

तमिलनाडु के लिए जिला स्तरीय कृषि मौसम सलाहकार बुलेटिन



DISTRICT LEVEL

**Agro meteorological Advisory Bulletin for the state of
Tamil Nadu Bulletin No. 005/2024**

For the period 0830 IST, 16th January 2024 to
0830 IST, 21nd January 2024

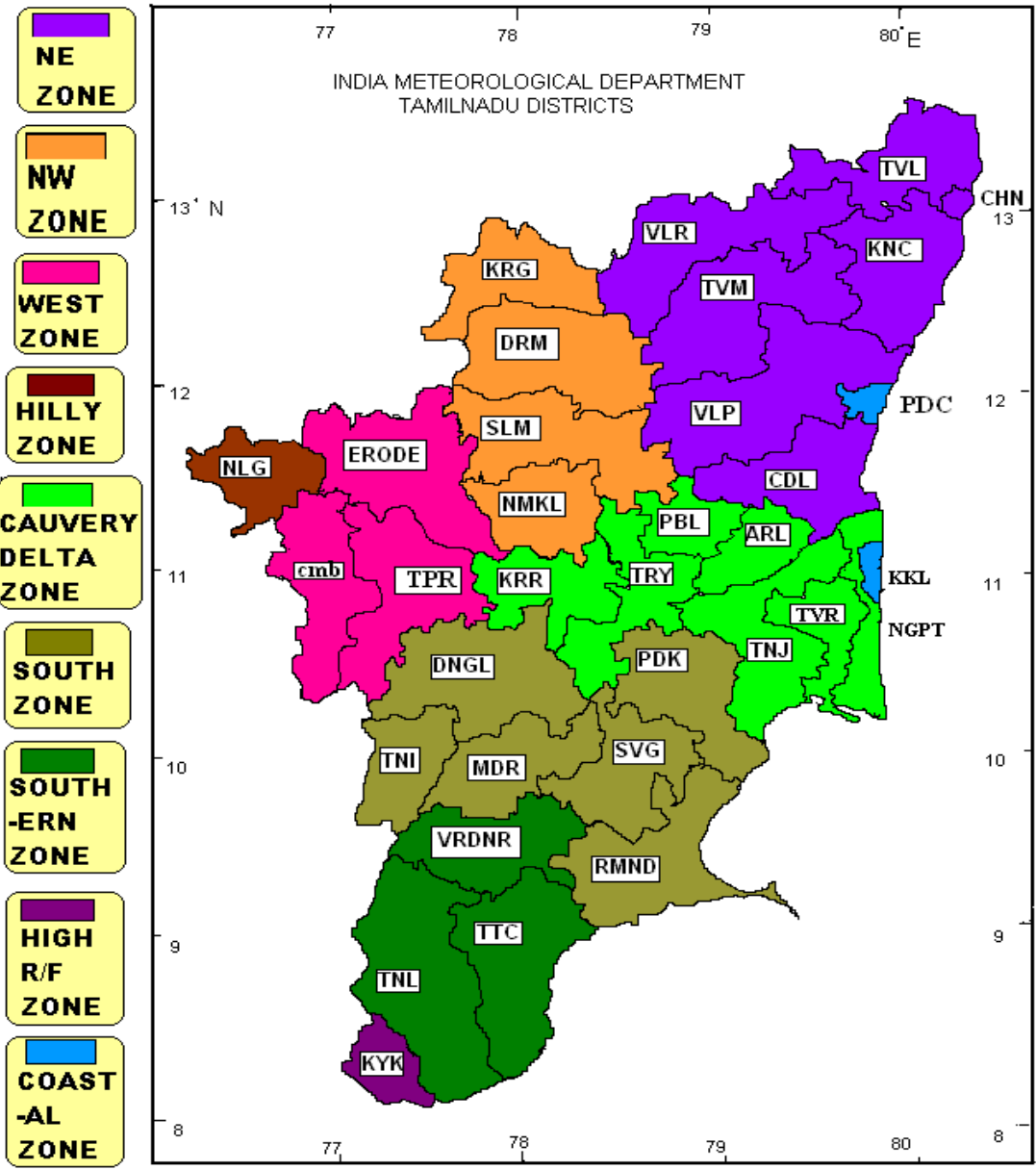
Issued on Tuesday, 16th January 2024

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 12.01.24 to 15.01.24 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range 29°C – 33°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 18°C – 23°C during the period.

Minimum temperature of range 17°C - 26°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 04°C - 10°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)	12-01-2024 & 13-01-2024	--
Dry	14-01-2024 & 15-01-2024	12-01-2024 to 15-01-2024

Chief Amounts of Rainfall (in cms):-

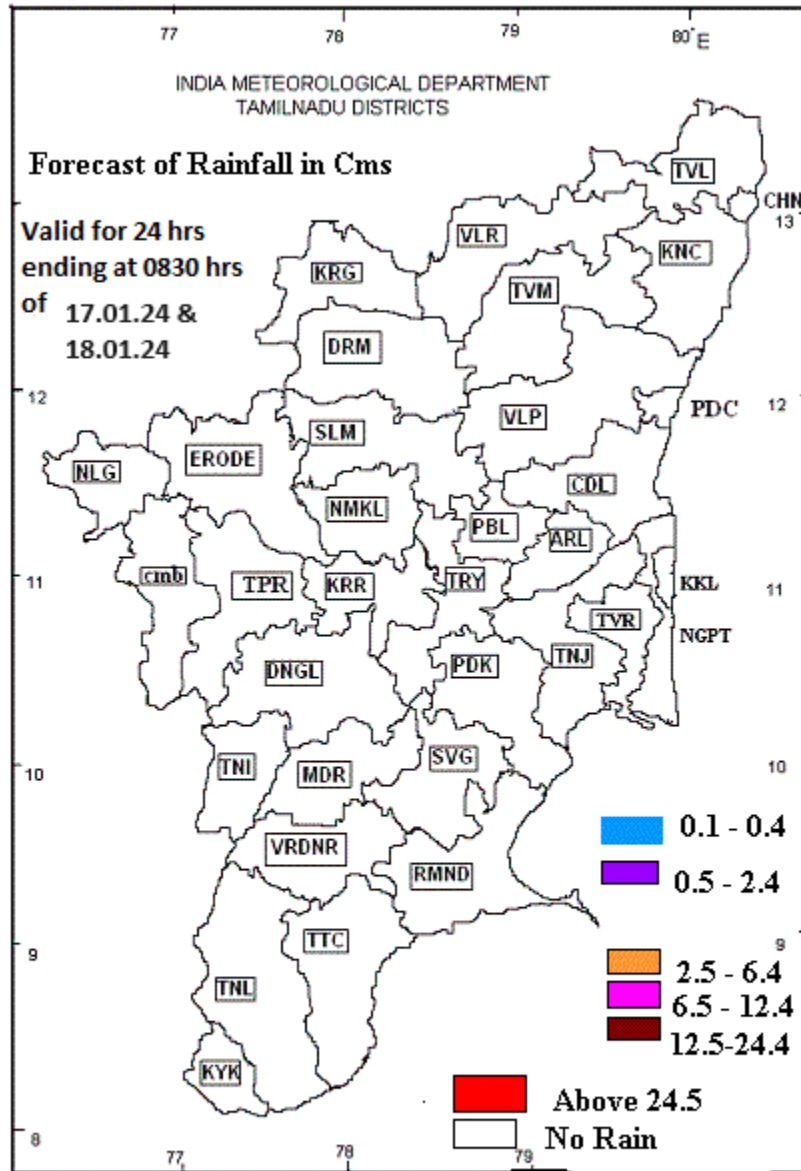
12.01.24 : Oothu (dist Tirunelveli), Nalumukku (dist Tirunelveli), Kakkachi (dist Tirunelveli) 2 each, Manjolai (dist Tirunelveli) 1.

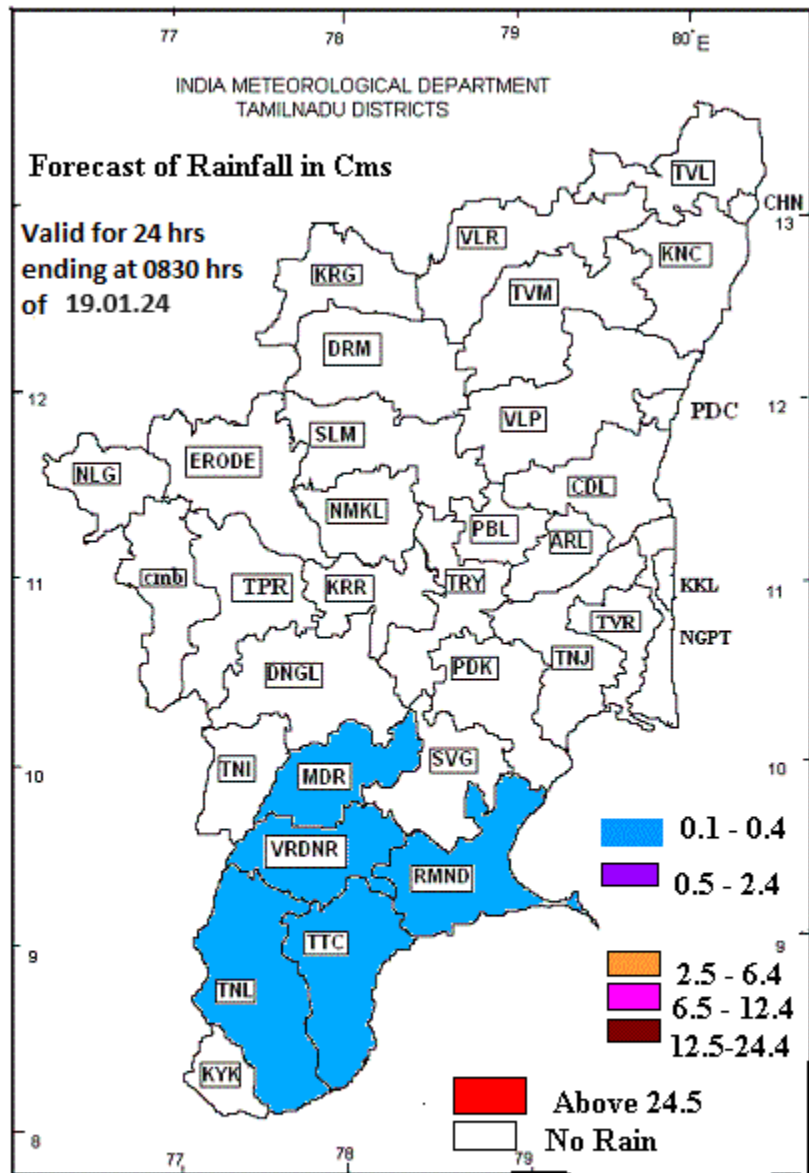
13.01.24 : Nil

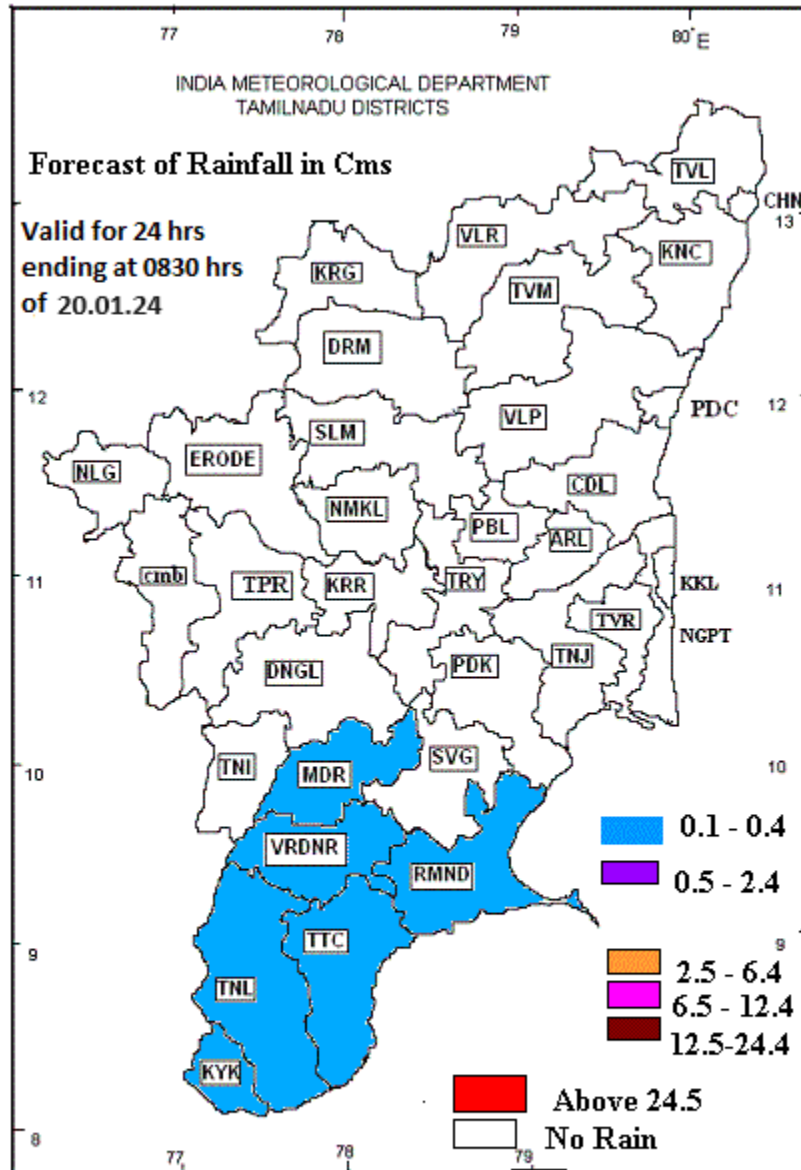
14.01.24 : Nil

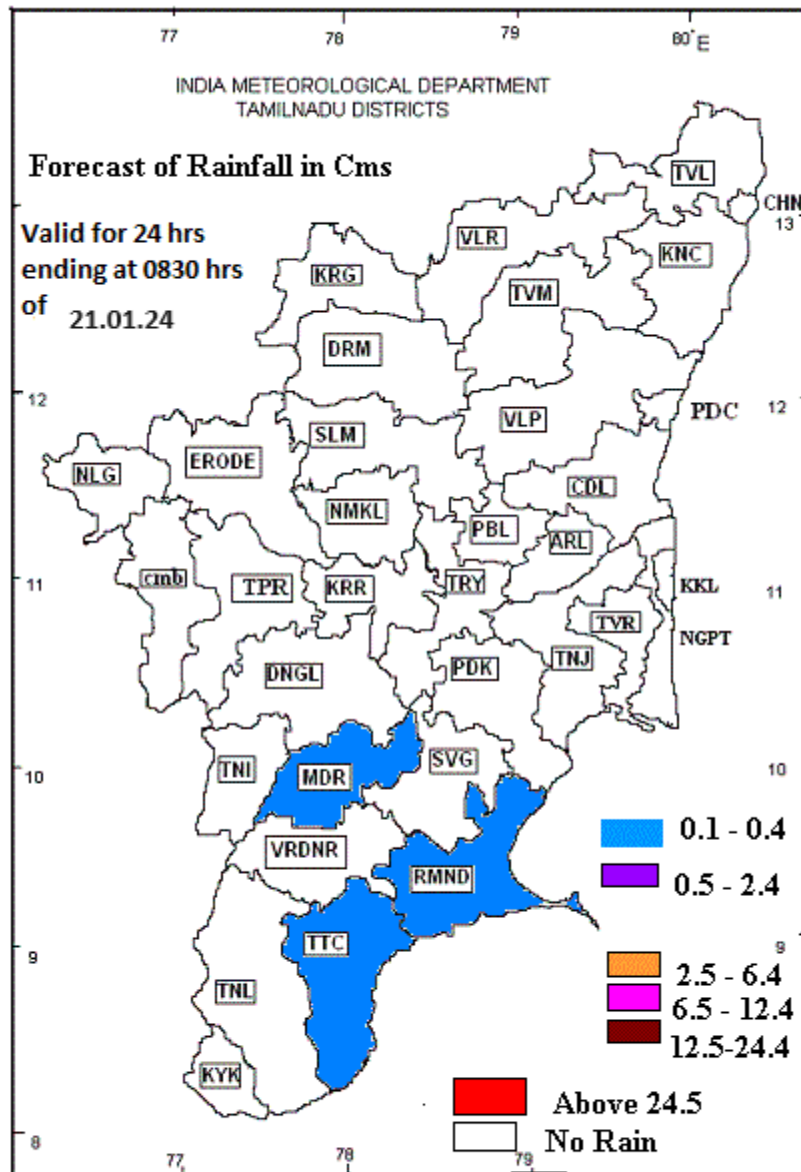
15.01.24 : Nil

**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 16.01.24
VALID FOR THE NEXT 5 DAYS**









District-wise Agromet Advisories

Chennai

SMS Advisory:

(19.01.2024-21.01.2024) Light to moderate 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:

(19.01.2024-21.01.2024) Light to moderate 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:

(19.01.2024-21.01.2024) Light to moderate 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.

Tiruvannamalai

SMS Advisory:

(19.01.2024-21.01.2024) Light to moderate 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.

Vellore

As per the IMD extended range forecast (ERF), normal rainfall and temperature is likely over Tamil Nadu and Puducherry during 21th to 27th January , 2024. Prevailing weather condition is favorable for pest and disease incidence. So, Farmers are advised to monitoring the fields regularly and take precaution measures.

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.
Horticulture (Stage)	Horticulture Specific Advisory
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.
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 chillness. So give ENROCIN BH 1ml per litre of drinking water for four days.

Coimbatore

Agro Advisory

Crop	Stage	Advisory
General		Dry days are expected during next week with wind speed of 6 -10 km/hr in western zone districts. 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.
Rice	Harvest, Flowering and planting	By utilizing the dry days complete the harvest of samba paddy which is at harvesting stage. To increase setting percentage in rice under prevailing cold temperature, spray 2% DAP to rice which is around in flowering. In assured irrigated areas, Navarai season rice planting may be initiated with wet and dry method of irrigation.

Sugarcane	Planting	Under prevailing weather conditions planning may done to plant early season sugarcane as earliest possible,in order to harvest higher productivity
-----------	----------	--

Turmeric	vegetative	Prevailing weather condition is also favorable for the blotch incidence in turmeric. Hence farmers are request to monitor the crop and spray mancozeb @ 2.5 g/liter of water.
Animal Husbandry		Sodium hydroxide may be used as disinfectant (200 gm in 10 liter of water) for foot and mouth disease in cattle's shed and the wounds of the infected animal may be treated with neem oil with turmeric powder.

SMS advisory

By utilizing the prevailing weather early season sugarcane may be planted as earliest possible to harvest higher productivity

Erode

Agro Advisory

Crop	Stage	Advisory
General		Dry days are expected during next week with wind speed of 6 -10 km/hr in western zone districts. 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.
Rice	Harvest, Flowering and planting	By utilizing the dry days complete the harvest of samba paddy which is at harvesting stage. To increase setting percentage in rice under prevailing cold temperature, spray 2% DAP to rice which is around in flowering. In assured irrigated areas, Navarai season rice planting may be initiated with wet and dry method of irrigation.
Sugarcane	Planting	Under prevailing weather conditions planning may done to plant early season sugarcane as earliest possible, in order to harvest higher productivity

Chillies	Vegetative	Prevailing weather condition is favorable for the powdery mildew disease in chilies. Spray Wetable sulphur 3 g/lit or Carbendazim 1 g/lit, 3 sprays at 15 days interval from the first appearance of symptom.
Turmeric	vegetative	Prevailing weather condition is also favorable for the blotch incidence in turmeric. Hence farmers are request to monitor the crop and spray mancozeb @ 2.5 g/liter of water.
Animal Husbandry		Sodium hydroxide may be used as disinfectant (200 gm in 10 liter of water) for foot and mouth disease in cattle's shed and the wounds of the infected animal may be treated with neem oil with turmeric powder.

SMS advisory

By utilizing the prevailing weather early season sugarcane may be planted as earliest possible to harvest higher productivity

Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		Dry days are expected during next week with wind speed of 6 -10 km/hr in western zone districts. 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.
Rice	Harvest, Flowering and planting	By utilizing the dry days complete the harvest of samba paddy which is at harvesting stage. To increase setting percentage in rice under prevailing cold temperature, spray 2% DAP to rice which is around in flowering. In assured irrigated areas, Navarai season rice planting may be initiated with wet and dry method of irrigation.
Sugarcane	Planting	Under prevailing weather conditions planning may done to plant early season sugarcane as earliest possible, in order to harvest higher productivity
Chillies	Vegetative	Prevailing weather condition is favorable for the powdery mildew disease in chillies. Spray Wetttable sulphur 3 g/lit or Carbendazim 1 g/lit, 3 sprays at 15 days interval from the first appearance of symptom.
Turmeric	vegetative	Prevailing weather condition is also favorable for the blotch incidence in turmeric. Hence farmers are request to monitor the crop and spray mancozeb @ 2.5 g/liter of water.
Animal Husbandry		Sodium hydroxide may be used as disinfectant (200 gm in 10 liter of water) for foot and mouth disease in cattle's shed and the wounds of the infected animal may be treated with neem oil with turmeric powder.

SMS advisory

By utilizing the prevailing weather early season sugarcane may be planted as earliest possible to harvest higher productivity

Nilgiris

To manage Fusarium wilt in carnation, soil drenching with carbendazim @ 0.1 % or difenoconazole @ 0.05 % or Pseudomonas fluorescens as soil application @ 25 g/m² and foliar application @ 0.5 % at monthly intervals or soil drenching with Bacillus amyloliquefaciens @ 0.5 % at monthly intervals is recommended.

Foliar application of water-soluble micronutrient mixture @ 0.5 g/liter of water during 30, 45 and 60 days after planting may be done to increase the Garlic bulb yield.

Horticulture (Stage)	Horticulture Specific Advisory
BITTER GOURD (Sowing)	For the preparation of bitter gourd field, Apply 10 kg of FYM (20 t/ha) and 100 g of NPK 6:12:12 mixture per pit as basal and 10 g of N per pit 30 days after sowing. Apply Azospirillum and Phosphobacteria 2 kg/ha and Pseudomonas @ 2.5 kg/ha along with FYM 50 kg/ha and neem cake @ 100 kg/ha before last ploughing.

TEA (Vegetative)	To manage Blister blight in tea crop organic practices like A. Foliage spraying of Panchakavya and Dasakavya 2% (1st & 2nd Spraying) B. copper oxychloride 2gm/liter. (3rd spraying) C. Bacillus subtilis 5gm /liter (4 th spraying) 7 days interval.
Horticulture (Stage)	Horticulture Specific Advisory
BLACK PEPPER (Vegetative)	To manage wilt in pepper, farmers are advised to do the application of copper oxychloride @ 0.2 % (soil drenching) or potassium phosphonate @ 0.3% or metalaxyl @ 0.1 % is recommended.

Nilgiris Block level Coonoor, Gudalur, Kotagiri and Ooty Blocks

To manage Fusarium wilt in carnation, soil drenching with carbendazim @ 0.1 % or difenoconazole @ 0.05 % or Pseudomonas fluorescens as soil application @ 25 g/m² and foliar application @ 0.5 % at monthly intervals or soil drenching with Bacillus amyloliquefaciens @ 0.5 % at monthly intervals is recommended. Foliar application of water-soluble micronutrient mixture @ 0.5 g/liter of water during 30, 45 and 60 days after planting may be done to increase the Garlic bulb yield.

Horticulture(Varieties)	Horticulture Specific Advisory
TEA	To manage Blister blight in tea crop organic practices like A. Foliage spraying of Panchakavya and Dasakavya 2% (1st & 2nd Spraying) B. copper oxychloride 2gm/liter. (3rd spraying) C. Bacillus subtilis 5gm /liter (4 th spraying) 7 days interval.
BLACK PEPPER	To manage wilt in pepper, farmers are advised to do the application of copper oxychloride @ 0.2 % (soil drenching) or potassium phosphonate @ 0.3% or metalaxyl @ 0.1 % is recommended.

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	Harvest	Farmers are advised to properly dry and store the matured Samba paddy which affected during the heavy unusual rainfall.
		In samba paddy field, it is right time to sow the rice fallow pulses. ADT 3, ADT 6 blackgram and ADT 3 green gram varieties are suitable under rice fallow condition.
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	Due to cool night temperature, the livestock particularly the young ones should be kept under shelter with heating arrangements to prevent the incidence of pneumonia.
--------	-----	--

SMS advisory

Farmers are advised to properly dry and store the matured Samba paddy which affected during the heavy unusual rainfall.

Dindigul

SMS Advisory	For the next five days, Maximum temperature would be in the range of 29°C to 31°C and the minimum temperature would be between 20°C-21°C. Mainly clear sky will appear for the next five days. Wind expected with the speed of 6-8 Kmph from, East & Northeast directions.
--------------	--

General Advisory:

Extended range Forecast for next week (19th – 25th Jan 2024):

Rainfall:

As per extended range predictions, there is possibility of generally dry condition likely over the district during 19th to 25th January 2024.

Maximum Temperature:

Maximum temperatures is likely to be to near normal to slightly below normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 19th to 25th January 2024.

Minimum Temperature:

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 16°C to 20°C over the district during next week 19th to 25th January 2024.

Mostly dry weather is expected for the next 5 days, during these days, farmers can plan for crop protection activities.

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

Paddy:

The incidence of Paddy Leaf folder expected in Paddy crop, the symptoms are leaves folding longitudinally and larvae remaining inside. Larvae scrap the green tissue of the leaves and become white and dry. During a severe infestation, the whole field exhibits a scorched appearance.

To control this, tie Trichogramma egg parasitoid cards @ 5cc per acre, thrice at the 37th, 44th, and 51st days after transplanting.

Avoid excessive application of urea.

Install Light trap at 1No. per acre.

Spray NSKE @ 5ml per litre of water or spray Chlorpyrifos 20 EC @ 5ml per litre of water.

Brinjal:

The occurrence of sucking pests like Aphids & whiteflies may be noticed in the Brinjal crop. To control, mix Neem Oil @ 50ml + Pseudomonas @ 50gm + Sticky agent @ 10ml with 10 litres of water. Spray 2 times at 10 days intervals.

Tie Yellow sticky traps @ 10 per acre and Blue sticky traps @ 5 per acre.

Animal Husbandry:

To control the ecto-parasites in sheep & goats, Goat rearing farmers are advised to apply Butox solution (2ml Butox in 1 litre water) externally.

Madurai

SMS Advisory	Chances of very light rain during 19, 20 & 21 Jan. Maximum temperature would be in the range of 29°C to 31°C and the minimum temperature would be between 20°C-21°C. Mainly clear sky will appear for the next five days. Wind expected with the speed of 6-10 Kmph from, Northeast direction.
--------------	--

General Advisory:

Extended range Forecast for next week (19th – 25th Jan 2024):

Rainfall:

As per extended range predictions, there is possibility of generally dry condition likely over the district during 19th to 25th January 2024.

Maximum Temperature:

Maximum temperatures is likely to be to near normal to slightly below normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 19th to 25th January 2024.

Minimum Temperature:

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 16°C to 20°C over the district during next week 19th to 25th January 2024.

Since dry weather is expected for the coming days, Based on the moisture content of your soil, farmers can provide irrigation to the Agriculture & Horticulture crops.

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

Paddy:

The incidence of Grain discolouration is noticed in paddy fields. The paddy grains may be infected by various organisms before or after harvesting causing discolouration, extent of which varies according to season and locality. Dark brown or black spots appear on the grains. This disease is responsible for quantitative and qualitative losses of grains. To control this, during the flowering stage, spray Propiconazole @ 200ml per acre, spray 2 times in 12 days' interval.

Jasmine:

The incense of Blossom midge found in Jasmine. The maggots of the blossom midge enter into the buds at the base of the corollas which results in swelling at the base of the buds.

The infestation leads to stunting and drying of plants or leads to stunted growth and ultimately drying of plants.

To control spray Thiamethoxam 2.5% WG @ 0.75 g/litre or Novaluron @ 3 ml/lit.

Animal Husbandry:

To control the ecto-parasites in sheep & goats, Goat rearing farmers are advised to apply Butox solution (2ml Butox in 1 litre water) externally.

Pudukottai

Grazing of immature tender grasses will lead to low milk fat content. The foodstuffs rich in fibres such as straws/ stovers, cotton seed, bran etc., can be fed during this time.

15 Honey Bee Box Have to set up to increase pollination in coconut.

Crop (Stage)	Crop Specific Advisory
RICE	To improve the organic carbon status as well as water holding capacity in soil, farmers are requested to incorporate the plant residues in the same

	field
Crop (Stage)	Crop Specific Advisory
	instead of burning and dumping as waste in outside the field.
BLACK GRAM	Due prevailing weather conditions Blackgram, powdery mildew disease would be more pronounced due to dew in morning time. Symptom's White powdery patches appear on leaves and other green parts which later become dull coloured. These patches gradually increase in size and become circular covering the lower surface also. When the infection is severe, both the surfaces of the leaves are completely covered by whitish powdery growth. Severely affected parts get shriveled and distorted. To control this spray carbendazim 100 g/ac or wetttable sulphur 1 kg/ac.
Horticulture (Stage)	Horticulture Specific Advisory
COCONUT	All stages Ruosh spiralling whitefly is noticed in the prevailing weather conditions .Application of water, make solution of Encarsia parasitic. Also keep yellow stick trap.
Live Stock	Live Stock Specific Advisory
GOAT	The prevailing weather conditions induced lung allergy to goat kids. Hence keep the kids in warm weather condition.
COW	Feeding of lactating cow Proper feeding of dairy cattle should envisage minim umwastage of nutrients and maximum returns in respect of milk produced. A concentrate mixture made up of protein supplements such as oil cakes, energy sources such as cereal grains (maize, jowar), tapioca chips and laxative feeds such as brans (rice bran, wheat bran, gram husk) is generally used.

Sivagangai

SMS Advisory	For the next five days, Maximum temperature would be in the range of 29°C to 31°C and the minimum temperature would be between 20°C-21°C. Mainly sky will appear for the next five days. Wind expected with the speed of 10-16 Kmph from, Northeast direction.
--------------	--

General Advisory:

Extended range Forecast for next week (19th – 25th Jan 2024):

Rainfall:

As per extended range predictions, there is possibility of generally dry condition likely over the district during 19th to 25th January 2024.

Maximum Temperature:

Maximum temperatures is likely to be to near normal to slightly below normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 19th to 25th January 2024.

Minimum Temperature:

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 16°C to 20°C over the district during next week 19th to 25th January 2024.

Mostly dry weather is expected for the next 5 days, during these days, farmers can plan for crop protection activities.

Weather Based Agro – Advisories: (Impo Coconut:

Kind attention to Coconut farmers. Button shedding is noticed in coconut fields.

To control button shedding, farmers are advised to go with the root feeding of Coconut Tonic of TNAU @ 200ml/Tree.

This can be continued at 6-month intervals.

Groundnut:

Due to the current weather, leaf miner incidence was sporadically recorded in Groundnut.

Farmers are advised to monitor the insect using light traps @ 1 No. per hectare.

If the pest attack increases and crosses the ETL level, farmers can spray Neem seed kernel extract 5% (50ml per litre of water) if needed.

Animal Husbandry:

To control the ecto-parasites in sheep & goats, Goat rearing farmers are advised to apply Butox solution (2ml Butox in 1 litre water) externally.

rtant Crops: Coconut, Groundnut & Animal Husbandry)

Theni

SMS Advisory	For the next five days, Maximum temperature would be in the range of 26°C to 27°C and the minimum temperature would be between 17°C-18°C. Mainly clear sky will appear for the next five days. Wind expected with the speed of 4-6 Kmph from, East & Northeast directions.
--------------	--

General Advisory:

Extended range Forecast for next week (19th – 25th Jan 2024):

Rainfall:

As per extended range predictions, there is possibility of generally dry condition likely over the district during 19th to 25th January 2024.

Maximum Temperature:

Maximum temperatures is likely to be to near normal to slightly below normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 19th to 25th January 2024.

Minimum Temperature:

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 16°C to 20°C over the district during next week 19th to 25th January 2024.

Mostly dry weather is expected for the next 5 days, during these days, farmers can plan for crop protection activities.

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

Banana:

The incense of Rhizome weevil was noticed in the Banana. It grubs bore into the rhizome and cause the death of the plant.

The presence of dark-coloured tunnels is seen in the rhizomes. Death of unopened pip and withering of outer leaves are the other symptoms.

Apply castor cake @ 250g per pit before planting which prevents infestation.

Soil incorporation with 60-100g of Neem kernel powder or Neem cake application at the time of planting and once after 4 months will reduce pest attacks and give good yield.

Cotton:

The incense of Pink bollworm is noticed in Cotton crop. It attacksthe buds, rosette flowers and immature bolls drop off,discoloured lint and burrowed seeds. To manage this, spray any one of the following insecticide Chlorantraniliprole @ 100ml or Fipronil @ 300ml per acre.

Animal Husbandry:

To control the ecto-parasites in sheep & goats,Goat rearing farmers are advised to apply Butox solution (2ml Butox in 1 litre water) externally.

Virudhunagar

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Irrigate the crop.
rainfed / irrigated crops	Relative humidity/dew	Fungicide Spray may be given to avoid diseases due to high relative humidity
Pulses	Harvest	Farmers are requested to go with machine harvest and kept safe.
Maize & Sorghum	Harvest	Farmers are requested to go with machine harvest and kept safe.
Chilli	Flowering	High relative humidity may induce Powdery mildew, spraying of Wetttable sulphur @3 g/lit or Carbendazim 1 g/lit. at 15 days interval of 3 sprays are required from the first appearance of symptom. Trench with neem cake to avoid fungal growth.
Sunflower	Heading	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	Relative humidity	Farmers are requested to provide vaccination immediately.

SMS: Rain: 19&20.01-1&2 mm. Pulses- machine harvest and kept safe. Irrigate ethe crop. Chilli - Powdery mildew- spray Wetttable sulphur @3 g/lit. sunflower- head borer. spray 5% Neem oil.

Tirunelveli

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Wet spell recorded during previous week. Hence, avoid irrigation. However, if crops undergo stress irrigation may be given.
rainfed / irrigated crops	Relative humidity/dew	Fungicide Spray may be given to avoid diseases due to high relative humidity
Pulses	Flowering stage	Spray PULSE WONDER @ 2 kg / acre in 200 litres of water and add adequate quantity of wetting agent to decreases flower shedding and Increases yield up to 20 per cent.
Maize	Harvest stage	Farmers are requested to go with machine harvest and kept safe.
Paddy	Transplanted, Tillering, panicle initiation stage	Raise Azolla as a dual crop by inoculating 500 kg/ha 7 to 10 DAT and then incorporate during weeding for the wet season crop.
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.

Sugarcane	All the stages	Farmers are requested to practice Detrashing, Heavy earthing up and propping to prevent lodging.
Livestock	Relative humidity	Farmers are requested to provide vaccination immediately.
Irrigated crops	Water management	Wet spell recorded during previous week. Hence, avoid irrigation. However, if crops undergo stress irrigation may be given.

SMS: Rain: 19&20.01:1&2 mm. pulse- PULSE WONDER @ 2 kg / acre in 200 litres of water. Irrigate the crop. sunflower- head borer. spray 5% Neem oil. paddy- Azolla @ 500 kg/ha at 7 to 10 DAT.

Thoothukudi

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Irrigate the crop.
Plant protection	Relative humidity/ dew	Fungicide Spray may be given to avoid diseases due to high relative humidity
Black gram	Harvest	Farmers are requested to go with machine harvest and kept safe.
Maize & Sorghum	Maturity	Farmers are requested to go with machine harvest and kept safe.
Cotton	Squaring to boll formation stage	Spray TNAU COTTON PLUS@2.5 kg / acre with 200 litres at Flowering and boll formation. Add adequate quantity of wetting agent to reduces flower and square shedding and improves boll bursting. Thrips incidence was noticed. spray imidachloprid 200 SL @100 ml or Dimethoate 30 % EC@500 ml/hect. or NSKE 5% @ 2 kg/ha. Low cloud cover and humidity, may be boll worm incidence. 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 .
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.
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	Flowering	High relative humidity induces Powdery mildew, spraying of Wettable sulphur @3 g/lit or Carbendazim 1 g/lit. at 15 days interval of 3 sprays are required from the first appearance of symptom. Trench with neem cake to avoid fungal growth.
Banana	Vegetative to bunch formation	To overcome the wind damage, propping may be practice to prevent lodging.
Livestock	Relative humidity	Farmers are requested to provide vaccination immediately.

SMS: Rain: 19-21.01-2,3&1 mm. Pulses- machine harvest. Irrigate the crop. Chilli - Powdery mildew-spray Wettable sulphur @3 g/lit. sunflower- head borer. spray 5% Neem oil. Sesame – phyllody- spray Dimethoate 30 EC 500 ml/ha.

Tamil Nadu		
Weather forecast	Next five days	<p>Dry weather is very likely to prevail over Tamilnadu, Puducherry & Karaikal area on Day 1 (17.01.2024) and Day 2 (18.01.2024).</p> <p>Light rain is likely to occur at one or two places over South Tamilnadu from Day 3 (19.01.2024) to Day 5 (21.01.2024).</p> <p>Dry weather is very likely to prevail over North Tamilnadu, Puducherry & Karaikal area Day 3 (19.01.2024) to Day 5 (21.01.2024).</p>

Kanyakumari

AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
	<p>There is no possibility of rainfall during forthcoming five days. Maximum temperature will range from 31°C and minimum temperature will range from 21 - 22°C. Partly cloudy condition may prevail. The morning relative humidity will range from 80 % and it may range from 40 - 50 % during afternoon. Wind speed may be 8 - 12 km / hr in North East direction.</p>		
1.	Horticultural crops	All stages	Irrigation should be given to fruit trees, spices, vegetables and other horticultural crops.
2.	Banana	All stages	To control sigatoka leaf spot in banana, spraying of propiconazole 1 ml /litre + teepol 0.5 ml /litre.
3.	Tapioca	All stages	Spraying of fish oil rosin soap @ 25g/litre for the management of tapioca mealy bug.
4.	Mango	Flowering stage	Spray two rounds of Acephate @ 1 g /litre or phasolone @ 1.5 ml / litre along with sticking agent @ 10 ml / litre of water for management of leaf hopper.
5.	Banana	Shooting	High wind Speed is anticipated it is advised to provide mechanical support to banana crop to avoid lodging.

SMS Advisory

Spray 0.25% copper oxy chloride to control the leaf spot in cinnamon.

Salem

Weather Advisory Bulletin for livestock, poultry and agro advisory

Livestock, Poultry and	Stage	Weather advisory

Crop		
Agro advisory from Krishi Vigyan Kendra, Salem:		
Poultry	General	The farmers rearing poultry in backyard system must prevent the birds from drinking the stagnant water to prevent parasitic infestation.
Cow	Sowing	Prevailing climate is conducive for mastitis infection in milch animals. Hence, clean the udder with 1% KMnO ₄ before and after milking
Goat	General	Don't allow sheep and goat to graze near local water bodies duly this season to avoid internal parasitic infestation. Farmers are advised to not allow the animals graze on fresh pasture.
Crops	General	Irrigate the crop as per requirement and use mulching to reduce evaporation, enhance water holding capacity and soil health
Crops	General	Give popping to all soft slender stemmed crops like banana, vegetables, climbers etc. Clean the drainage channels in crop lowlands to enable proper drainage of excess water in case of exigencies if any.
Crops	General	Tree crop's seedlings can be planted during these days. Ensure proper distance between the plants. The 2/3 portions of the pits should be filled with the mixture of topsoil and powdered dry cow dung/compost. Care should be taken to keep the graft/bud unions above the ground while planting grafted/budded planting materials of tree crops. Apply first dose of fertilizers to the tree crops. Adopt integrated nutrient management system.

Namakkal

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	<p>Control of Haematodia fly menace in dairy farms</p> <p>Haematodia spp. is one of the commonly found biting flies in dairy farms in India. This fly is found in thousands as cluster on animal's body, leave only to lay eggs when animals defecate, because it prefers fresh dung. Both male and females are blood suckers, hence they continuously pierce the skin and suck blood, produce blood loss, irritation, and wound sore in the inner canthus of the eyes, sides of the necks.</p> <p>This fly menace frequently occurs during the months of December, January and February. Due to continuous feeding / biting, animals become restless, stamping their legs, head shaking, wagging of tail, thus result in loss of weight & milk yield. This fly menace can be controlled by frequent removal of dung material and stored in composting yard located away from farm premises.</p> <p>Application of insecticides like Flumethrin and Cypermethrin whenever fly population is high. Application of neem oil to avoid myiasis fly.</p>
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Brinjal	Vegetative stage	To increase the yield of brinjal give foliar spraying with vegetable booster @ 5 gram / liter along with sticking agent at 30 days after planting with 15 days interval.
All crops	Vegetative stage	<p>Preparation of Jeevamirth</p> <p>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</p>

		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.
Tapioca	Vegetative stage	Tapioca farmers are requested to give foliar spraying with zinc sulphate + iron sulphate (5 gram and 10 gram / litre) in 200 litres of water / acre twice @ 60 and 90 days after planting.
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.

Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

Rain : No rainfall – Based on the local weather go for spraying of pesticides and fertilizers. Keep the harvested produce in safe place, Keeping the animals in proper sheds.	
Crop	Advisory
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 Propiconazole 1ml/lit
Bhendi	Yellowing of the entire of veins in the leaf blade is the characteristic symptom. In severe infections the younger leaves turn yellow, become reduced in size and the plant is highly stunted. The veins of the leaves will be cleared by the virus and interveinal area becomes completely yellow or white. In a field, most of the plants may be diseased and the infection may start at any stage of plant growth. Infection restricts flowering and fruits, if formed, may be smaller and harder. The affected plants produce fruits with yellow or white colour and they are not fit for marketing. The virus is spread by whitefly for the control measures Spray azadirachtin 0.03 WSP @ 5 g/10l or methyl demeton 25 EC @ 1.6 ml/l or thiamethoxam 25 WG @ 2 g/lit to kill the insect vector, whitefly.
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
Tomato	Tomato Early Blight Brown spots with concentric rings in a bull's eye pattern with yellow margin. Fruit gets infected through calyx or stem attachment. Brown concentric rings on fruits. For control measures Mancozeb 35% SC @ 2g /lit, or propiconazole 1 ml/litter
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.
Rice	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 Carbendazim 12% + Mancozeb 63%wp 2.0 g per lit.
Chilli	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.
Chilli	Chilli Thrips Symptoms: 1 . Crinkling and curling upwards. 2 . Elongated Petiole. 3 . Buds become brittle and drop down. 4. Early stage infestation leads to stunted growth and flower production and fruit set are arrested. Management: 1. Don't follow chilli and onion mixed crop. 2. Sprinkle water over the seedlings to control the multiplication of thrips. 3 . Spray with Spinosad 45% SC 3.2ml/10 litre of water.
Sugarcane	Sugarcane White Grub symptoms Yellowing and wilting of leaves. Drying of entire crown. Affected canes come off easily when pulled. Cause extensive damage to roots and base of shoot. Affected canes show lodging in the field. Damages can be seen more in ratoon crop when compared to plant crop for control measures Apply Beauveria brongniartii @ 2.5 kg/ha (1*10 ⁹ CFU/g) entopathogenic fungal formulation along with FYM at the time of planting in endemic regions.
Rice	Rice Leaf folder - Larva folds the leaves longitudinally and larva remains inside, Larva scrapes the green tissues of the leaves, which later becomes white and dry, During severe infestation the whole field exhibits scorched appearance for control measures Avoid excessive nitrogenous fertilizers, Keep the bunds clean, Spray NSKE 5 % or Azadirachtin 0.03% 400 ml/ac or Flubendiamide 39.35% M/M SC 20 g/ac
Maize	Maize Fall army worm incidence noticed with the prevailed weather. To control spray any one of the following insecticides / biopesticide (use manually operated or battery-operated high-volume knapsack sprayer only with a spray volume of 500 lit. /ha.) Emamectin Benzoate 5 SG @ 4 grams for 10 litre of water. or Spinetoram 11.7 SC @ 5 ml/10 lit or Novaluron 10 EC @ 10 ml/10 lit.* Preference may be given to the chemical not applied during the previous stage.
Cattle	Mastitis in high yielding cows: Mastitis is a very common problem in high yielding cows caused mainly by bacteria 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.
Goat and sheep	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. Prevention: Regular annual vaccination should be followed prior to rainy season. Young lambs should be vaccinated at the age of 6 weeks. Treatment: Treating the affected animals at early stage with suitable antibiotics will reduce the death rate. Control: Restrict the animals (young lambs) to graze on immature succulent grass / pasture lands which are available plenty after rainy season.

Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	<p>Control of Haematodia fly menace in dairy farms Haematodia spp. is one of the commonly found biting flies in dairy farms in India. This fly is found in thousands as cluster on animal's body, leave only to lay eggs when animals defecate, because it prefers fresh dung. Both male and females are blood suckers, hence they continuously pierce the skin and suck blood, produce blood loss, irritation, and wound sore in the inner canthus of the eyes, sides of the necks.</p> <p>This fly menace frequently occurs during the months of December, January and February. Due to continuous feeding / biting, animals become restless, stamping their legs, head shaking, wagging of tail, thus result in loss of weight & milk yield. This fly menace can be controlled by frequent removal of dung material and stored in composting yard located away from farm premises.</p> <p>Application of insecticides like Flumethrin and Cypermethrin whenever fly population is high. Application of neem oil to avoid myiasis fly.</p>
Agro advisory from Krishi Vigyan Kendra		
Brinjal	Vegetative stage	To increase the yield of brinjal give foliar spraying with vegetable booster @ 5 gram / liter along with sticking agent at 30 days after planting with 15 days interval.
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.
Tapioca	Vegetative stage	Tapioca farmers are requested to give foliar spraying with zinc sulphate + iron sulphate (5 gram and 10 gram / litre) in 200 litres of water / acre twice @ 60 and 90 days after planting.
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.

Karaikal

Agro Advisory

Crop	Stage	Advisory
Paddy	Tillering to 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 <i>Pseudomonas fluorescence</i> or <i>Bacillus subtilis</i> @ 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 % + Difenoconazole 11.4 % SC @ 1ml/ l and again at 50% flowering stage.
Cattle	Babesiosis	<p>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.</p> <p>If cattle are left unattended, after a few days, suffocation will occur and the cow may die.</p> <p>To control the disease, consult a veterinarian immediately. Keep the cattle shed always clean to avoid this disease.</p> <p>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.</p>

SMS: Dry weather is expected for next five days.

