

तमिलनाडु के लिए जिला स्तरीय कृषि मौसम सलाहकार बुलेटिन



DISTRICT LEVEL

**Agro meteorological Advisory Bulletin for the state of
Tamil Nadu Bulletin No. 009/2024**

For the period 0830 IST, 30th January 2024 to
0830 IST, 04th January 2024

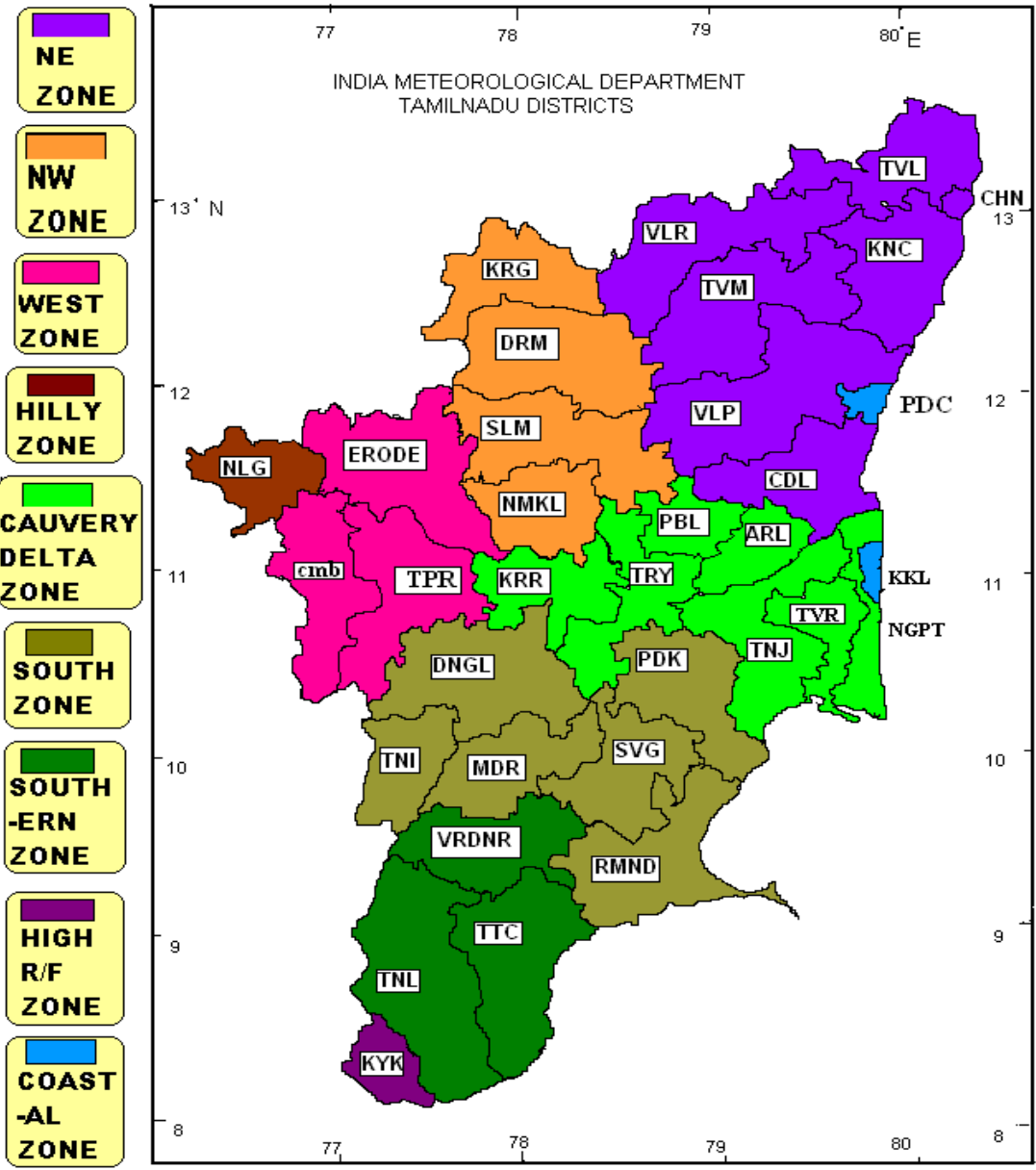
Issued on Tuesday, 30th January 2024

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 25.01.24 to 29.01.24 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range 29°C – 35°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 18°C – 23°C during the period.

Minimum temperature of range 19°C - 26°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 03°C - 09°C during the same period.

Spatial distribution of Rainfall

Spatial distribution of Rainfall	Tamil Nadu	Puducherry
Widespread (Most places)	--	--
Fairly widespread (Many places)	--	--
Scattered (Few Places)	--	--
Isolated (One or Two Places)	27.01.2024	--
Dry	25.01.2024 , 26.01.2024, 28.01.2024 & 29.01.2024	25.01.2024 to 29.01.2024

Chief Amounts of Rainfall (in cms):-

25.01.24 : Mandasa (dist Srikakulam) 1, Palasa (dist Srikakulam) 1, Ichchapuram (dist Srikakulam) 1

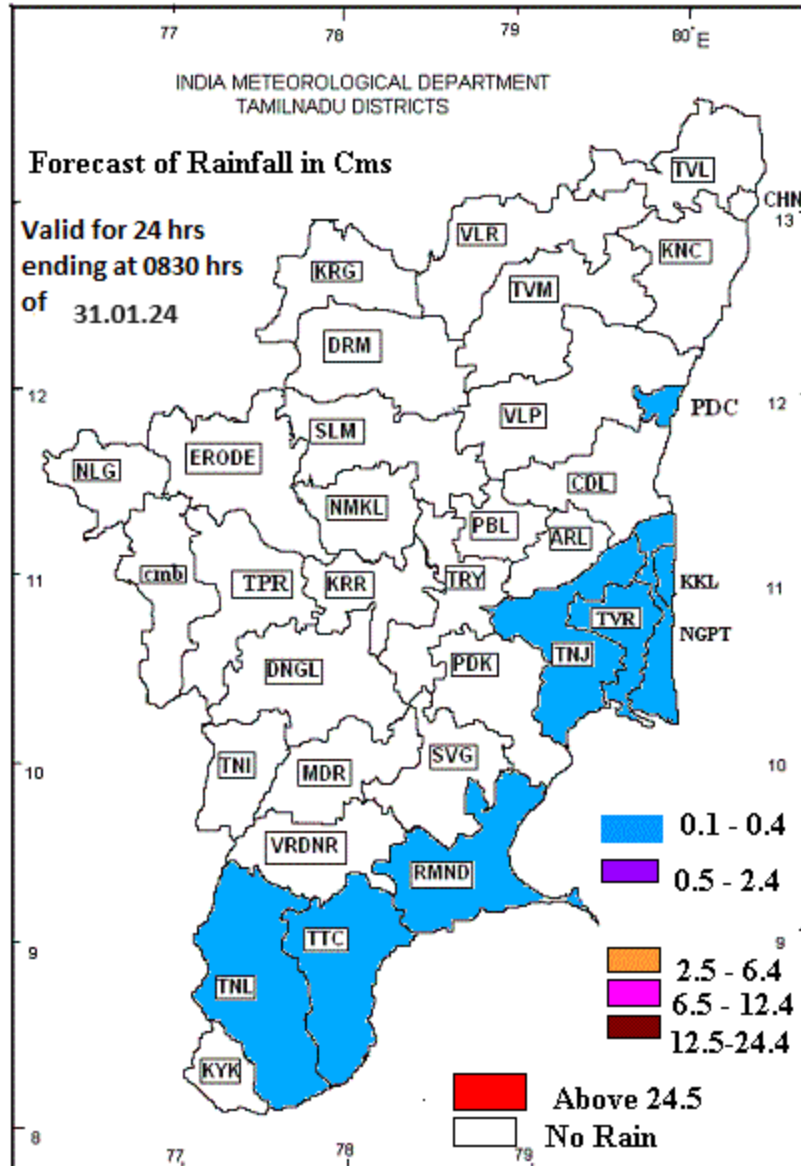
26.01.24 : Nil

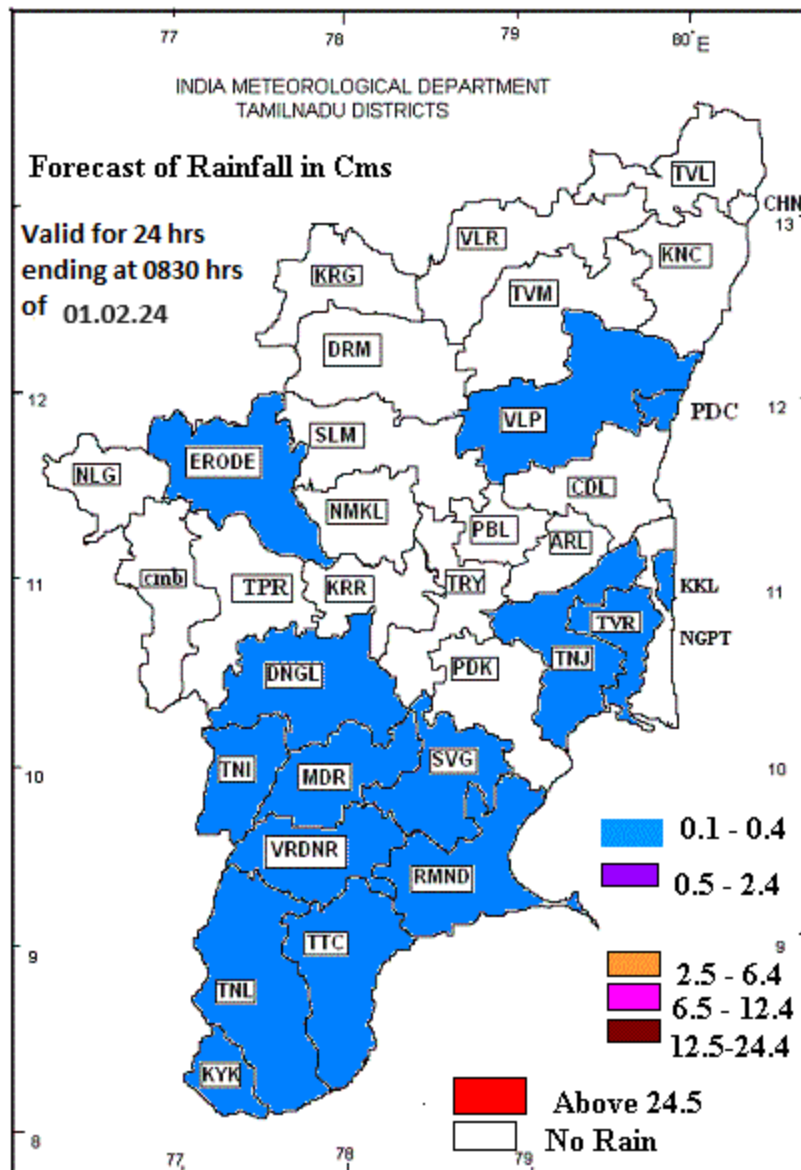
27.01.24 : Nil

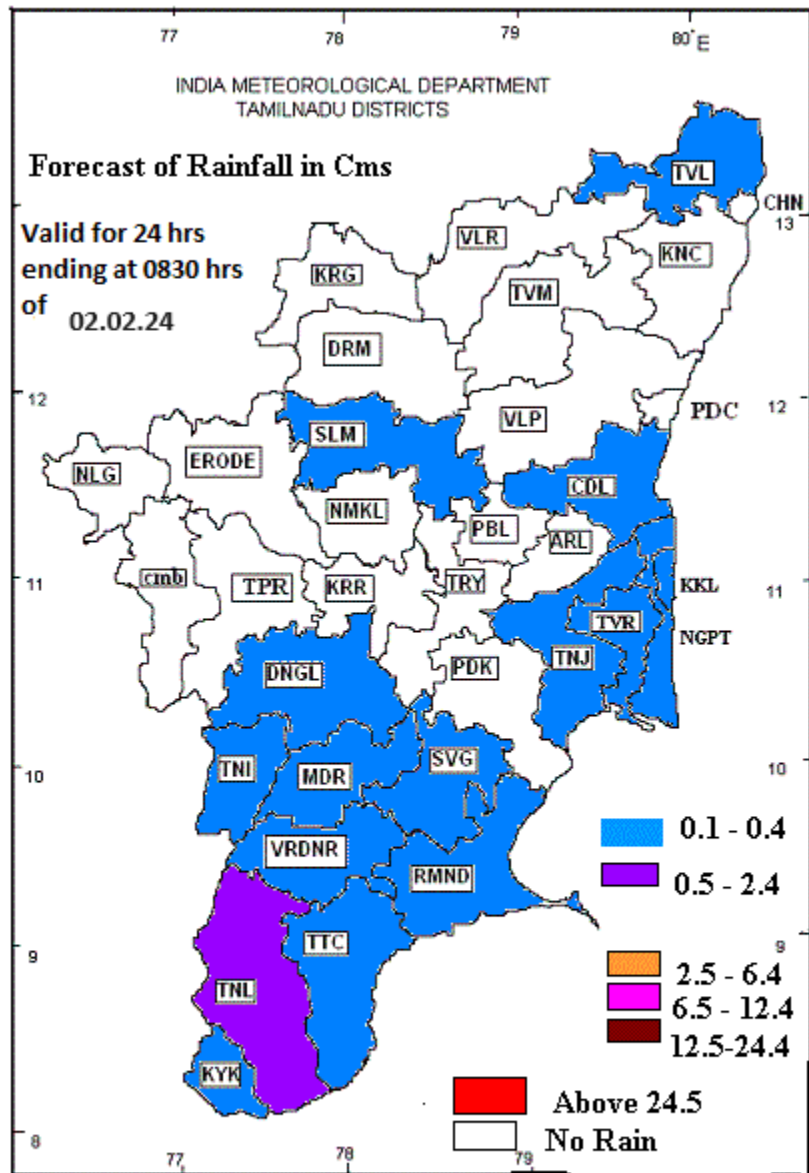
28.01.24 : Nil

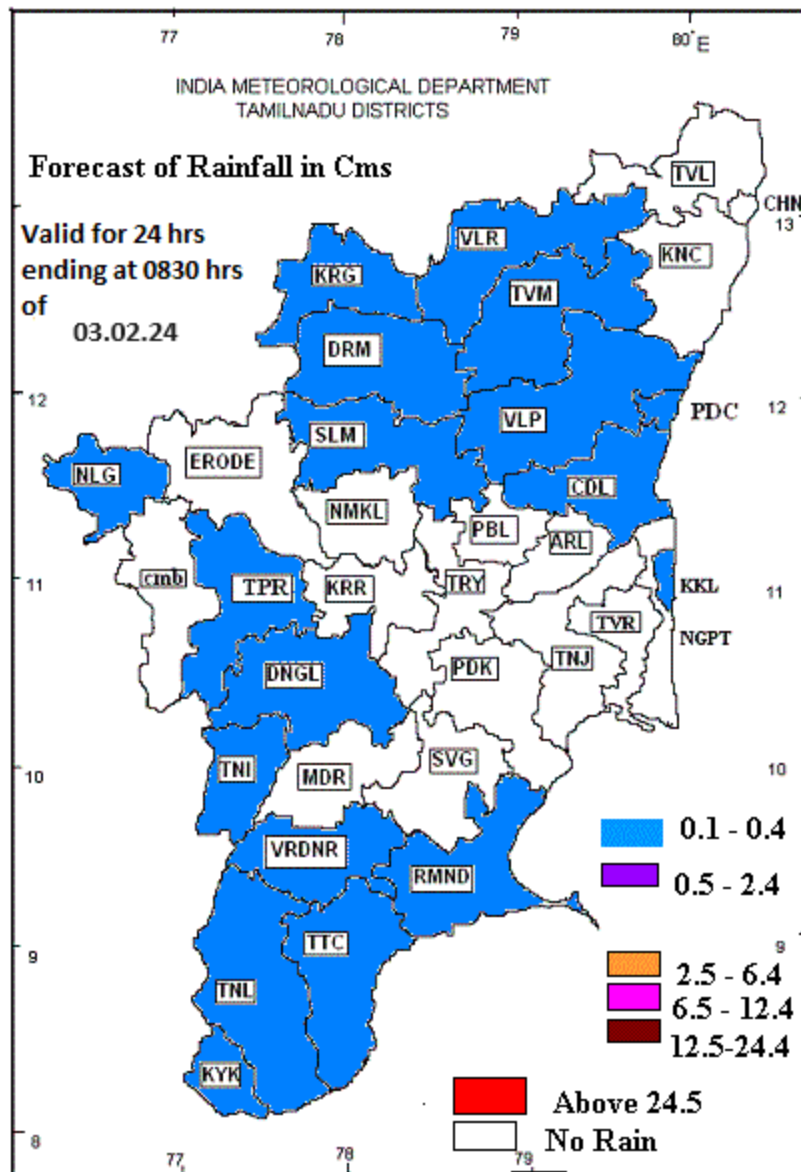
29.01.24 : Nil

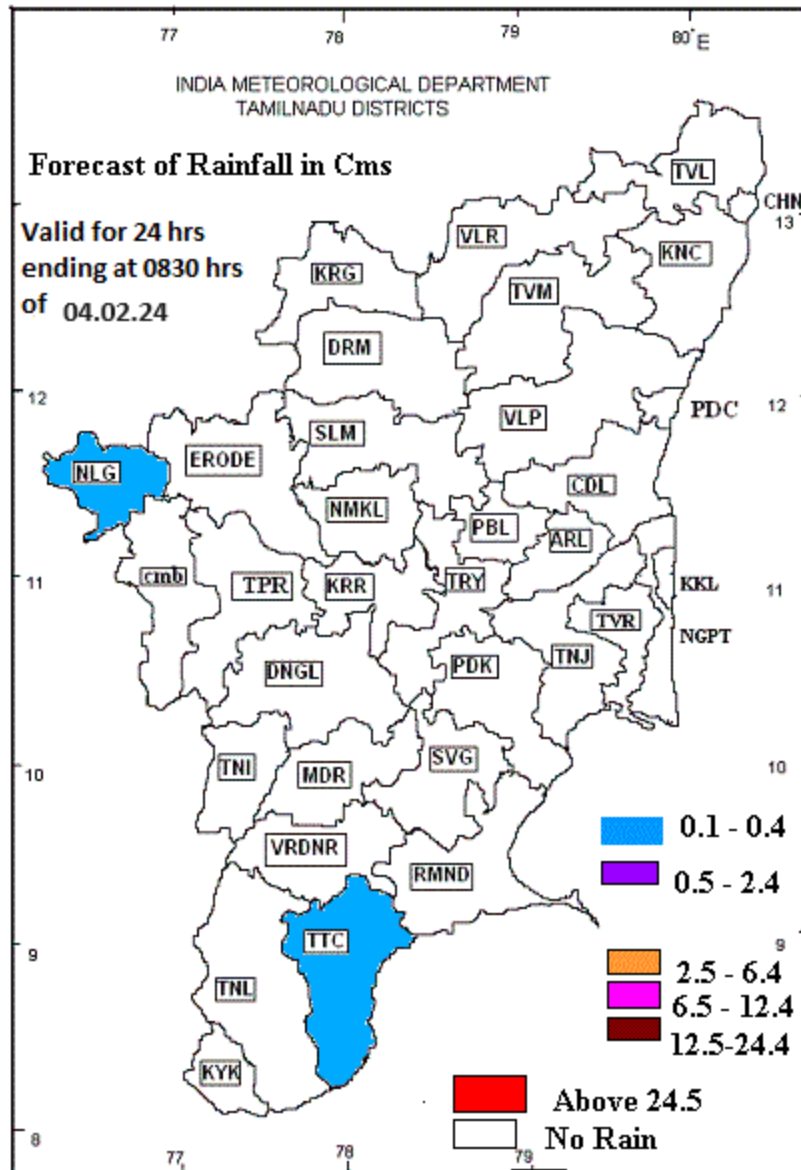
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 30.01.24
VALID FOR THE NEXT 5 DAYS**











District-wise Agromet Advisories

Chennai

SMS Advisory:

(02.02.2024-03.02.2024) Light rain is likely to occur at one or two places over Tamilnadu.

Livestock Advisory :

1. Avoid grazing ruminants during the early morning hours
2. The ruminants must not be tethered in marshy and slushy area to avoid foot rot, they must be housed in damp free elevated places.
3. The drinking water for calves and kids must be heated to body temperature prior to drinking to prevent cold stress
4. Over feeding the dairy calves with lush green fodder may occasionally lead to bloat.
5. The mortality in piglets during winter season may be prevented using heaters at appropriate temperature.
6. This month is conducive for breeding in sheep, it may be allowed for mating this month.
7. The ruminants must not be allowed to graze in dew laden grass before sunrise
8. Rabbit may be allowed by mating now due to conducive environment rabbit will kindle more bunnies during these months due to which necessary reproductive management must be followed.
9. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).

Kancheepuram

SMS Advisory:

(02.02.2024-03.02.2024) Light rain is likely to occur at one or two places over Tamilnadu.

Livestock Advisory :

1. Avoid grazing ruminants during the early morning hours
2. The ruminants must not be tethered in marshy and slushy area to avoid foot rot, they must be housed in damp free elevated places.
3. The drinking water for calves and kids must be heated to body temperature prior to drinking to prevent cold stress
4. Over feeding the dairy calves with lush green fodder may occasionally lead to bloat.
5. The mortality in piglets during winter season may be prevented using heaters at appropriate temperature.
6. This month is conducive for breeding in sheep, it may be allowed for mating this month.
7. The ruminants must not be allowed to graze in dew laden grass before sunrise
8. Rabbit may be allowed by mating now due to conducive environment rabbit will kindle more bunnies during these months due to which necessary reproductive management must be followed.
9. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).

Agricultural advisory

Rice:

The forecasted weather may cause stem borer and 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.

Blackgram:

Farmers are advised to treat the seeds with *Trichoderma viride* @ 4g/kg of seed (or) *Pseudomonas fluorescens* @ 10 g/kg seed before sowing.

Groundnut:

In groundnut there are possibilities of stemrot infestation. For management farmers are advised to application of *Trichoderma viride* @2.5 kg/ha, mixed with 50 kg FYM.

Villupuram

SMS Advisory:

(02.02.2024-03.02.2024) Light rain is likely to occur at one or two places over Tamilnadu.

Livestock Advisory :

1. Avoid grazing ruminants during the early morning hours
2. The ruminants must not be tethered in marshy and slushy area to avoid foot rot, they must be housed in damp free elevated places.
3. The drinking water for calves and kids must be heated to body temperature prior to drinking to prevent cold stress
4. Over feeding the dairy calves with lush green fodder may occasionally lead to bloat.
5. The mortality in piglets during winter season may be prevented using heaters at appropriate temperature.
6. This month is conducive for breeding in sheep, it may be allowed for mating this month.
7. The ruminants must not be allowed to graze in dew laden grass before sunrise
8. Rabbit may be allowed by mating now due to conducive environment rabbit will kindle more bunnies during these months due to which necessary reproductive management must be followed.
9. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).

Agricultural advisory

Rice:

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 pymetrozine 50% WG @ 120 g/ac with sticking agent.

Due to prevailing weather condition false smut is found in paddy crop. To manage the false smut, spray copper oxychloride 50 WG 2.5 g/l or copper hydroxide 77

WG 2.0 g/l or propiconazole 1.0 ml/l at panicle stage and 50 % flowering stage.

Sugarcane:

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

Sett treatment - carbendazim 50 WP @ 2 g/lit for 30 min & imidacloprid 70 WS @ 1.5 ml/lit. for 5 min before planting,

Monitor ant movement in the border rows at regular intervals,

Prophylactic measure - in endemic area, field borders (3 rows) spray imidacloprid 17.8 SL @ 3 ml/10 lit

(or) chlorantraniliprole 18.5 SC 4 ml /10 lit (or) clothianidin 50 WDG @ 5g/10 lit (or) spirotetramet 150

OD @ 12.5 ml/10 lit (or) Flonicamid 50% WG @ 3 g/10 lit. If infestation crosses ETL (10%), the

insecticide application should be repeated at 20 days interval with rotation of above insecticides. Before

spraying ensure de-trashing and it should be done at 5 months after planting.

If Pokkahboeng noticed, spray carbendazim 50 WP @ 2 g/lit or propiconazole 25 EC@ 2 ml/lit + sticking agent @ 1 ml/lit 3 times at 20 days interval. Spray should be directed towards central whorl for better control

Ratoon cropping should be discouraged after two ratooning in the endemic areas

Groundnut:

Due to prevailing weather conditions, there are chances of tobacco caterpillar in groundnut. To control install pheromone trap 5 nos/ac. Spray flubendiamide 20 WG 120 gram/ac or Quinalphos 20 AF @ 500ml/ac.

Cashew:

To control tea mosquito bug first spraying with thiamethoxam 25% WG (100 g/ha) at flushing stage, second spraying with chlorpyrifos 2.0 ml/lit at flowering and third spraying with profenophos 1.0 ml/lit at fruit set stage.

Coconut:

Installation of yellow sticky traps (25 Nos./ ha) on the palm trunk to trap the adult whiteflies. Encourage buildup of parasitoids (*Encarsia* sp.) and reintroduce parasitized pupae at emerging zones of whitefly outbreak.

In severe case, spray neem oil 20 ml/l of water or spray Azadirachtin 2.0 ml/l of water with 1.0 ml of sticking agent.

Tiruvannamalai

SMS Advisory:

(02.02.2024-03.02.2024) Light rain is likely to occur at one or two places over Tamilnadu.

Livestock Advisory :

1. Avoid grazing ruminants during the early morning hours
2. The ruminants must not be tethered in marshy and slushy area to avoid foot rot, they must be housed in damp free elevated places.
3. The drinking water for calves and kids must be heated to body temperature prior to drinking to prevent cold stress
4. Over feeding the dairy calves with lush green fodder may occasionally lead to bloat.
5. The mortality in piglets during winter season may be prevented using heaters at appropriate temperature.
6. This month is conducive for breeding in sheep, it may be allowed for mating this month.
7. The ruminants must not be allowed to graze in dew laden grass before sunrise
8. Rabbit may be allowed by mating now due to conducive environment rabbit will kindle more bunnies during these months due to which necessary reproductive management must be followed.
9. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).

Agricultural advisory

Rice:

Due to the heavy dew falls there is a possibility to prevail the rice blast disease. To control the rice blast disease spray azoxystrobin 25 SC ml/litre.

Redgram:

Foliar spray of TNAU Pulse Wonder @ 2 kg/acre in 200 litres of water at flower initiation stage decreases flower shedding, increases yield

Banana:

To control wilt in banana, apply *Bacillus subtilis* and *Trichoderma viride* @ 2.5 kg/ha. or drenching with *Bacillus subtilis* 5 ml/litre.

Brinjal:

Application of 1.5% foliar spray of PPFM at the flowering stage in Brinjal, will prevent the premature falling of flowers and increase the numbers and quality of fruits.

Tiruvallur

From extended range forecast Below normal rainfall, Normal maximum temperature and minimum temperature expected for the period of 04.02.2024 to 10.02.2024 over Tamil Nadu.

Farmers are advised to irrigate the crop based on the soil moisture.

Crop (Stage)	Crop Specific Advisory
RICE	Crop Specific Advisory RICE Rice- Nursery to Tillering Stages- Due to prevailing weather conditions may be expected for the following pest and disease in paddy fields in order to control- 1). Thrips- Spray Thiamethoxam 25% WG 4g/20 cent in 40 litre of water; 2).Stem bore- Spray Azadirachtin 0.03% 400 ml (Or) Flubendiamide 20% WG 50g per acre in 200 litres of water; 3). Leaf folder- Spray Acephate 75 % SP 400 ml (Or) Spray Azadirachtin 0.03% 400ml per acre in 200 litres of water; 4. Brown spot- Spray propineb 70% WP @ 400 –600 gm/acre or propineb 54.2% + tricyclazole15 % WP @ 500 gm/acre.
BLACK GRAM	Black gram-Seed treatment- <i>Trichoderma viride</i> @ 4g/kg of seed (or) <i>Pseudomonas fluorescens</i> @ 10 g/kg seed.
GROUNDNUT	Groundnut- Vegetative stages -Due to prevailing weather conditions may be expected for Early leaf spot disease in groundnut fields in order to control
Crop (Stage)	Crop Specific Advisory
	spray carbendazim @ 200g (or) Spray chlorothalonil @ 400g per acre in 200 liters of water.
Horticulture (Stage)	Horticulture Specific Advisory
CHILLI	Chilli- Vegetative stages -Due to prevailing weather conditions Thrips may be expected in chilli fields in order to control spray imidacloprid 17.8% SL 3 ml/ 10 litre of water (OR) Spray fipronil 5% SC 1.5 ml/ 1 liter of water.

Vellore

As per the IMD extended range forecast (ERF), below normal rainfall and normal temperature is likely over Tamil Nadu and Puducherry during 4th to 10th February , 2024. Prevailing weather condition is favorable for pest and disease incidence. So, Farmers are advised to monitoring the fields regularly and take precaution measures.

Very light rainfall with dry weather may be expected on forthcoming days. So, farmers are advised irrigate the field based on soil moisture.

Crop (Stage)	Crop Specific Advisory
RICE	Due to the heavy dew falls there is a possibility to prevail the rice blast disease. To control the rice blast disease spray azoxystrobin 25 SC ml/litre.

RICE	In the planting field to apply Beautachlor for weed control 2.5 litre +25 kg / sand per hectare on the third day.
Horticulture (Stage)	Horticulture Specific Advisory
BANANA	To control wilt in banana, apply Bacillus subtilis and Trichoderma viride @ 2.5 kg/ha. or drenching with Bacillus subtilis 5 ml/litre.
Live Stock	Live Stock Specific Advisory
COW	Provide warm drinking water to livestock to maintain body temperature to prevent cold stress. Livestock must be give medicated bath to avoid ectoparasite infestation.
GOAT	For sneezing, cold, and running nose give bolus melonexplus one and bolus sulphadimidine one if adult sheep and goat. If age is six month give each ½ bolus, If age is three months ¼ bolus. Give treatment as per veterinarian.
Poultry	Poultry Specific Advisory
HEN	Respiratory distress and cold may due to raining and chillness. So give ENROCIN BH 1ml per litre of drinking water for four days.

Cuddalore

Weather Advisory:

Dry weather will be expected forthcoming days. Partly cloudy sky appears in next five days. Morning time humidity 90%, in daytime 50-60% will expected. Maximum temperature will be 31.0-32.0°C and Minimum temperature will be 22.0-23.0°C. High wind speed of 8-12 kmph expected.

General Advisory:

From extended range forecast below normal rainfall, normal maximum temperature and minimum temperature expected for the period of 04.02.2024 to 10.02.2024 over Tamil Nadu.

SMS Advisory:

Dry weather will be expected in the forthcoming days, so farmers advised to irrigate crops based on the soil moisture.

Rice :

Due to prevailing weather condition brown plant leafhopper infestation is found in paddy crops. 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 pymetrozine 50% WG @ 120 g/ac with sticking agent.

Rice :

Due to prevailing weather condition false smut is found in paddy crop. To manage the false smut, spray copper oxychloride 50 WG 2.5 g/l or copper hydroxide 77 WG 2.0 g/l or propiconazole 1.0 ml/l at panicle stage and 50 % flowering stage.

Groundnut :

Due to prevailing weather condition there are chances of groundnut leaf miner infestation. To control spray methyl demeton 25 EC 400 ml/ac or dimethiate 30 EC 200 ml/ac.

Groundnut :

Due to prevailing weather conditions, there are chances of tobacco caterpillar in groundnut. To control install pheromone trap 5 nos/ac. Spray flubendiamide 20 WG 120 gram/ac or Quinalphos 20 AF @ 500ml/ac.

Sugarcane :

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

Sett treatment - carbendazim 50 WP @ 2 g/lit for 30 min & imidacloprid 70 WS @ 1.5 ml/lit. for 5 min before planting,

Monitor ant movement in the border rows at regular intervals,

Prophylactic measure - in endemic area, field borders (3 rows) spray imidacloprid 17.8 SL @ 3 ml/10 lit (or) chlorantraniliprole 18.5 SC 4 ml /10 lit (or) clothianidin 50 WDG @ 5g/10 lit (or) spirotetramet 150 OD @ 12.5 ml/10 lit (or) Flonicamid 50% WG @ 3 g/10 lit. If infestation crosses ETL (10%), the insecticide application should be repeated at 20 days interval with rotation of above insecticides. Before spraying ensure de-trashing and it should be done at 5 months after planting.

If Pokkahboeng noticed, spray carbendazim 50 WP @ 2 g/lit or propiconazole 25 EC @ 2 ml/lit + sticking agent @ 1 ml/lit 3 times at 20 days interval. Spray should be directed towards central whorl for better control

Ratoon cropping should be discouraged after two ratooning in the endemic areas

Coconut

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

Coimbatore

Agro Advisory

Crop	Stage	Advisory
General		Dry days are expected during next week with wind speed of 4 -10 km/hr in western zone districts. Maximum temperature is slightly increasing. Irrigation may be done based on soil moisture and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture. By utilizing the dry days complete the harvest of samba paddy, pulses and millets at harvesting stage. After the harvest of crops disc/tiller may be used to plough the land immediately so as to control weeds and also to make the soil friable to conserve summer monsoon rain. Avoid burning of harvested crop residues and incorporation of crop residues in the field will facilitate faster decomposition of residues.
Rice	Grainfilling	Prevailing weather condition is favorable for the ear head bug incidence in paddy crop hence monitor the crop carefully if required spray dichlorvos @ 2ml/liter of water.
Maize	Sowing	By utilizing the favourable weather, sowing of irrigated maize may be continued with assured irrigation.
Bengal gram	Grain filling	Prevailing weather is favorable for pod borer incidence in Bengal gram hence farmers are request to monitor the incidence of above pest and dust malathion or fenthion 5% dust @ 10kg / ac when sufficient soil moisture is available.
Sugarcane	Planting	Under prevailing weather conditions planning may done to plant early season sugarcane as earliest possible, in order to harvest higher productivity
Turmeric	Rhizome maturing	Interval between irrigation in turmeric crop has to be increased to facilitate the maturity. .

Banana		Prevailing weather is favourable for sigatoka leaf spot in banana where soil moisture is high. Therefore, dry the field and remove the affected leaves & burn it. Spray Carbendazim 1 g/lit., of water.
Animal Husbandry		Increase protein level and minerals in the feed concentrate to keep the animals healthy to cope up with the cold condition

SMS advisory

Weather is conducive for sigatoka leaf spot banana where soil moisture is high. Dry the field and spray Carbendazim @1g/liter of water.

Erode

Agro Advisory

Crop	Stage	Advisory
General		Dry days are expected during next week with wind speed of 4 -10 km/hr in western zone districts. Maximum temperature is slightly increasing. Irrigation may be done based on soil moisture and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture. By utilizing the dry days complete the harvest of samba paddy, pulses and millets at harvesting stage. After the harvest of crops disc/tiller may be used to plough the land immediately so as to control weeds and also to make the soil friable to conserve summer monsoon rain. Avoid burning of harvested crop residues and incorporation of crop residues in the field will facilitate faster decomposition of residues.
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Turmeric	Rhizome maturing	Interval between irrigation in turmeric crop has to be increased to facilitate the maturity. .
Banana		Prevailing weather is favourable for sigatoka leaf spot in banana where soil moisture is high. Therefore, dry the field and remove the affected leaves & burn it. Spray Carbendazim 1 g/lit., of water.
Animal Husbandry		Increase protein level and minerals in the feed concentrate to keep the animals healthy to cope up with the cold condition

SMS advisory

Weather is conducive for sigatoka leaf spot banana where soil moisture is high. Dry the field and spray Carbendazim @1g/liter of water.

Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		Dry days are expected during next week with wind speed of 4 -10 km/hr in western zone districts. Maximum temperature is slightly increasing. Irrigation may be done based on soil moisture and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture. By utilizing the dry days complete the harvest of samba paddy, pulses and millets at harvesting stage. After the harvest of crops disc/tiller may be used to plough the land immediately so as to control weeds and also to make the soil friable to conserve summer monsoon rain. Avoid burning of harvested crop residues and incorporation of crop residues in the field will facilitate faster decomposition of residues.
Rice	Grainfilling	Prevailing weather condition is favorable for the ear head bug incidence in paddy crop hence monitor the crop carefully if required spray dichlorvos @ 2ml/liter of water.
Maize	Sowing	By utilizing the favourable weather, sowing of irrigated maize may be continued with assured irrigation.
Sugarcane	Planting	Under prevailing weather conditions planning may be done to plant early season sugarcane as earliest possible, in order to harvest higher productivity
Banana		Prevailing weather is favourable for sigatoka leaf spot in banana where soil moisture is high. Therefore, dry the field and remove the affected leaves & burn it. Spray Carbendazim 1 g/lit., of water.
Animal Husbandry		Increase protein level and minerals in the feed concentrate to keep the animals healthy to cope up with the cold condition

SMS advisory

Weather is conducive for sigatoka leaf spot banana where soil moisture is high. Dry the field and spray Carbendazim @1g/liter of water.

Ariyalur, Karur, Nagapattinam, Perambalur, Thanjavur and Tiruvarur

Agro Advisories

Crop	Stage	Advisory
General		Farmers are requested to download and utilize the agricultural based mobile apps suggested by TNAU (TNAU AAS, Meghdoot and DAMINI).
Rice		Using dry weather, harvested grains may be dried to 13% moisture content to prevent pest damage in storage.
Rice	Flowering	In late Thaladi planting, prophylactic spraying of fungicides viz., Probenconazole (200 ml/acre) or Copper hydroxide (500 g/acre) at the time of booting and milky stages may be adopted towards management of false smut disease.
Blackgram	Sowing	Considering ideal weather condition, black gram seeds can be sown with carbendazim (2g/1kg) treatment to avoid disease incidence.

Coconut	Bearing Stage	To reduce the button shedding under this weather condition, feed the roots with 200 ml of coconut tonic per palm.
Cattle	Cow	Farmers are advised to not allow the livestock to graze near pond and stagnated water area to avoid infestational parasites load in livestock

SMS advisory

Considering ideal weather condition, black gram seeds can be sown with carbendazim (2g/1kg) treatment to avoid disease incidence.

Virudhunagar

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Irrigate the crop on need basis.
rainfed / irrigated crops	Relative humidity/dew	Fungicide spray may be avoided.
Chilli	Fruit formation	Place recorded with dry weather may spray with Spinosad 45% SC 3.2ml/10 litre of water (or) Emamectin benzoate 5%SG 4g/10lit. to control Tobacco Cutworm in Chilli. In order to meet the nutrient requirement, spray 1% solution of 19:19:19 fertilizer.
Sunflower	Heading	Low cloud cover and moderate to high humidity are conducive for the incidence of head borer. Spray 5% Neem oil or 5% Neem Seed Kernal extract before egg laying.
Livestock	Dry condition	Dry condition is expected provide water frequently. Avoid grazing ruminants during the early morning hours The ruminants must not be tethered in marshy and slushy area to avoid foot rot, they must be housed in damp free elevated places.

SMS: Rain: 01-03.02-4,2&1mm. Spray Spinosad 45% SC @ 3.2ml/10 litre of water to control Tobacco Cutworm in Chilli. Spray 5% Neem oil for Sunflower head borer.

Tirunelveli

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Irrigate the crop on need basis.
rainfed / irrigated crops	Relative humidity/dew	Fungicide spray may be avoided.
Paddy	Tillering, panicle initiation stage	Application of fertilizer may be postponed for two days. If rainfall do not persist/record may be practiced. Apply recommended dose of N and K during tillering to avoid nutrient deficiency. Spray Neem seed kernal extract 5% for effective control of pest.
Sunflower	Heading stage	The expected weather having low cloud cover and moderate to high humidity are conducive for the incidence of head borer. To control the pest, spray 5% Neem oil or 5% Neem Seed Kernal extract before egg laying.
Livestock	Dry condition	Dry condition is expected provide water frequently. Avoid grazing ruminants during the early morning hours

		The ruminants must not be tethered in marshy and slushy area to avoid foot rot, they must be housed in damp free elevated places.
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SMS: Rain: 31-03.02-2,4,6&2 mm. Paddy – postponed the fertilizer application. If rainfall do not persist apply N and K to avoid nutrient deficiency. Spray Neem seed kernal extract 5% to control sunflower-head borer.

Thoothukudi

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Irrigate the crop based on local weather condition.
Plant protection	Relative humidity/ dew	Fungicide spray may be avoided.
Cotton	Squaring to boll formation stage	If rainfall do not exist, Spray Phosalone 35% EC@ 2.5 l/ ha or Quinalphos 25 EC@ 2.0 l/ha (or) Emamectin benzoate 5% SG 190-220 g/ha . to control boll worm incidence.
Sunflower	Heading stage	Moderate to high humidity are conducive for the incidence of head borer. To control the pest, spray 5% Neem oil or 5% Neem Seed Kernal extract before egg laying.
Paddy	Tillering, panicle initiation stage	Application of fertilizer may be postponed. If rainfall do not persist/record may be practiced. Apply recommended dose of N and K during tillering to avoid nutrient deficiency. Spray Neem seed kernal extract 5% for effective control of pest.
Sesame	Pod development stage	Prevailing weather condition is favorable for Sesamum phyllody incidence. To control vector, spray Monocrotophos 36 or Dimethoate 30 EC 500 ml/ha.
Chilli	Fruit formation	Dry weather may induce Tobacco Cutworm in Chilli. Spray with Spinosad 45% SC 3.2ml/10 litre of water (or) Emamectin benzoate 5%SG 4g/10lit. In order to meet the nutrient requirement, spray 1% solution of 19:19:19 fertilizer.
Livestock	Dry condition	Dry condition is expected provide water frequently. Avoid grazing ruminants during the early morning hours he ruminants must not be tethered in marshy and slushy area to avoid foot rot, they must be housed in damp free elevated places.

SMS: Rain: 31-04.02-1,3,2,1&1mm. Paddy – postponed the fertilizer application. If rainfall do not persist apply N and K to avoid nutrient deficiency. Spray Neem seed kernal extract 5% to control sunflower-head borer.

Tamil Nadu		
Weather forecast	Next five days	Light rain is likely to occur at one or two places over South Tamilnadu, Delta districts and Karaikal area on Day 1 (31.01.2024). Dry weather is very likely to prevail over rest Tamilnadu and Puducherry. Mist/Haze is likely to prevail at isolated pockets over Interior Tamilnadu during early morning hours on Day 1 (31.01.2024). Light rain is likely to occur at one or two places over Tamilnadu, Puducherry & Karaikal area. Mist/Haze is likely to prevail at isolated pockets over Interior

		Tamilnadu during early morning hours on Day 2 (01.02.2024). Light rain is likely to occur at one or two places over Tamilnadu, Puducherry & Karaikal area on Day 3 (02.02.2024) and Day 4 (03.02.2024). Dry weather is very likely to prevail over Tamilnadu, Puducherry & Karaikal area on Day 5 (03.02.2024).
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Kanyakumari

AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
	There are possibilities of rainfall on 01.02.24, 02.02.24 and 03.02.24. Maximum temperature will range from 32 - 34°C and minimum temperature will range from 23 – 25°C. Mostly cloudy condition may prevail. The morning relative humidity will range from 80 - 90 % and it may range from 40 - 50 % during afternoon. Wind speed may be 06 - 08 km / hr in North direction.		
1.	Horticultural crops	All stages	Irrigation should be given to the newly planted fruit trees and other horticultural crops due to light rainfall.
2.	Coconut	All stages	For nut bearing coconut root feeding of TNAU coconut tonic @ 200 ml per tree.
3.	Paddy	Vegetative stage	Spray Metominostrobin @ 500 ml/ha to control the Brown spot in rice.
4.	Clove	Harvesting stage.	The flower buds should be harvested when the buds change in colour from green to slightly pinkish tinge. They should be fully mature but before opening the buds should be harvested, clusters separated and dried in the sun for four to five days.
5.	Pepper	All stages	Irrigating the plants by hose irrigation or daily by drip irrigation.

SMS Advisory

Pine apple: Spray 1% Bordeaux mixture or Metalaxyl + Mancozeb 0.2% to control the root rot disease in pine apple.

Salem

Weather Advisory Bulletin for livestock, poultry and agro advisory

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Salem:		
Green gram	Seed hardening	Seed hardening can be done by treating the seeds with TNAU Vidhai Amirtham @ 10 ml/kg of seeds and shade dry to increase the drought tolerance capacity and improve germination of seed in rainfed condition
Black gram	Vegetative	During dry spell in mid of the season spray 2% Potassium chloride + 100ppm Boron. This will enhance the drought tolerance and increase the crop yield.

Sugarcane	Planting	New plantation of sugarcane crop should be done after proper preparation of land at proper moisture condition. Deep plough and level the soil. Apply FYM/ Compost at the time of ploughing. Select healthy, diseases-insect free seed materials of your selected variety. Setts should be of planting after setts 1/16/24, 3:15 PM District Advisory https://agromet.imd.gov.in/index.php/District_advisory/pdf_district_advisory?states=33&district=608 2/2 Crop (Stage) Crop Specific Advisory treatment with fungicide (Carbendazim 50 wp @ 1g/1 lit. water). Within 3 days after planting and irrigation, pre-emergence weedicide should be applied to control weeds, spraying of Atrazine 50 WP (80 g/10 li. water) in clear weather conditions. Application of Trichoderma viride to the soil at time of planting.
Cotton	Vegetative	Install pheromone trap @ 5/ac with helilure or spotted bollworm lure to monitor the bollworm incidence
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.
Jasmine	General	To manage budmidge and budworm spray thiacloprid 24 sc @ 1 ml/l of water

Namakkal

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	Due to the prevailing cold weather condition, cattle rearers are advised to allow the cattle for grazing only after 2 hrs of sunrise to avoid fluke infestation. To prevent the infestation of pneumonia and rhinitis of calves and kids they should be protected against cold shock. The side wall of young animals shed must be shielded with gunny bag to prevent cold shock. The top sand (10 cm) of goat house must be replaced with a new sand in every six month so as to prevent parasitic attack. To prevent mosquito menace in livestock rearing areas fumigation with vitex negundo (notchi leaves) leaves weekly once is recommended.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Groundnut	Peg formation stage	Groundnut crop attaining peg formation stage in karthigai season crop. Farmers are advised to take up second hand weeding along with gypsum application (160 kg / acre) and earthing up around the plants to obtain more pod production.
Tapioca	Vegetative stage	Spiraling whitefly in Tapioca Symptoms The infested leaves will become yellow. Development of Sooty mould fungus in lower leaves. Management measures Removal of unwanted weeds and infested leaves. Setting up of yellow sticky trap @10 – 15 numbers / acre for monitoring. If the damage is beyond the economic threshold level, foliar spraying of Neem oil @ 3 % and foliar application of Imidacloprid @ 1 ml / litre or thiamethoxam @ 1 gram / litre of water /acre may be undertaken.
Brinjal	Vegetative	To increase the yield of brinjal give foliar spraying with vegetable booster @ 5 gram /

	stage	liter along with sticking agent at 30 days after planting with 15 days interval.
Banana	Planting stage	Farmers are requested to sow cowpea as intercrop in between the rows of banana to control the weeds and conserve the moisture while planting the banana.
All crops	Vegetative stage	Preparation of Jeevamirth Add 10 kg of fresh cowdung, 2 kg jaggery, 2 kg pulse flour, 10 litres of cow urine and one handful of cultivated soil in 200 litres of water in a barrel and then mix contents thoroughly in clockwise direction. Daily mix the contents thrice keep the barrel under shade condition and cover the barrel with wetted gunny bag. Then apply this jeevamirth solution once in 15 – 20 days for all crops through irrigation water per acre. This will improve the soil health and productivity of crops.

Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

SMS Very light rainfall – based on the local weather give the irrigation and chemicals. Casava Red spider Mites spray Magister 10% EC 2 m.l/lit with sticking agent.	
Crop	Advisory
Tapioca	Tapioca mealy bug Management practices, Infected shoots should be removed. Collect infected dry plants and discard or burn away from the field. In early stage of infection, any one of the following insecticide can be spray: Azadirachtin 0.15 % @ 50 ml/ liter of water, Fish oil resin soap @ 2.0 ml/ liter of water. Any one of the following insecticide can be sprayed on rotation basis as and required Thiamethoxam 25 WG @ 0.5 gram /liter of water, Flonicamid 50 WG @ 0.3 gram/ liter of water, Spirotetramat 150 OD @ 1.25 ml / liter of water.
Chillies	Chillies trips The infested leaves develop crinkles and curl upwards, Elongated petiole, Buds become brittle and drop down, Early stage, infestation leads to stunted growth and flower production, fruit set are arrested for control measures Inter crop with agathi (Sesbania grandiflora) to provide shade which regulate the thrips population, Do not grow chilli after sorghum, Do not follow chilli and onion mixed crop, Sprinkle water over the seedlings to check the multiplication of thrips Fipronil 5 % SC @1.5 ml/lit or Spinosad 45 % SC @ 3.2 ml/10 lit.. Apply or Spray any one of the following insecticide
Mango	Mango crop 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 carbendazin + 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.
Mango	Prevailing weather Mango hoppers incidence Nymphs and adults suck the sap of inflorescence, Withering. Shedding of flower buds and flowers, Presence of honey dew segregation on lower leaves and development of sooty mould. Clicking sound – movement of jassids amidst leaves. Hoppers provide shelter in the cracks and crevices of the barks on the tree Management of the incidence Avoid close planting, as the incidence very severe in overcrowded orchards. Orchards must be kept clean by ploughing and removal of weeds. Spray Imidacloprid 17.8 SL 2.0 ml/10 litter or Dimethoate 30EC 1.5 ml/l.
Jasmine	Jasmine whitefly Nymphs and adults suck the sap from the under surface of the leaves, Infested leaves turn yellow for control measures yellow sticky trap 8 numbers/ha Collect and

	destroy the infested leaves along with life stages of insects, Spray NSKE 5% or dimethoate 30 EC 2ml/lit or methyl demeton 25 EC 2ml/lit
Tomato	Bacterial wilt- High soil moisture. Rapid and complete wilting of plant. Lower leaves drop before wilting. Yellow brown discolouration of tissues. White bacterial ooze from cut ends. Drenching with bleaching powder @ 10 kg / ha.
Paddy	Paddy Brown Spot- prevailing weather condition Temperature of 25-30°C, Relative humidity above 80 per cent, excess of nitrogen aggravates the disease incidence attacks seedling in nursery to milky stage in main field. The disease appears first as minute brown dots later becoming cylindrical or oval to circular to control Carbendazim12% + Mancozeb 63%wp 2.0 g per lit..
Cattle	Mastitis in high yielding cows: Mastitis in a very common problem in high yielding cows caused mainly by bacterias in unhygienic farm conditions. Ethno veterinary medicine for Mastitis: 1. Aloe vera -250g. 2. Turmeric- 50g. (rhizome (or) powder. 3. Calcium hydroxide. (Lime-15g). Preparation: 1. Blend ingredients to form a reddish paste. Application: 1. Make a handful of paste by adding 150-200ml of water. 2. Wash and clean the udder and apply the mixture throughout. 3. Repeat the application 10 times a day for 5 days. 4. Feed 2 lemons twice daily for 3 days.

Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	<p>Due to the prevailing cold weather condition, cattle rearers are advised to allow the cattle for grazing only after 2 hrs of sunrise to avoid fluke infestation.</p> <p>To prevent the infestation of pneumonia and rhinitis of calfs and kids they should be protected against cold shock. The side wall of young animals shed must be shielded with gunny bag to prevent cold shock.</p> <p>The top sand (10 cm) of goat house must be replaced with a new sand in every six month so as to prevent parasitic attack.</p> <p>To prevent mosquito menace in livestock rearing areas fumigation with vitex negundo (notchi leaves) leaves weekly once is recommended.</p>
Agro advisory from Krishi Vigyan Kendra		
Groundnut	Peg formation stage	Groundnut crop attaining peg formation stage in karthigai season crop. Farmers are advised to take up second hand weeding along with gypsum application (160 kg / acre) and earthing up around the plants to obtain more pod production.
Tapioca	Vegetative stage	<p>Spiraling whitefly in Tapioca</p> <p>Symptoms The infested leaves will become yellow. Development of Sooty mould fungus in lower leaves.</p> <p>Management measures Removal of unwanted weeds and infested leaves. Setting up of yellow sticky trap @10 – 15 numbers / acre for monitoring. If the damage is beyond the economic threshold level, foliar spraying of Neem oil @ 3 % and foliar application of Imidacloprid @ 1 ml / litre or thiamethoxam @ 1 gram / litre of water /acre may be undertaken.</p>
Brinjal	Vegetative	To increase the yield of brinjal give foliar spraying with vegetable booster @ 5 gram /

	stage	liter along with sticking agent at 30 days after planting with 15 days interval.
Banana	Planting stage	Farmers are requested to sow cowpea as intercrop in between the rows of banana to control the weeds and conserve the moisture while planting the banana.
All crops	Vegetative stage	Preparation of Jeevamirth Add 10 kg of fresh cowdung, 2 kg jaggery, 2 kg pulse flour, 10 litres of cow urine and one handful of cultivated soil in 200 litres of water in a barrel and then mix contents thoroughly in clockwise direction. Daily mix the contents thrice keep the barrel under shade condition and cover the barrel with wetted gunny bag. Then apply this jeevamirth solution once in 15 – 20 days for all crops through irrigation water per acre. This will improve the soil health and productivity of crops.

Karaikal

Agro Advisory

Crop	Stage	Advisory
Black gram	Sowing	For rice fallow pulses, black gram may be used for sowing till 31st January. Broadcast the seeds 7 days prior to harvest of paddy crop.
Paddy	Flowering stage	The weather conditions viz., temperature and humidity prevailed in the last few weeks may be favourable for the outbreak of blast, brown spot, false smut and grain discoloration in paddy. Hence, as a prophylactic measure to manage diseases in rice; foliar application of Pseudomonas fluorescence or Bacillus subtilis @ 0.5% (5 g /ml per litre) may be done commencing from 45 DAT with 10 days interval for 3 times. The crop in booting stage may be given with any one of the following fungicide viz., Picoxystrobin 7.05 % + Propiconazole 11.7% SC @ 2ml/l or Tricyclazole 20.4 % + Azoxystrobin 6.8 SC % @ 2ml/ l (or) Carbendazim 12 % + Mancozeb 63 % WP @ 2g/ l or Azoxystrobin 18.2 % + Difenconazole 11.4 % SC @ 1ml/ l and again at 50% flowering stage.
Cattle	Babesiosis	There may be an occurrence of babesiosis in cattle in January. Jaundice like symptom, yellowish mucosal membrane of eye, rectum and coffee coloured urine are the symptoms of this disease. If cattle are left unattended, after a few days, suffocation will occur and the cow may die. To control the disease, consult a veterinarian immediately. Keep the cattle shed always clean to avoid this disease. In cattle, as a preventive measure for Babesiasis disease, apply Butox @ 2 ml/l of water on cattle and also spray it on the nearby areas of the cattle shed to control ectoparasites.

SMS: Rice fallow black gram can be sown till 31st January.

Puducherry

Weather based Agro-Advisories.

Crop	Stage/ Particulars	Agro Advisory
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Rice	To manage rice stem borer, release parasitoid <i>Trichogramma japonicum</i> 3 tricho cards/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.
Rice	Prevailing weather condition is favorable for bacterial leaf blight infection in rice crop. White colour streaks appear in leaf and it turns brown in colour and dry. To control spray copper hydroxychloride @ 300 g/ac or Apply the cow dung solution, specific dilution ratio may vary, but typically it ranges from 1:5 to 1:10 (cow dung to water) to the paddy fields. Depending on the severity of bacterial leaf blight, multiple applications may be necessary.
Brinjal	To manage Brinjal shoot borer, apply neem cake 200 kg/ha or spray Emamectin Benzoate 4% SG @ 0.4g/l.
Banana	To control wilt in banana, apply <i>Bacillus subtilis</i> and <i>Trichoderma viride</i> @ 2.5 kg/ha. or soil drenching with <i>Bacillus subtilis</i> 5 ml/litre.
Blackgram Greengram	/Foliar spray of TNAU Pulse Wonder @ 2 kg/acre in 200 litres of water at flower initiation stage decreases flower shedding, increases yield.

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

Puducherry Block level
Ariankuppam, Ozhukarai, Villianur, Bahour, Mannadipet and
Nettapakkam Blocks

Dry weather is very likely to occur from 31.01.2024 to 04.02.2024

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

Crop(Varieties)	Crop Specific Advisory
RICE	Prevailing weather condition is favorable for bacterial leaf blight infection in rice crop. White colour streaks appear in leaf and it turns brown in colour and dry. To control spray copper hydroxychloride @ 300 g/ac or Apply the cow dung solution, specific dilution ratio may vary, but typically it ranges from 1:5 to 1:10 (cow dung to water) to the paddy fields. Depending on the severity of bacterial leaf blight, multiple applications may be necessary.
Horticulture(Varieties)	Horticulture Specific Advisory
BANANA	To control wilt in banana, apply <i>Bacillus subtilis</i> and <i>Trichoderma viride</i> @ 2.5 kg/ha. or soil drenching with <i>Bacillus subtilis</i> 5 ml/litre.
BRINJAL	To manage Brinjal shoot borer, apply neem cake 200 kg/ha or spray Emamectin Benzoate 4% SG @ 0.4g/l.

