and dropdown.

Early-stage, infestation leads to stunted growth and flower production, and fruit sets get arrested.

To avoid this, intercrop with Agathi crop (Sesbania grandiflora) to provide shade which regulates the Thrips population.

Sprinkle water over the seedlings to check the multiplication of Thrips. Spray the insecticide Imidacloprid 17.8% SL @ 3ml/10 litres of water.

Animal Husbandry:

Farmers are advised to provide 2 to 3 grams of baking soda and 15 to 20gms of cooking salt with the routine daily feed of cows, this will help to increase the SNF rate in the milk.

Pudukottai

Extended Range Forecast For Tamil Nadu 25.06.2023 to 01 .06.2023. During the Week from June 25 th to 01 th july Rainfall Above Normal . Maximum temperature Below Normal and minimum temperature Normal is likely to occur over Tamilnadu. Kharif season sowing should be done using the rainfall received.

Crop(Varieties)	Crop Specific Advisory
RICE	Rice transplanting Since rain is anticipated provide drainage for the transplanted short duration Kar rice Farmers who cultivate paddy in kuruvai season Can Apply 200 kg gypsum, 10 kg Zinc sulfate, 15 kg urea, 40 kg DAP and 10 kg potassium at the base per acre.
GROUNDNUT	Using the expected rainfall, weed is recommended for 45 days old of groundnut sown during vaikasi pattam apply gypsum at the rate of 400 kg / ha.
RICE	Moderate to heavy rainfall is expected and hence maintain thin film of water to avoid seed displacement in nursery and seedling displacement in recently planted main field. Moderate to heavy rainfall is expected, postpone main field preparation and transplanting of rice seedlings. By utilizing received rainfall for rice is grown during August, green manure crops like Daincha or sun hemp may be grown and insitu ploughed @ 45 days after sowing.
Horticulture(V arieties)	Horticulture Specific Advisory

BANANA	Bananas are prone to Panama Wilt all season. Symptom: Externally, the first obvious signs of disease in most varieties are wilting and a light yellow colouring of the lower leaves, most prominent around the margins. They eventually turn a bright yellow colour with dead leaf margins. MANAGEMENT: Carbendazim 50 g capsule or 2% carbendazim should be injected. It can be mixed with neem cake.
COCONUT	For nut bearing coconut root feeding of TNAU coconut tonic @ 200 ml per tree.
Live Stock(Varieties)	Live Stock Specific Advisory
GOAT	Due to prevailing weather condition chances of redmite infestation in paddy field. To control spray dicofol 18.5% EC 1250 ml/ha or azadiractin 0.03% 1000 ml/ha.
COW	Fumigation of livestock shed by using neem and nochi leaves will keep the mosquitoes and other vectors away from the animals.
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	For sowing during the ensuing Southeast monsoon season under rainfed conditions select drought tolerant and pest and disease resistant variety CoH(M) 6 in Maize ,Co 8 in sorghum,VBN 6& 8 in Black gram,CO 7 CO 8 in green gram are suitable for rainfed conditions. Inputs such as seeds &Fertilizer may be kept ready for the sowing based on the rainfall distribution.

Ramanathapuram

From extended range forecast, Above normal rainfall, Below normal maximum and normal minimum temperature expected for the period of June 25 to July 01 over Tamil Nadu. Changing weather conditions are favourable for ectoparasites in livestock so apply de-ticking solution externally.

Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	In coconut, to control the Rhinocerosbeetle, the topmost three leaf axils around the spindle filled with Naphthalene balls three to four balls covered with fine sand, once in 45 days. Soak castor cake at 1 kg in 5 litter of water in small mud pots and keep them in the coconut gardens to attract and kill the adults.
COCONUT	Due to the prevailing weather condition, incidence of thanjore wilt is expected in coconut. Initial symptoms of Thanjore wilt start with yellowing and
	drooping of the outer whorl of leaves followed by exudation of reddish brown liquid through cracks at the base of the trunk and decaying of tissues at bleeding point. To manage the wilt, spray Hexaconazole 5 SC 2 ml with 100 ml of water applied as root feeding (3 times at 3 months interval).
Live Stock(Varieties)	Live Stock Specific Advisory

COW	Due to prevailing weather conditions, cattle are affected with tiredness, so that the cattle growers are advised to feed their calf with 30gms of mineral mixture per day. Also, deworm your calf on a regular schedule with the support of a nearby veterinarian.
Poultry(Varieties)	Poultry Specific Advisory
HEN	Due to prevailing weather conditions favourable for ranikhet disease in poultry. The main symptoms are twisting of the neck and paralysis of wings and legs, Diarrhoea, Drop in egg production and sudden death. To prevent ranikhet diseases in poultry contact the local veterinarian for vaccination.

Sivagangai

General Advisory

Rainfall:

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 23rd to 29th June 2023.

Maximum Temperature:

Maximum temperatures is likely to be near normal and are likely to be in the range 32°C to 36°C over the plains of the district during next week. 23nd to 29th June 2023.

Minimum Temperature:

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 20°C to 24°C over the district during next week 23nd to 29th June 2023.

Light to Moderate rain with thunderstorm and lightning is likely to occur at one or two places over district during 21, 22, 23, 24 & 25 June 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.

Since some amount of rainfall has been received recently, and rainfall is expected for the coming days, farmers can plan for ploughing and land preparation activities, and sowing/transplanting work can be started in the already prepared lands. Farmers are also advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rainwater. Postpone the spraying activities for a short while.

Weather Based Agro – Advisories: (Important Crops: Paddy, Coconut & Animal Husbandry)

Paddy:

Since Rainfall is expected in the coming days, farmers planning to plant paddy in the month of August can sow green manures such as Sunhemp, Dhaincha, and Wild indigo in their field and fold it (ploughed) at the time of flowering, ie 45 days later to increase the organic content of the soil.

Coconut:

The incense of Termite is noticed in coconut grooves. Pest population occurs round the year but population increases during June – Sep coinciding with the onset of monsoon.

Termites are likely to cause damage to transplanted seedlings, particularly in the earlier stage. (wilting of seedlings). The base of the trunks is plastered with runways made of soil and fibres.

Locate termite mounds in or near the coconut nursery or garden and destroy them.

Adopt field sanitation by disposal of organic matter in nursery soil and covering germinating nuts with a layer of river sand.

Spray Copper Sulphate 1% or Cashew Nut Shell oil 80% or spray Chlorpyrifos @ 3ml/lit of water, Neem Oil 5% or NSKE 20% to preserve plaited coconut leaves from the termite attack.

Apply calcium at the base of the trunk to control the termite attack. For effective control, swab with neem oil 5% once on the base and up to 2 metre height of the trunk.

Animal Husbandry:

Farmers are advised to provide 2 to 3 grams of baking soda and 15 to 20gms of cooking salt with the routine daily feed of cows, this will help to increase the SNF rate in the milk.

Theni

General Advisory

Rainfall:

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 23rd to 29th June 2023.

Maximum Temperature:

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Since some amount of rainfall has been received recently, and rainfall is expected for the coming days, farmers can plan for ploughing and land preparation activities, and sowing/transplanting work can be started in the already prepared lands. Farmers are also advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rainwater. Postpone the spraying activities for a short while.

Weather Based Agro-Advisories: (Chilly, Tube rose & Animal Husbandry)

Chilly:

At this stage, to maintain the flower retention, control the fruit falling and increase fruit set, spray NAA 10 ppm (10 mg/l of water) for 60 and 100 days after planting. And spray Triaccontanol @ 1.25ml per litre of water on 20, 40, 60 and 80th day of planting.

Tube rose:

The occurrence of Bud Borer is noticed in Tube rose. This pest mainly damages the flowers. Larvae bore into buds and flowers and feed on the internal contents of the bud.

To control, spray Cartap hydro chloride @ 20gm + Emamectin benzoate @ 3gm + sticky agent @ 10ml with 10 litres of water.

Animal Husbandry:

Farmers are advised to provide 2 to 3 grams of baking soda and 15 to 20gms of cooking salt with the routine daily feed of cows, this will help to increase the SNF rate in the milk.

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 irrigate based on the crop need.
Rainfall	Ploughing	In order to store the unexpected rainfall for moisture conservation, farmers are requested to go ploughing.
Sorghum & cumbu (irrigated condition)	Harvest	Farmers are requested to harvest immediately and stored in the air tight room to avoid fungal affect.
Pulse		
Cotton		
Groundnut and Red gram	Rainfall	As rainfall is predicted for next four days farmers are requested to go for sowing.
Sugarcane	Vegetative to tillering stage	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: Two sprayings with neem formulation 0.03% Spray any one of the following: 1. Neem seed kernels extract 5% 2. Neem oil 2% (two rounds)
Citrus		warm condition help to transmit the Citrus greening/Yellow dragon disease bacteria Symptoms: <ul style="list-style-type: none"> • Asymmetrical mottling of the leaves • Yellowing of midribs • Decline and Dieback of entire canopy • Lobsided fruits and productions of aborted seeds • Fruits is small, fruit production is reduced • Fruit drops prematurely Management: <ul style="list-style-type: none"> • Control psyllids with insecticides • Use pathogen free bud wood for propagation

		<ul style="list-style-type: none"> Fortnightly application of tetracyclin @ 500ppm
Coconut	All stages	Sow green manure crops around basin to increase the nutrient and also to utilize for soil moisture conservation
Livestock	Sheep	<p>Enterotoxaemia: Serious bacterial disease of Sheep and goats causes high mortality in young lambs. Incidence is more common after rainy season. 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 will reduce the death rate.</p> <p>Control: Restrict the animals (young lambs) to graze on immature succulent grass /pasture lands which are available plenty after rainy season.</p>

SMS: Rain: 21-24.06-6,3,6&3 mm. Post pone the Irrigation. Harvest the agricultural produce and store in air tight room to avoid wastage. Sugarcane- earthing up and propping. Groundnut (irrigated)- sowing may be done.

Tamil Nadu		
<p>The cyclonic circulation over Southwest & adjoining Westcentral Bay of Bengal off Tamilnadu coast now lies over Southwest & adjoining Westcentral Bay of Bengal off Andhra Pradesh coast between 0.9 km & 5.8 km above mean sea level tilting southwestwards with height.</p> <p>Yesterday's trough now runs from the above cyclonic circulation to Lakshadweep area & adjoining Southeast Arabian Sea across Tamil Nadu and Kerala at 3.1 km above mean sea level.</p>		
Next five days	Weather warning	<p>Light to moderate rain at a few places over North Tamilnadu, Puducherry, Karaikal area, at isolated places over South Tamil Nadu with Thunderstorm, lightning at one or two places is likely to occur.</p> <p>Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Erode, Salem, Dharmapuri, Krishnagiri, Tirupattur, Vellore, Ranipet and Tiruvannamalai on Day1(21.06.23)</p> <p>Light to moderate rain at a few places over North Tamilnadu, Puducherry, Karaikal area, at isolated places over South Tamil Nadu with Thunderstorm, lightning at one or two places is likely to occur on Day 2(22.06.23)</p> <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 3(23.06.23)</p> <p>Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area on Day 4(24.06.23) & Day 5 (25.06.23)</p>

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 rainfall for moisture conservation, farmers are requested to go ploughing.
	Harvest	Harvested products to be stored in air tighten room to preserve from fungus infection.
Paddy	Nursery and Vegetative	Rainfall is predicted for next five days farmers are advised to avoid for nutrient spray. Maintain appropriate water level to avoid crop lodging
Cotton	Harvest	As rainfall is predicted, Farmers are requested to harvest immediately and stored in the air tight room to avoid fungal affect.
Cumbu		
Sugarcane	Vegetative to tillering stage	Very 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	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.
Livestock	Disease Forecast of June month	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. 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.

SMS: Rain: 21-25.06- 8,2,3,4&3 mm. Ploughing may be practiced. Sugarcane- earthing up and propping. Cotton- earthing up.

Tamil Nadu		
The cyclonic circulation over Southwest & adjoining Westcentral Bay of Bengal off Tamilnadu coast now lies over Southwest & adjoining Westcentral Bay of Bengal off Andhra Pradesh coast between 0.9 km & 5.8 km above mean sea level tilting southwestwards with height. Yesterday's trough now runs from the above cyclonic circulation to Lakshadweep area & adjoining Southeast Arabian Sea across Tamil Nadu and Kerala at 3.1 km above mean sea level.		
Next five days	Weather	Light to moderate rain at a few places over North Tamilnadu, Puducherry, Karaikal area, at isolated places over South Tamil Nadu with Thunderstorm, lightning at one or two

warning	<p>places is likely to occur.</p> <p>Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Erode, Salem, Dharmapuri, Krishnagiri, Tirupattur, Vellore, Ranipet and Tiruvannamalai on Day1(21.06.23)</p> <p>Light to moderate rain at a few places over North Tamilnadu, Puducherry, Karaikal area, at isolated places over South Tamil Nadu with Thunderstorm, lightning at one or two places is likely to occur on Day 2(22.06.23)</p> <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 3(23.06.23)</p> <p>Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area on Day 4(24.06.23) & Day 5 (25.06.23)</p>
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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 rainfall for moisture conservation, farmers are requested to go ploughing.
	Harvest	Harvested products to be stored in air tighten room to preserve from fungus infection.
Paddy	Vegetative	Rainfall is predicted for next five days farmers are advised to avoid for nutrient spray. Maintain appropriate water level to avoid crop lodging
Cotton	Harvest	As rainfall is predicted, Farmers are requested to harvest immediately and stored in the air tight room to avoid fungal affect.
Banana	Vegetative to bunch formation stage	To avoid lodging, propping and Earthing-up operation may be practiced
Coconut	Young seedlings	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.
Livestock	Disease Forecast of April month	Theileriosis and Haemorrhagic septicaemia are predicted with very low risk. Preventive measures: Yearly vaccination and Separation of infected one from healthy animals. Sheep & Goat pox - high risk 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.
Fisherman warning	Day 1(20.06.2023) to Day 5(24.06.2023)	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 sea area during the mentioned period

SMS: Rain: 21-23.06-10,2&2 mm. Post pone the Irrigation. Ploughing may be practiced. Banana- propping and Earthing-up. Cotton- earthing up. Coconut- provide staking to young seedlings

Tamil Nadu		
<p>The cyclonic circulation over Southwest & adjoining Westcentral Bay of Bengal off Tamilnadu coast now lies over Southwest & adjoining Westcentral Bay of Bengal off Andhra Pradesh coast between 0.9 km & 5.8 km above mean sea level tilting southwestwards with height.</p> <p>Yesterday's trough now runs from the above cyclonic circulation to Lakshadweep area & adjoining Southeast Arabian Sea across Tamil Nadu and Kerala at 3.1 km above mean sea level.</p>		
Next five days	Weather warning	<p>Light to moderate rain at a few places over North Tamilnadu, Puducherry, Karaikal area, at isolated places over South Tamil Nadu with Thunderstorm, lightning at one or two places is likely to occur.</p> <p>Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Erode, Salem, Dharmapuri, Krishnagiri, Tirupattur, Vellore, Ranipet and Tiruvannamalai on Day1(21.06.23)</p> <p>Light to moderate rain at a few places over North Tamilnadu, Puducherry, Karaikal area, at isolated places over South Tamil Nadu with Thunderstorm, lightning at one or two places is likely to occur on Day 2(22.06.23)</p> <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 3(23.06.23)</p> <p>Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area on Day 4(24.06.23) & Day 5 (25.06.23)</p>

Kanyakumari

AGRO ADVISORIES:

S. N.	CROP	STAGES	ADVISORIES
	There are possibility of rainfall on 21.6.23 and 22.6.23. Maximum temperature will range from 33 - 35°C and minimum temperature will range from 24 - 26 °C. 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 8 – 10 km / hr in West direction.		
1.	Coconut	All stages	Bury husks @100 Nos. with concave surface facing upwards or 25 kg of coir pith / palm in circular trenches, dug 30 cm width and 60 cm depth at 1.5 meters radius - preserves the monsoon rains.
2.	Agricultural and Horticultural crops	Planting Stage	Preparatory cultivation can be started for planting of paddy and horticultural crops such as vegetables, rubber, coconut etc
3.	Pepper	Maturity stages	The spike shedding can be reduced by foliar spray of Diammonium Phosphate 1.0% four times viz., before flower initiation (May), during new leaves and flower emergence (June), before spike initiation (July) and pinhead stage of berries (August).
4.	Banana	five month old banana	Prevailing dry weather favours the incidence of fusarium wilt in five month old banana crop. This can be managed by trenching carbedazim at the rate of 1 gram per litre of water.

SMS Advisory

Irrigate the Banana, pepper, nutmeg and clove field due to low rainfall.

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 <i>Bacillus subtilis</i> before sowing of crop can control the incidence root rot diseases
		Keep 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.
Banana	Vegetative stage	Wind speed is expected to be high in the forthcoming days. So, Banana farmers are advised to go for propping to avoid logging of crop of age more than 5 months
		High humidity, prolonged leaf wetness and high temperature favour occurrence of leaf spot complex in banana. Spray Propiconazole at 0.5 ml per litre of water or Carbendazim 3g/l of water or Mancozeb 2g/ l of water. Depending on the severity repeat the spray 2 to 3 times with alternate chemicals at 15 – 20 days interval.
Crops	General	Protect the crop at flowering/ harvest stage (sown in april -chitthiraipattam) by providing proper drainage and take care while drying the harvested produce.
Coconut	Vegetative stage	Mulch coconut basins with the green or dry leaves. Husk burial can be practiced with concave side up either in linear trenches taken in circular trenches taken around the palm at a distance of 2 m from the trunk can conserve water.
Sorghum	Vegetative stage	Accidental grazing of new shoots of sorghum fodder may lead to HCN poisoning and death,hence farmers are advised to take precautionary measures
Livestock	General	The drainage system in cattle shed must be open and blockage free with access to easy cleaning to prevent fly breeding.
Cotton	Vegetative stage	In rice fallow cotton monitor the incidence of red spider mite.
Groundnut	Vegetative stage	Since light to moderate rain is expected, Maintain proper drainage in the field. Avoid fertilizer, Fungicide and pesticide spray.

Namakkal

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
		During the monsoon season, poultry farmers are advised to check the

Poultry	General	moisture and aflatoxin content of the raw materials for feed before purchasing and store them in a well-ventilated damp proof buildings. In the current climatic conditions poultry farmers are advised to make changes in feed formulations based on the suggestions of veterinarians to protect their birds from diseases caused by infectious organisms. During monsoon seasons, there are chances for rain water to enter into the shed and make the litter wet, which will enable the flies to breed in the chicken manure. Hence, farmers are advised to remove manure from their farms from time to time. If it is not possible, they are advised to spray drugs on the chicken manure or mix it with the chicken feed to control the growth of the larva in the manure.
Poultry	General	As the wind speed will be high, the poultry farmers having raised platform sheds should be careful in avoiding feed wastage. High wind speed is expected during next two ensuing months. Addition of vegetable oil in small quantities and using of side hangings will prevent wastage of feed particularly loss of valuable supplements like vitamins.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Green gram	Vegetative stage	Farmers are advised to spray Imidacloprid @ 1.5 ml / liter of water to control the yellow vein mosaic virus disease in Green gram crop.
Banana	Vegetative stage	Banana growers are advised to follow propping to bearing plants with the help of bamboo pole / casuarina pole to avoid falling down due to increase of wind speed.
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.
Vegetable crops	Vegetative stage	Vegetable growers are requested to give foliar spraying with vegetable booster @ 5 gram / litre of water alongwith sticking agent with 15 days interval.\
Cotton	Flowering stage	Farmers are requested to give foliar spraying with cotton plus @ 2.5 kg in 200 litre of water twice at flowering and boll formation stage.

Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

General Advisory –Light to moderate Rainfall Light to moderate rainfall is predicted next five days Farmers are requested to postpone the irrigation to avoid plant root suffocation. High winds cause deformation / lodging of crops. High winds also cause shattering of grains from matured plants. Tall crops like sugarcane, banana is susceptible to strong winds. Hinder agricultural operations like spraying and application of fertilizers and to protect the livestock, poultry and pets	
SMS: light to Moderate rainfall – postpone the irrigation and chemicals. High winds cause deformation / lodging of crops protect to crops.	
Crop	Advisory
Tomato	Tomato Damping off disease Pre-emergence phase : Complete rotting of seedlings.Post-

	emergence phase: Infected tissues become soft and water soaked. Seedlings topple over or collapse. for control measures Drench with copper oxychloride 50% WP @ 2.5 g/l @ 4 l/sq.m. Treat the seeds with metalaxyl-M 31.8% ES @ 2ml/ kg of seeds 24 hours before sowing.
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 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..
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 - combining 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.
Mango	Prevailing weather condition favours Mango anthracnose: This is a fungal disease. It causes leaf spot, blight die back, blossom blight and fruit rot. This pathogen affects the crop both at field and storage conditions also. Management: 1. Spray carbendazim + mancozeb (0.2%). 2. If severity is high repeat the spray at 15 days interval. 3. Before storage treat the fruits with hot water (50-55°C) for 15 minutes
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
Poultry	General	During the monsoon season, poultry farmers are advised to check the moisture and aflatoxin content of the raw materials for feed before purchasing and store them in a well-ventilated damp proof buildings. In the current climatic conditions poultry farmers are advised to make changes in

		feed formulations based on the suggestions of veterinarians to protect their birds from diseases caused by infectious organisms. During monsoon seasons, there are chances for rain water to enter into the shed and make the litter wet, which will enable the flies to breed in the chicken manure. Hence, farmers are advised to remove manure from their farms from time to time. If it is not possible, they are advised to spray drugs on the chicken manure or mix it with the chicken feed to control the growth of the larva in the manure.
Poultry	General	As the wind speed will be high, the poultry farmers having raised platform sheds should be careful in avoiding feed wastage. High wind speed is expected during next two ensuing months. Addition of vegetable oil in small quantities and using of side hangings will prevent wastage of feed particularly loss of valuable supplements like vitamins.
Agro advisory from Krishi Vigyan Kendra		
Green gram	Vegetative stage	Farmers are advised to spray Imidacloprid @ 1.5 ml / liter of water to control the yellow vein mosaic virus disease in Green gram crop.
Banana	Vegetative stage	Banana growers are advised to follow propping to bearing plants with the help of bamboo pole / casuarina pole to avoid falling down due to increase of wind speed.
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.
Vegetable crops	Vegetative stage	Vegetable growers are requested to give foliar spraying with vegetable booster @ 5 gram / litre of water alongwith sticking agent with 15 days interval.\
Cotton	Flowering stage	Farmers are requested to give foliar spraying with cotton plus @ 2.5 kg in 200 litre of water twice at flowering and boll formation stage.

Karaikal

Agro Advisory

Crop/livestock	Stage/Particulars	Agro Advisory
Cotton	Vegetative and flowering stage	Hot dry weather with high day and night temperature and moderate relative humidity prevailed during last few weeks increased the incidence of mealy bug in cotton. Hence, to manage mealy bug in cotton 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.
		In few pockets of Karaikal region wilt in cotton is noticed due to rainfall after prolonged dry spell, moderate relative humidity with excess nitrogen application in cotton. Hence, 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.
Livestock	-	Heat stress is likely to occur in cattle due to prevailing hot weather. Therefore, following steps can be followed to protect livestock from

		<p>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>
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SMS: Provide drainage to crops as light to moderate rain is expected for next five days.

Puducherry

Weather based Agro-Advisories.

Crop	Stage/ Particulars	Agro Advisory
All Crops	All stage	Maintain proper drainage in the field to avoid water logging in fields.
Rice	Tillering stage	To manage rice stem borer, release parasitoid <i>Trichogramma japonicum</i> @1,00,000/ha at active tillering stage (37, 44 and 51 DAP) or Azadirachtin 0.03% @ 4 ml/l or cartaphydrochloride 50% SP @ 2g/l or flubendiamide 20 WG @ 0.25 g/l or thiamethoxam 25 WG @ 0.2 g/l.
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 mixture of neem seed powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown.
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 incorporation in the same field within 45 days or at the time of flowering after planting by using summer rains. Also, raise the bunds to harvest summer rains.
Goat		Farmers are advised to apply Butox solution (2 ml in 1 litre water) externally to remove ecto-parasites in sheep and goats

SMS:

During higher cloud cover and RH, plants cannot able to take any of insecticides and herbicides through spraying, so avoid spraying pesticides to the crops during this week.

Puducherry Block level

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

Light rain to Moderate rain with thunderstorm & lightning is likely to occur in one or two places from 21.06.2023 to 23.06.2023. Light rain to Moderate rain is likely to occur in one or two places on 24.06.2023 and 25.06.2023.

During higher cloud cover and RH, plants cannot able to take any of insecticides and herbicides through spraying, so avoid spraying pesticides to the crops during this week.

Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	To Control Rhinoceros beetle in coconut, Set up Rhino lure pheromone trap @ 5 traps/ha to trap and kill the beetles. Soak castor cake at 1 kg in 5 liter of water in small mud pots and keep them in the coconut gardens to attract and kill the adults. Apply mixture of neem seed powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown.
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Maintain proper drainage in the field to avoid water logging in fields.

