



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

DISTRICT LEVEL

Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 007/2022

For the period 0830 IST, 25th January 2022 to
0830 IST, 30th January 2022

Issued on Tuesday, 25th January 2022

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, Thiruvarur, 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 21.01.22 to 24.01.22 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range **29°C – 36°C** prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range **16°C – 20°C** during the period.

Minimum temperature of range **17°C - 25°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	Date	Area
Widespread (Most places)	--	--
Fairly widespread (Many places)	--	--
Scattered (Few Places)	--	--
Isolated (One or Two Places)	24.01.22	Tamil Nadu
Dry	21.01.22, 22.01.22 & 23.01.22 21.01.22, 22.01.22, 23.01.22 & 24.01.22	Tamil Nadu Puducherry

Chief Amounts of Rainfall (in cms):-

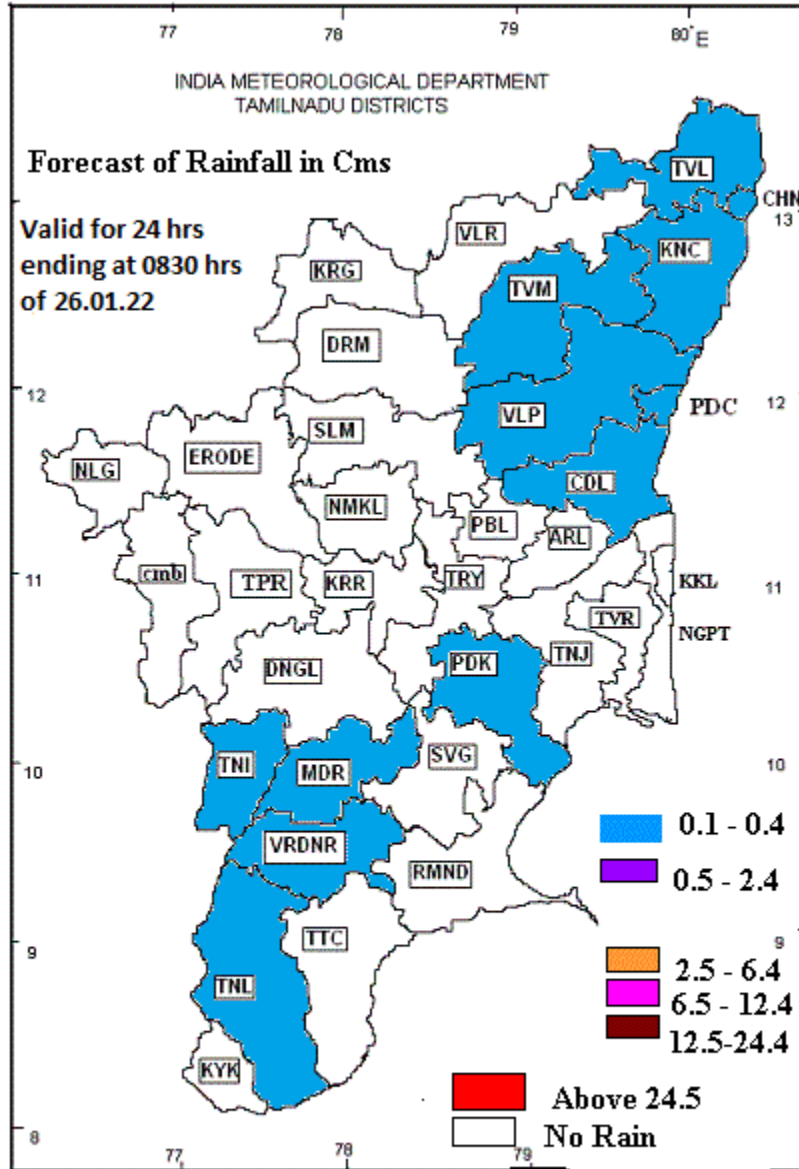
21.01.22 : Nil

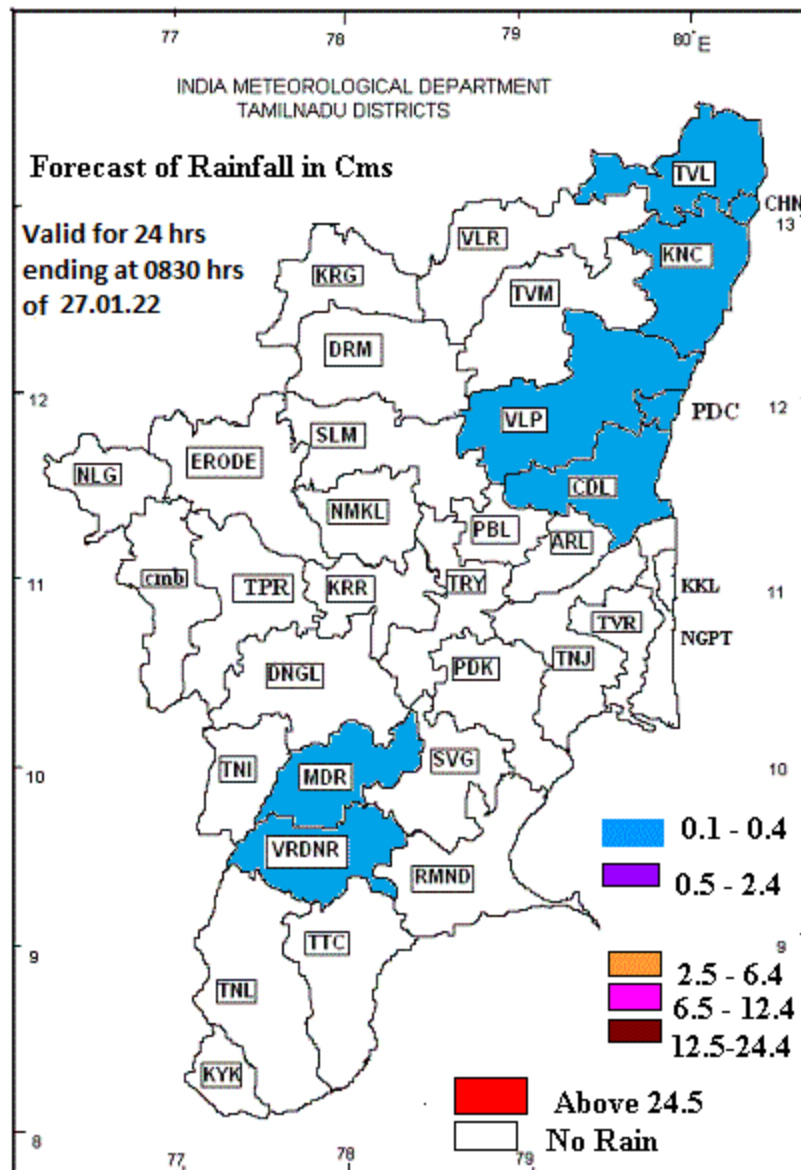
22.01.22 : Nil

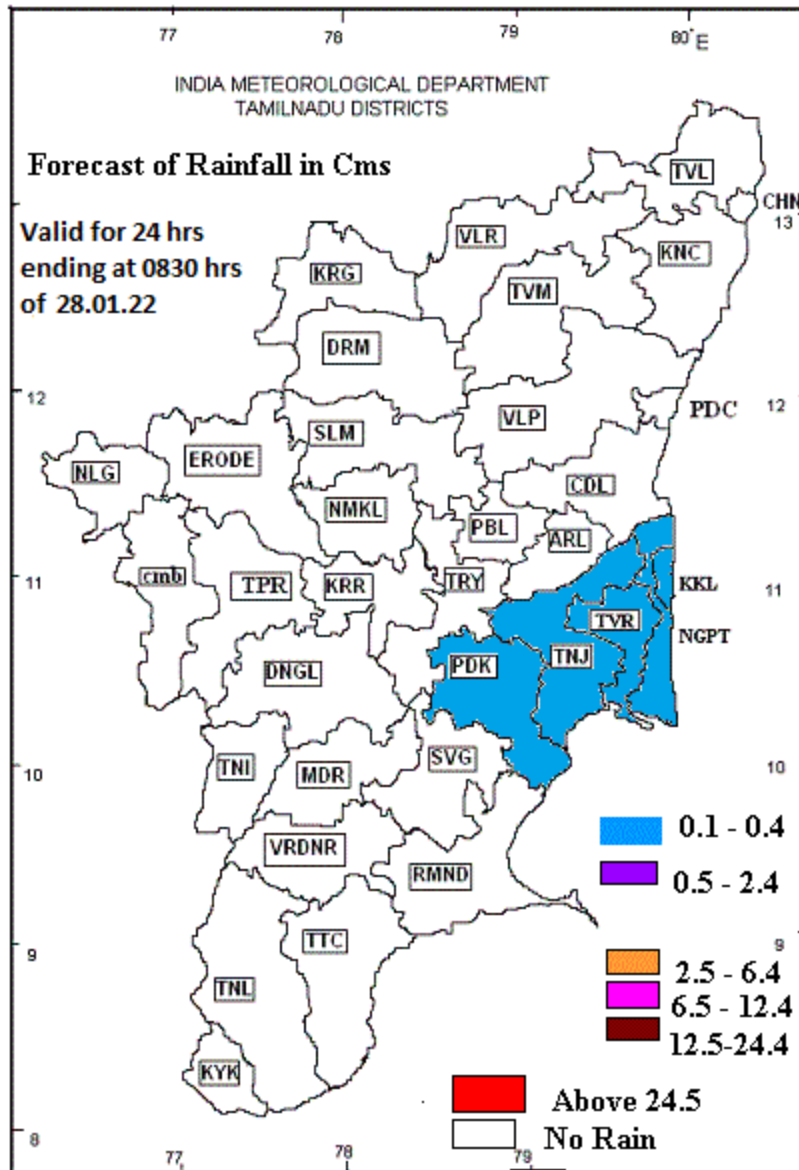
23.01.22 : Nil

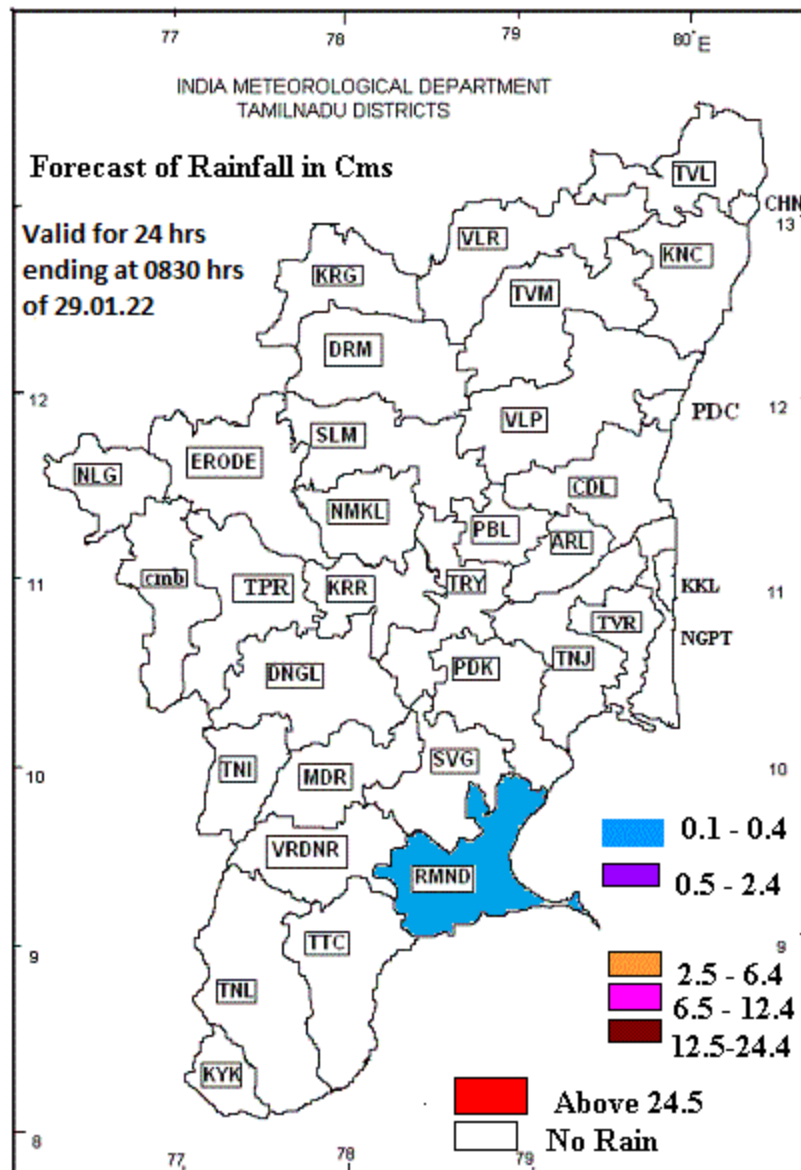
24.01.22 : Chennai Airport (dist Chennai), Tirur Agro (Dist Tiruvallur) Kattapakkam Agro (dist Kancheepuram) 2 each, Tiruvallur (dist Tiruvallur), Pallipattu (dist Tiruvallur), Poonamallee (dist Tiruvallur), Manamelkudi (dist Pudukkottai), Hindustan University (dist Kancheepuram), West Tambaram ARG (dist Chengalpattu), Mahabalipuram (dist Chengalpattu) 1 each.

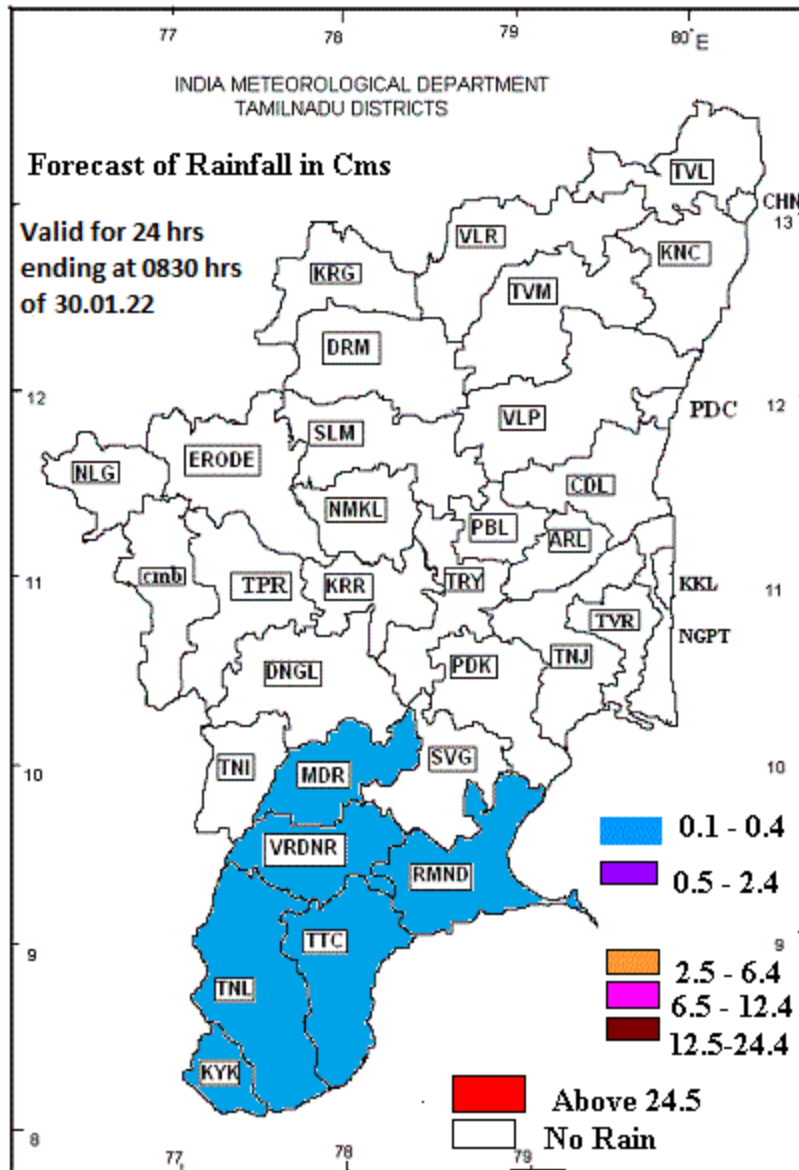
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 25.01.22
VALID FOR THE NEXT 5 DAYS**











Districtwise Agromet Advisories

Chennai

SMS Advisory: (26.01.2022-27.01.2022) Light to moderate rain is likely to occur at isolated places over North Coastal Tamilnadu. Livestock Advisory: 1 Livestock must be give medicated bath to avoid ectoparasite infestation. Moreover dipping must be done on a sunny day. 2 Scabies affected rabbits must be isolated and treated. The cage must be disinfected with flame gun. 3 The surplus fodder available must be preserved as silage for summer feeding.. 4 Newly born piglets must be protected from cold drafts 5 The livestock must be provided in clean wholesome drinking water 6 To prevent the methane and ammonia accumulation in pig sty provision of proper ventilation is necessary. 7 To prevent water stagnation proper drainage must be provided in livestock shelter. 8 The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age). 9 Add 5%shell grit in laying hens for optimum egg production.

Kancheepuram

As per IMD Extended Range Forecast for the period of 30.01.2022 to 05.02.2022 Tamil Nadu & Pondicherry region may likely to receive lesser rainfall than the normal. Farmers are advised to irrigate their crop fields depends on the soil moisture availability. In coconut there are possibilities of Rugose Spiraling whitefly infestation. For management farmers are advised to take up spray of Neem oil @ 3%.

Crop(Varieties)	Crop Specific 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.
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.
GROUNDNUT	There are possibilities of early leaf disease infestation in groundnut. Based on disease symptoms farmers may spray 200 gram of Carbendazim/acre.
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	In coconut there are possibilities of Rugose Spiraling whitefly infestation. For management farmers are advised to take up spray of Neem oil @ 3%
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Farmers may provide 30-50 gram of mineral mixture per animal to improve the production and health status. To avoid parasitic infestation in diary animals farmers are advised to deworm and detick the animals in nearby veterinary dispensary.
SHEEP	To improve growth rate of sheep and goat farmers are advised to provide concentrate feed. Farmers are advised not to allow the animals to graze nearby

	pond and water stagnated area to avoid parasitic infestation.
Fisheries(Varieties)	Fisheries Specific Advisory
INLAND	Due to low temperature and cloudy weather in upcoming five days, the morning feed may be delayed for one hour or more. The fish/prawn feeds may be stored in better condition to avoid fungal infection due to forecasted humid weather. To sustain the plankton intensity in fish ponds farmers may reduce 50 % water exchange level from the original level.
COMMON FISH	Farmers are advised to measure the pond water pH daily and apply dolomite lime at 150 kg/ ha may be applied at a weekly interval. Farmers are advised to add 1-3% of fish oil in daily fish feed to enhance the feed intake and fat content supplements.
ORNAMENTAL FISH	In ornamental fish culture tank may be disinfected with 1-2 ppm of potassium permanganate to avoid the protozoan diseases infestation due to low temperature during rainy days. To avoid parasitic infestation in ornamental fish's bath treatment may be performed once in 15 days interval with 1-3% salt concentration.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Provide B-complex supplementation through drinking water to birds to avoid production loss in birds. Farmers are advised to vaccinate their poultry birds against Ranikhet disease in nearby veterinary dispensary.

Villupuram

SMS Advisory: (26.01.2022-27.01.2022) Light to moderate rain is likely to occur at isolated places over North Coastal Tamilnadu. Livestock Advisory: 1 Livestock must be give medicated bath to avoid ectoparasite infestation. Moreover dipping must be done on a sunny day. 2 Scabies affected rabbits must be isolated and treated. The cage must be disinfected with flame gun. 3 The surplus fodder available must be preserved as silage for summer feeding.. 4 Newly born piglets must be protected from cold drafts 5 The livestock must be provided in clean wholesome drinking water 6 To prevent the methane and ammonia accumulation in pig sty provision of proper ventilation is necessary. 7 To prevent water stagnation proper drainage must be provided in livestock shelter. 8 The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age). 9 Add 5% shell grit in laying hens for optimum egg production. Agricultural advisory: 1. Prevailing weather condition is favorable for bacterial leaf blight and bacterial leafstreak infection in rice crop. To control spray 20% fresh cow dung extract twice(starting from initial appearance of the disease and another at fortnightly interval) or copper hydroxide 77 WP @ 1.25 kg/ha or streptomycin sulphate + tetracycline combination @ 300 g + copper oxychloride @ 1.25 kg/ha spray at appearance of disease. If necessary repeat 15 days later. 2. Due to prevailing weather condition plant brown hopper infestation is found in paddy crop. To manage them, spray imidacloprid 100ml/ha or fipronil 1000g/ha (or) pymetrozine 50 WG (300 g/ha). 2. Due to prevailing weather condition blast infection is found in paddy crop. To manage the blast, spray tricyclazole 75% WP 500 g/ha or carbendazim 50WP @ 500g/ha (or) azoxystrobin 25 SC @500 ml/ha at morning or evening time. 3. 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. 3. Due to prevailing weather condition there are chances of groundnut tikka leaf spot and rust infection. To control spray chlorothalonil 2.0 g/l or mancozeb 2.5 g/l. 4. 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. 5 % SG 4.0g/10 liter.

Tiruvannamalai

SMS Advisory: (26.01.2022-27.01.2022) Light to moderate rain is likely to occur at isolated places over North Coastal Tamilnadu. Livestock Advisory: 1 Livestock must be give medicated bath to avoid ectoparasite infestation. Moreover dipping must be done on a sunny day. 2 Scabies affected rabbits must be isolated and treated. The cage must be disinfected with flame gun. 3 The surplus fodder available must be preserved as silage for summer feeding.. 4 Newly born piglets must be protected from cold drafts 5 The livestock must be provided in clean wholesome drinking water 6 To prevent the methane and ammonia accumulation in pig sty provision of proper ventilation is necessary. 7 To prevent water stagnation proper drainage must be provided in livestock shelter. 8 The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age). 9 Add 5% shell grit in laying hens for optimum egg production. Agricultural advisory: 1. In the planting field to apply Beautachlor for weed control 2.5 litre +25 kg / sand per hectare on the third day. 2. Present weather condition is favorable for maruca (Spotted pod Borer). Early instars of this pod borer will eat the flower buds. To control this spraying of chlorophyriphos @ 2.5 ml / litre. 3. Treat the seeds with Trichoderma Viride @ 4 gram / kg seeds can be done just before sowing. 4. After the transplanting irrigate the field based on soil moisture. 5. Collect fallen infested fruits and dispose them by dumping in a pit. Monitor the activity of flies with methyl eugenol sex lure traps. To control Fruit sucking moth in sweet orange, Spray quinalphos @ 2ml / litre of water. 6. To control Rugose Spiraling Whitefly in coconut, spray neem oil@10ml or azadiractin 1% @5ml/litre or Installation of yellow sticky traps (5ft. X 1.5 ft.) smeared with castor oil @ 5ml ac. 7. To control rhinoceros beetle in coconut, apply neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown. 8. To control mealy bug in mango spray, imidachloprid @ 0.5 ml/litre of water. 9. To control stem borer in mango, grow tolerant mango varieties viz., Neelam, Humayudin. 10. Apply carbofuran 3G 5 g per hole and plug with mud.

Tiruvallur

From extended range forecast below normal rainfall and normal maximum temperature and minimum temperature expected for the period of 30.01.2022 to 05.02.2022 over Tamil Nadu. Farmers are advised to irrigate the crop based on the soil moisture.

Crop(Varieties)	Crop Specific Advisory
RICE	RICE-Nursery stage- 1.Green plant hopper- Broadcast carbofuran 3% CG 3.5 kg in 20 cents and Maintain 2.5 cm of water in the nursery; 2.Thrips- Spray Thiamethoxam 25% WG 4g/ 40Lit /20 cent; 3.whorlaggot- Spray fipronil 5% SC 400g - 600g per acre in 200 litre of water.
RICE	Transplanting stage- 1. Stem bore(Dead heart)- Spray Azadirachtin 0.03% 400 ml 200 litres of water (Or) Flubendiamide 20% WG 50g/Acre.or Chlorantraniliprole 18.5 SC 60 ml per acre in 200 litres of water.;2.Green leaf hopper (GLH) - spray Imidacloprid 17.8% SL 40-50 ml/litre @ acre (OR) Spray Thiamethoxam 25% WG 100g and set up light traps to attract to control green leaf hopper

OKRA/ LADYFINGER	Bhendi- Fruit borer- Spray Azadirachtin 0.03 % 5.0g / l. (or) Buprofezin 70 DF 5.5 ml/10 l; and Set up pheromone trap @ 5 / acre.
GROUNDNUT	Groundnut- Seed Treatment- 1. I).Treat the seeds with talc formulation of Trichoderma viride @ 4 g/kg seed (or) Pseudomonas fluorescens @ 10 g/kg seed; II). Treat one hectare of seeds with 125 ml of Rhizobium (TNAU 14) and 125 ml of Phospho bacteria, shade dry it for 30 minutes before sowing; Fungicides and biocontrol agents are incompatible; 2.Leaf Miner- Spray Methyl demeton 25 EC 400 ml per acre in 200 litres of water; Set up light trap between 8 and 11 pm at ground level.
Horticulture(Varieties)	Horticulture Specific Advisory
CHILLI	Chilli- 1. Thrips- Spray imidacloprid 17.8% SL 3 ml/ 10 litre of water (OR) Spray fipronil 5% SC 1.5 ml/ 1liter of water; 2. Die-back and fruit rot- Spray copper oxychloride @ 2.5 g/l thrice at 15 days interval starting from noticing the die-back symptoms.
BRINJAL	Brinjal- 1.Whitefly- Spray Neem oil 3% (or) Spray Thiamethoxam 25 % WG 4.0 g/10 l and Monitor the whitefly with yellow sticky trap @ 5-6 / acre; 2.Fruit borer- Spray Neem Seed Kernel Extract 5 % (or) Spray Dimethoate 30 % EC 7.0 ml/10 l. and Encourage the activity of larval parasitoids: Pristomerus testaceus, Cremastus flavoorbitalis.
MANGO	Mango tree- During February 0.5% Urea (5 g / lit.) may be sprayed to induce flowering, if trees do not flower by that time.

Vellore

As per the IMD extended range forecast (ERF), Tamil Nadu and Puducherry may receive below normal rainfall and normal temperature for the period of 30.01.2022 to 05.02.2022. Prevailing weather condition is favorable for sucking pest incidence for all crops. Farmers are advised to monitor their field and take necessary plant protection measures based on symptoms of damage. Dry weather may be expected on next five days. So farmers are requested to irrigate the field based on soil moisture.

Crop(Varieties)	Crop Specific Advisory
RICE	In the planting field to apply Beautachlor for weed control 2.5 litre +25 kg / sand per hectare on the third day.
PIGEON PEAS (RED GRAM/ARHAR)	Present weather condition is favorable for maruca (Spotted pod Borer). Early instars of this pod borer will eat the flower buds. To control this, spray chlorophyrifos @ 2.5 ml / litre.
GROUNDNUT	Treat the seeds with Trichoderma Viride @ 4 gram / kg seeds can be done just before sowing.
TOMATO	After the transplanting irrigate the field based on soil moisture.
CHILLI	Prevailing weather condition is favorable for thrips incidence in chilli. The symptom of damage is infected leaves develop crinckles and curl upwards. Hence farmers are requested to monitor the field and spray fipronil 1.5ml/litre.
COCONUT	To control Rugose Spiraling Whitefly in coconut, spray neem oil@10ml or azadiractin 1%@5ml/litre or Installation of yellow sticky traps (5ft. X 1.5 ft.) smeared with castor oil @ 5ml ac. To control rhinoceros beetle in coconut, apply neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3

	inner most leaves in the crown.
MANGO	To control mealy bug in mango spray, imidachloprid @ 0.5 ml/litre of water. To control stem borer in mango, grow tolerant mango varieties viz., Neelam, Humayudin. Apply carbofuran 3G 5 g per hole and plug with mud.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Arrange to vaccinate the cattle with foot and mouth disease Vaccine. Follow herbal preparation fed to cattle to cure FMD lesions. Give bolus melonexplus 2 nos where more fever.
GOAT	Vaccinate goat with PPR Vaccine After two weeks vaccinate with ET vaccine for sheep. Give blue tongue vaccine for sheep.
Poultry(Varieties)	Poultry Specific Advisory
CHICK	To avoid cold wave give heat to chicks and young birds with electronic bulb. Vaccinate chicks with Lasota eye drops.

Cuddalore

From extended range forecast below normal rainfall, normal maximum temperature and minimum temperature expected for the period of 26.01.2022 to 01.02.2022 over Tamil Nadu. Light rainfall expecting forthcoming days, so farmers advised to harvest the matured crop and store harvest crop in godowns or cover with tarpolin.

Crop(Varieties)	Crop Specific Advisory
RICE	Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray chlorantraniliprole 18.5% 150 ml/ha or flubendiamide 39.35 SC 50 g/ha during morning or evening hours.
SUGARCANE	Due to prevailing weather condition changes of sugarcane Top shoot borer infection. To control apply carbofuran 3% CG @ 66 kg/ha or chlorantraniliprole 0.4% G @ 18.75 kg/ha or chlorantraniliprole 18.5% SC 375 ml/ha.
BLACK GRAM	Due to prevailing weather condition there are chances of groundnut tobacco caterpillar infestation. To control spray methomyl 40 SP 750ml / ha to control the early instar (1st to 3rd instar) larvae.
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.
Horticulture(Varieties)	Horticulture Specific Advisory
BRINJAL	Prevailing weather is favorable for shoot and fruit borer incidence in brinjal. To control remove the affected terminal shoot showing boreholes. Install pheromone trap@ 5 nos./ac or spray azadirachtin 1.0% EC 3.0 ml/lit or emamectin benzoate 5 % SG 4.0g/10 liter.
	1. Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. 2. Encouragebuildup of parasitoids (Encarsia sp.) and reintroduce parasitized

COCONUT	pupae of emerging zones of whitefly outbreak. 3. In sever case, spray neem oil 10 ml/lit of water or spray Azadirachtin 2ml/lit of water with 1ml of sticking agent.
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Coimbatore

Agro Advisory

Crop	Stage	Advisory
General		Dry weather is expected in western zone districts for the next five days, irrigation may be given to all crops based on soil moisture. After the harvest of dry land 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 during will facilitate faster decomposition of residues.
Rice		By utilizing the dry weather, rice at maturity stage may be harvested, thrashed, dried and stored at optimum grain moisture (<12%). Prevailing weather condition is favorable for the ear head bug incidence in paddy crop hence farmers are requested to monitor the crop carefully if required spray Quinalphos 1.5 dust or Neem seed kernel extract 5% .
Chickpea		Prevailing weather is favorable for pod borer incidence in Bengal gram hence farmers are requested to monitor the incidence of above pest and spray Phaslon 35EC 1.25lit/he or Neem seed kernel extract 5% .
Sugarcane	Land preparation	Under prevailing weather conditions, planting of early season sugarcane may be done at the earliest possible in order to harvest higher productivity. Present weather leads to more evaporation therefore irrigation may be given to early planted sugarcane. Further mulching may be done to avoid more evaporation. In ratoon crop shredder can be used to spread the sugarcane trash uniform the thereby evaporation prevented.
Cucurbits	Flowering	To encourage more female flower in cucurbits, spray Ethrel 100 ppm (1 ml in 10 lit of water) four times from 10 to 15 days after sowing at weekly intervals when sufficient moisture is available.
Banana		Prevailing weather conditions especially where frequent irrigation and high soil moisture is favorable for sigatoka leaf spot in banana .Therefore, dry the field and remove the affected leaves & burn Spray 3 times with Carbendazim @1g per cent or Propiconazole, 1g or Mancozeb @2.5g per lit of water with and teepol (sticking agent) at 10-15 days interval, as the disease starting from initial appearance of leaf specks
Turmeric	Rhizome development and harvest	Turmeric crop is at rhizome development stage therefore maintain optimum soil moisture through irrigation to facilitate rhizome development.

		Early planted turmeric rhizome may be harvested since, dry spell is anticipated.
Tapioca		Considering the prevailing minimum temperature, Tapioca may be irrigated, in order to enhance the tuber development. White fly incidence is seen in tapioca hence farmers are requested to monitor the crop carefully and place yellow sticky trap in 5 or 6 places and if required spray Triazophos @ 2ml per liter of water
Mango		Prevailing weather condition is favorable for hopper incidence in mango hence farmers are request to monitor the crop if required spraying of 5% Neem seed kernel extract is advised.
Animal		Due to low temperature, animal resist to intake water. Keep watching and provide adequate amount of good drinking water. 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. Since night temperature is below 21°C, protect poultry and animals from chilling by hanging Jute bags in the side walls shed.

SMS advisory

Prevailing weather is favorable for ear head bug in paddy, hence monitor and if required spray Quinalphos 1.5 dust or Neem seed kernel extract 5%.

Erode

Agro Advisory

Crop	Stage	Advisory
General		Dry weather is expected in western zone districts for the next five days, irrigation may be given to all crops based on soil moisture. After the harvest of dry land 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 during will facilitate faster decomposition of residues.
Rice		By utilizing the dry weather, rice at maturity stage may be harvested, thrashed, dried and stored at optimum grain moisture (<12%). Prevailing weather condition is favorable for the ear head bug incidence in paddy crop hence farmers are requested to monitor the crop carefully if required spray Quinalphos 1.5 dust or Neem seed kernel extract 5% .
Sugarcane	Land preparation	Under prevailing weather conditions, planting of early season sugarcane may be done at the earliest possible in order to harvest higher productivity. Present weather leads to more evaporation therefore irrigation may be given to early planted sugarcane. Further mulching may be done to avoid more evaporation. In ratoon crop shredder can be used to spread the sugarcane trash uniform the thereby evaporation

		prevented.
Cucurbits	Flowering	To encourage more female flower in cucurbits, spray Ethrel 100 ppm (1 ml in 10 lit of water) four times from 10 to 15 days after sowing at weekly intervals when sufficient moisture is available.
Banana		Prevailing weather conditions especially where frequent irrigation and high soil moisture is favorable for sigatoka leaf spot in banana .Therefore, dry the field and remove the affected leaves & burn Spray 3 times with Carbendazim @1g per cent or Propiconazole, 1g or Mancozeb @2.5g per lit of water with and teepol (sticking agent) at 10-15 days interval, as the disease starting from initial appearance of leaf specks
Turmeric	Rhizome development and harvest	Turmeric crop is at rhizome development stage therefore maintain optimum soil moisture through irrigation to facilitate rhizome development. Early planted turmeric rhizome may be harvested since, dry spell is anticipated.
Tapioca		Considering the prevailing minimum temperature, Tapioca may be irrigated, in order to enhance the tuber development. White fly incidence is seen in tapioca hence farmers are requested to monitor the crop carefully and place yellow sticky trap in 5 or 6 places and if required spray Triazophos @ 2ml per liter of water
Mango		Prevailing weather condition is favorable for hopper incidence in mango hence farmers are request to monitor the crop if required spraying of 5% Neem seed kernel extract is advised.
Animal		Due to low temperature, animal resist to intake water. Keep watching and provide adequate amount of good drinking water. 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. Since night temperature is below 21°C, protect poultry and animals from chilling by hanging Jute bags in the side walls shed.

SMS advisory

Prevailing weather is favorable for ear head bug in paddy, hence monitor and if required spray Quinalphos 1.5 dust or Neem seed kernel extract 5%.

Tiruppur

Agro advisory

Crop	Stage	Advisory
General		Dry weather is expected in western zone districts for the next five days, irrigation may be given to all crops based on soil moisture. After the harvest of dry land 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 during will facilitate faster decomposition of

		residues.
Rice		By utilizing the dry weather, rice at maturity stage may be harvested, thrashed, dried and stored at optimum grain moisture (<12%). Prevailing weather condition is favorable for the ear head bug incidence in paddy crop hence farmers are requested to monitor the crop carefully if required spray Quinalphos 1.5 dust or Neem seed kernel extract 5% .
Chickpea		Prevailing weather is favorable for pod borer incidence in Bengal gram hence farmers are requested to monitor the incidence of above pest and spray Phaslon 35EC 1.25lit/he or Neem seed kernel extract 5% .
Sugarcane	Land preparation	Under prevailing weather conditions, planting of early season sugarcane may be done at the earliest possible in order to harvest higher productivity. Present weather leads to more evaporation therefore irrigation may be given to early planted sugarcane. Further mulching may be done to avoid more evaporation. In ratoon crop shredder can be used to spread the sugarcane trash uniform the thereby evaporation prevented.
Banana		Prevailing weather conditions especially where frequent irrigation and high soil moisture is favorable for sigatoka leaf spot in banana .Therefore, dry the field and remove the affected leaves & burn Spray 3 times with Carbendazim @1g per cent or Propiconazole, 1g or Mancozeb @2.5g per lit of water with and teepol (sticking agent) at 10-15 days interval, as the disease starting from initial appearance of leaf specks
Tapioca		Considering the prevailing minimum temperature, Tapioca may be irrigated, in order to enhance the tuber development. White fly incidence is seen in tapioca hence farmers are requested to monitor the crop carefully and place yellow sticky trap in 5 or 6 places and if required spray Triazophos @ 2ml per liter of water
Mango		Prevailing weather condition is favorable for hopper incidence in mango hence farmers are request to monitor the crop if required spraying of 5% Neem seed kernel extract is advised.
Animal		Due to low temperature, animal resist to intake water. Keep watching and provide adequate amount of good drinking water. 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. Since night temperature is below 21°C, protect poultry and animals from chilling by hanging Jute bags in the side walls shed.

SMS advisory

Prevailing weather is favorable for ear head bug in paddy, hence monitor and if required spray Quinalphos 1.5 dust or Neem seed kernel extract 5%.

Nilgiris

Agro Advisory

Crop	Stage	Advisory
General		Due to prevailing low temperature, necessary measures like mulching in the aerial portion of the plants may be adopted to prevent frost damage in crops.
Vegetable crops		In hill horticultural crops, installation of drip irrigation could save up to 50% water requirement of crop.
Plantation crops		For Well grown mandarin orange trees, apply agricultural lime or Dolomite at 4 kg / tree during January once in 2 – 3 years. This should not be combined with other chemical fertilizers.
		To control scale insects and mealy bug in coffee plantation, spray neem oil or Quinosphos 25% EC @ 2.5ml per litre of water.
Livestock		Sheep and goats should be dewormed by consulting with local veterinary doctor. To prevent the endoparasitic infestation animals should be allowed for graze in the morning after the dew dried off.

SMS advisory

Due to prevailing low temperature, necessary measures like mulching in the aerial portion of the plants may be adopted to prevent frost damage in crops.

Ariyalur, Karur, Nagapattinam, Perambalur, Thanjavur and Tiruvarur

Agro Advisory

Crop	Stage	Advisory
Rice		In samba paddy field, it is right time to sow the rice fallow pulses under waxy condition. ADT 3 and ADT 6 blackgram greengram ADT 3 varieties are suitable under rice fallow condition.
Rice		Harvested paddy seeds may be dried to 13% moisture content to prevent pest damage in storage.
		Farmers are requested to download and utilize the agricultural based mobile apps suggested by TNAU (TNAU AAS, Meghdoot and DAMINI).
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

Harvested paddy seeds may be dried to 13% moisture content to prevent pest damage in storage.

Virudhunagar

Agro Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Block level forecast.		Wind speed of 5-22 kmph is predicted for next five days. Very light to light rainfall is predicted for next five days.

Irrigated crops	Water management	Based on the crop stage and local weather, Irrigation may be given.
Rainfed and Irrigated crops	All the stage	Farmers are advised to go for crop specific Plant protection and nutrient spray
Dry land cultivation	Crop residue recycling	In order to improve the soil quality recycles the residues of harvested crops of maize, sorghum and pulses. Use rotovator or rotoslasher for cutting the residues into small pieces and incorporate them into the soil.
Chilli	Flowering and fruiting stage	Increasing day temperature favours thrips. Spray Imidacloprid 17.8 % SL @3.0 ml/10 lit. Prevailing weather is conducive for Gram caterpillar @ Emamectin benzoate 5 % SG @ 4 g/10 lit.
Livestock	Chick	Summer Management in Poultry: Heat stress in poultry especially broilers lead to huge economic loss. Signs of Heat stress: 1. Less feed intake 2. Poor growth rate 3. High mortality. Management: 1. Long axis of the poultry house should be in east-west direction. 2. Poultry house should have a width not more than 22-25 ft-to allow ample ventilation. 3. Wet gunny bags should be arranged on the sides of the poultry house to prevent the entry of direct sun-rays into the shed. 4. Feeding should be done in cool hours of the day. 5. Vitamin "C" supplementation should be done. 6. Cool drinking water should be provided. 7. Addition of B-complex vitamins and electrolytes in the water will help to overcome the Heat Stress. 9. Space allowance to the birds may be increased to 20% to reduce stocking density.
	Dairy animals	Farmers may provide 30-50 gram of mineral mixture per animal to improve the production and health status. To avoid parasitic infestation in diary animals farmers are advised to deworm and detick the animals in nearby veterinary dispensary.
	January month forecast	Sheep and Goat pox-High Risk-Vaccination of susceptible animals of above 3 months old age. Symptomatic treatment of affected animals. Restriction on animal movement, strict biosecurity measures and proper disposal of carcass.
Jasmine	Flowering stage	Prevailing weather is conducive for Blossom midge. Spray Thiamethoxam 2.5% WG @ 0.75 g/litre (or) Novaluron 3ml/lit. of water.
Guava	Fruiting stage	Prevailed weather condition is conducive for Fruit fly, to control spray malathion 50 EC @2ml/litre or Dimethoate 30 EC @ 1ml/litre.
Coconut	All stages	Rugose Spiralling whitefly is noticed in the prevailed weather condition. Application of water, maida solution as spray in order to increase the population of Encarsia parasitic. Also keep yellow stick trap.
Citrus	Citrus Canker	The prevailing weather condition is conducive for incidence of citrus canker disease, spray of Copper oxychloride (COC) @ 0.3% followed by 4 sprayings with Streptocyclin 100 ppm + COC @ 0.3 % at monthly intervals after pruning.
Brinjal & bhendi	Fruiting stage	Under prevailed weather mealy bug was noticed. Profenofos 50% EC @ 2ml/l (or) neem oil at the initial stage.
General	Field preparation	Summer Cotton season (irrigated) in about to start. So farmers are request to prepare land. Suitable cotton variety SVPR6 in available at Cotton Research Station, Srivilliputtur.

SMS: Rain: 26,27&30.01-3,1&4 mm. Citrus canker disease- spray of Copper oxychloride (COC) @ 0.3% followed by 4 sprayings Streptocyclin 100 ppm + COC @ 0.3 % at monthly intervals after pruning.

Tirunelveli

Agro Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Block level forecast.		Wind speed of 5-27 kmph is predicted for next five days. Very light to Light rainfall is predicted for next five days.
Irrigated crops	Water management	Based on the crop stage and local weather, Irrigation may be given.
Rainfed and Irrigated crops	All the stage	Farmers are advised to go for crop specific Plant protection and nutrient spray
Dry land cultivation	Crop residue recycling	In order to improve the soil quality recycles the residues of harvested crops of maize, sorghum and pulses. Use rotovator or rotoslasher for cutting the residues into small pieces and incorporate them into the soil.
Rice	Tillering and panicle initiation stage	Prevailed weather is conducive for Leaf folder and Stem borer. So farmers are advised to spray Azadirachtin 0.03% 1000ml/ha. (or) Chlorontrinirole 18.5%SC @ 150g/ha. (or) Thiamethoxam 25% WG @ 100g/ha.
Cotton	Boll development to harvest stage	Prevail weather favours Aphid infestation. Spray Thiamethoxam 25% WG 100 g/ha (or) Imidacloprid 17.8% SL 100 -125 ml/ha. Prevail weather favours Whitefly incidence. Spray Acetamiprid 20% SP 100 g/ha (or) Chlorpyriphos 20% EC 1250 ml/ha Prevail weather favours Pink bollworm incidence. Spray Spraying any one of the following insecticides: Phosalone 35% EC 2000 ml/ha (or) Triazophos 40 EC 2.5l/ha
Chilli	Flowering and Fruiting stage	Increasing day temperature favours thrips. Spray Imidacloprid 17.8 % SL @3.0 ml/10 lit. To increase the yield Spray NAA (Growth regulators) 10 ppm (10 mg/l of water) on 60 and 90 days after planting to increase fruit set. (Or) Foliar spray of Micro nutrient such as Zn SO ₄ @ 0.5 per cent thrice at 10 days interval from 40 days after planting. (or) Spray 19:19:19 + Mn @ 1 % at 60 days after planting.
Coconut	All stages	Rhinoceros beetle is noticed in the prevailed weather condition. To control application of Mixture of neem seed kernal powder and sand (1:2) @ 150 gm per tree, spray 250ml Metarrizhium culture + 750ml water in manure pits to check the perpetuation of the pest. For seedlings, apply Naphthalene balls 10.5 g (approx. three to four balls) covered with fine sand, once in 45 days. Rugose Spiralling whitefly is noticed in the prevailed weather condition. Application of water, maida solution as spray in order to increase the population of Encarsia parasitic. Also keep yellow stick trap.
Citrus	Citrus Canker	The prevailing weather condition is conducive for incidence of citrus canker disease, spray of Copper oxychloride (COC) @ 0.3% followed by 4 sprayings with Streptocyclin 100 ppm + COC @ 0.3 % at monthly intervals after pruning.
Livestock	Chick	Summer Management in Poultry: Heat stress in poultry especially broilers lead to huge economic loss. Signs of Heat stress: 1. Less feed intake 2. Poor growth rate 3. High mortality. Management: 1. Long axis of the poultry house should be in east-west direction. 2. Poultry house should have a width not

		more than 22-25 ft-to allow ample ventilation. 3. Wet gunny bags should be arranged on the sides of the poultry house to prevent the entry of direct sun-rays into the shed. 4. Feeding should be done in cool hours of the day. 5. Vitamin “C” supplementation should be done. 6. Cool drinking water should be provided. 7. Addition of B-complex vitamins and electrolytes in the water will help to overcome the Heat Stress. 9. Space allowance to the birds may be increased to 20% to reduce stocking density.
	Dairy animals	Farmers may provide 30-50 gram of mineral mixture per animal to improve the production and health status. To avoid parasitic infestation in diary animals farmers are advised to deworm and detick the animals in nearby veterinary dispensary.

SMS: Rain: 26&30.01-3&3mm. Irrigate the crop. Rice- leaf folder and stem borere- spray Azadirachtin 0.03% 1000 ml. Citrus canker disease- spray of Copper oxychloride (COC) @ 0.3% .

Thoothukudi

Agromet Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Block level forecast.		Wind speed of 8-31 kmph is predicted for next five days Very light rainfall is predicted for next five days.
Irrigated crops	Water management	Based on the crop stage and local weather, Irrigation may be given.
Rainfed and Irrigated crops	All the stage	Farmers are advised to go for crop specific Plant protection and nutrient spray
Cotton	Boll development to harvest stage	Prevail weather favours Aphid infestation. Spray Thiamethoxam 25% WG 100 g/ha (or) Imidacloprid 17.8% SL 100 -125 ml/ha. Prevail weather favours Whitefly incidence. Spray Acetamiprid 20% SP 100 g/ha (or) Chlorpyrifos 20% EC 1250 ml/ha Prevail weather favours Pink bollworm incidence. Spray Spraying any one of the following insecticides: Phosalone 35% EC 2000 ml/ha (or) Triazophos 40 EC 2.5l/ha
Paddy	Tillering and panicle initiation stage	Prevailed weather is conducive for Leaf folder and Stem borer. So farmers are advised to spray Azadirachtin 0.03% 1000ml/ha. (or) Chlorontrinirole 18.5%SC @ 150g/ha. (or) Thiamethoxam 25% WG @ 100g/ha.
Chilli	Flowering and fruiting stage	Increasing day temperature favours thrips. Spray Imidacloprid 17.8 % SL @3.0 ml/10 lit. Prevailing weather is conducive for Gram caterpillar @ Emamectin benzoate 5 % SG @ 4 g/10 lit.
Coconut	All stages	Rugose Spiralling whitefly is noticed in the prevailed weather condition. Application of water, maida solution as spray in order to increase the population of Encarsia parasitic. Also keep yellow stick trap.
Jasmine	Flowering stage	Prevailing weather is conducive for Blossom midge. Spray Thiamethoxam 2.5% WG @ 0.75 g/litre (or) Novaluron 3ml/lit. of water.

Citrus	Citrus Canker	The prevailing weather condition is conducive for incidence of citrus canker disease, spray of Copper oxychloride (COC) @ 0.3% followed by 4 sprayings with Streptocyclin 100 ppm + COC @ 0.3 % at monthly intervals after pruning.
Livestock	Chick	Summer Management in Poultry: Heat stress in poultry especially broilers lead to huge economic loss. Signs of Heat stress: 1. Less feed intake 2. Poor growth rate 3. High mortality. Management: 1. Long axis of the poultry house should be in east-west direction. 2. Poultry house should have a width not more than 22-25 ft-to allow ample ventilation. 3. Wet gunny bags should be arranged on the sides of the poultry house to prevent the entry of direct sun-rays into the shed. 4. Feeding should be done in cool hours of the day. 5. Vitamin "C" supplementation should be done. 6. Cool drinking water should be provided. 7. Addition of B-complex vitamins and electrolytes in the water will help to overcome the Heat Stress. 9. Space allowance to the birds may be increased to 20% to reduce stocking density.
	Dairy animals	Farmers may provide 30-50 gram of mineral mixture per animal to improve the production and health status. To avoid parasitic infestation in dairy animals farmers are advised to deworm and detick the animals in nearby veterinary dispensary.
	Common Fish	Farmers are advised to measure the pond water pH daily and apply dolomite lime at 150 kg/ ha may be applied at a weekly interval. Farmers are advised to add 1-3% of fish oil in daily fish feed to enhance the feed intake and fat content supplements.
Banana	All stages	High wind speed. Farmers are advised for Propping .

SMS: Rain: 30.01-2mm. Irrigate the crop. Cotton- **stem weevil-drenching collar region with chloropyriphos 50EC @1200ml/ha.** Chilli- Gram caterpillar @ Emamectin benzoate 5 % SG @ 4 g/10 lit.

Tamil Nadu		
Next five days	Weather warning	Light to moderate rain is likely to occur at isolated places over South Tamil Nadu, North Coastal Tamilnadu and adjoining districts, Puducherry & Karaikal area on Day 1 (26.01.22) and Day 2 (27.01.22). Light to moderate rain is likely to occur at isolated places over South Tamil Nadu, Delta districts, Pudukottai and Karaikal Day 3 (28.01.22). Light to moderate rain is likely to occur at isolated places over South Tamil Nadu on Day 4 (29.01.2022) and Day 5 (30.01.22).
Extended range of weather forecast		Week 2022-01-30 to 2022-02-05 is predicted with below normal rainfall. 11.02.2022 to 17.02.2022 – chance for rainfall over coastal Tamil Nadu and south Tamil Nadu.

Kanyakumari

AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
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	There are possibilities of light rainfall on 30.01.22. Maximum temperature will range from 30 - 32°C and minimum temperature will range from 23 - 24°C. Cloudy condition may prevail. The relative humidity will be 70 to 85%. Wind speed may be 6 – 10 km / hr in East direction.		
1.	Horticultural crops	All stages	Irrigation should be given to all horticultural crops due to higher temperature coupled with low relative humidity.
2.	Coconut	Grown up tree	Pencil point disease: Because of micronutrient deficiency, the stem will taper towards tip with lesser number of leaves. The leaf size will be greatly reduced and the leaves will be pale and yellow in colour. Along with the recommended fertilizer dose, 225 g each of Borax, Zinc sulphate, Manganese sulphate, Ferrous sulphate, Copper sulphate and 10 g of Ammonium molybdate may be dissolved in 10 litre of water and poured in the basin of 1.5 m radius.
3.	Banana	All Stages	As the temperature will shoot high and wind speed (6 to 10 km/hr) is also high evapotranspiration will be more. So, irrigation and mulching can be taken up to conserve moisture. Staking should be given to bananas of more than 7 months to prevent from wind damage.
4.	Rose , Jasmine and Tuberose	All stages	Due to hot and dry weather, sucking pest infestation will be high. To control sucking pest spraying of Prophenophos @ 2 ml per litre of water is recommended.
5.	Pepper	All stages	Irrigating the plants by hose irrigation or daily by drip irrigation.

SMS Advisory

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

Salem

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Salem:		
Crops	Harvest	Current Weather Farmers can now harvest crops that are in the harvesting stage in their garden.
Turmeric	Vegetative	In turmeric for the management of leaf spot/leaf blotch spray carbendazim @ 500 g/ha or mancozeb @ 1 kg/ha or copper oxychloride @ 1.25 kg/ha or propiconazole @ 500 ml/ha.
Coconut	Vegetative	The coconut rugosespining whitefly Can be managed by Release of Encarsiaparasitoids @ 100 parasitoids /ac (10 leafbits/ac) Installation of yellow sticky traps (5 ft. x 1.5 ft.) smeared with castor oil @ 5/ ac Release of predator, Chrysoperla eggs @ 500/ac in young

		palms Pesticide holiday' must be declared to conserve the natural enemies fauna.
Chilli	Vegetative	In chilli for the management of thrips Treat seeds with imidacloprid 70 WS @ 12g /kg of seed or Thiamethaxm 30FS Spray any one of the following insecticides. Spinetoram 11.7 SC @1.0 ml /lt Acetamiprid 20 SP@ 1.0 gm /10 lts. Emamectin benzoate 5 % SG@ 4.0 gm/10 lts
Paddy	Vegetative	In rice for the management of false smut, Two sprays with propiconazole 25 EC @ 500 ml/ha or copper hydroxide 77 WP @ 1.25 kg/ha at boot leaf and 50% flowering stages.
Jasmine	Vegetative	Due to prevailing weather alternaria leaf spot incidence may occur in jasmine. To control, spray foliar application of mancozeb @ 2.5 g/l at monthly interval.
Maize	Vegetative	Due to prevailing weather the downy mildew incidence may occur in maize. To control downy mildew, Spray mancozeb 1 kg/ha at 20 days after sowing.
Onion	Vegetative	Due to prevailing weather Pythium Root Rot incidence may occur in onion, To control this disease, if after sprouting, apply trichodermaviride @ 2.5 kg/ha with FYM by soil application. if not yet started sowing treat the bulbs with thiram or captan @ 4 g/kg.
Livestock	Sheep	Sheep should be vaccinated against sheep pox in the month of January to prevent occurrence of the disease. In the months forth coming.
Poultry	Desi birds	Feeding of azolla in desi chicken nill improves the body weight and also the hatchability.

Namakkal

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock and Poultry	General	During the last week of January, usually the night temperature is low and day temperatures are slightly higher indicating late winter. All these days will witness wide variation in the temperatures. Above weather conditions may cause some stress to livestock and poultry. This will largely influence the bird's ability to consume more feed, reduced egg production in birds and decreased milk yield with low fat in dairy animals. It can be prevented by addition of vegetable oil @ 5 kg / tonne in the feed for birds. Animals shed should be protected from cold by covering the side and top walls of the shed.

Livestock	Sheep and Goat	<p>Awareness on Peste Des Petitis Ruminants (PPR) in goat & sheep PPR viral disease is an acute contagious disease affects small ruminants (goat & sheep) with high rate of morbidity and mortality. It is prevalent throughout Tamil Nadu and reported all round the year. The virus is shed in tears, nasal discharge secretion from coughing and in the faeces of the infected goats and sheep. Close contact between healthy and infective animals in confinements during religion festivals / shandies results in out breaks. New stocks of animals introduced into the farm without quarantine also results in outbreaks.</p> <p>Symptoms Sudden onset of fever, severe depression and loss of appetite. Clear nasal discharge at first, then thick mucopurulent followed by blocking breathing gives a purid odour to the breath. Cough occurs in later stages due to bronchopneumonia mostly after 5 – 10 days. In early stage, mouth lesions show areas of dead cells on the lower gums, dental pad, hard palate, cheeks and tongue. Foul smelling diarrhoea and young animals are mostly severely affected. Goats are affected more than sheep.</p> <p>Vaccination Vaccination to be given before monsoon. First vaccination to all the goats / sheep in the age of 4 months and above. Revaccination to be done annually. Avoid the vaccinating the animals in advanced stages of pregnancy and lactating animals.</p>
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Sesame	Vegetative stage	Leaf folder incidence was occurred in sesame field who were cultivated in Rabi season. Hence, farmers are advised to spray Imidacloprid @ 0.6 ml / liter of water to control it.
Sugarcane	Harvesting stage	Farmers are requested to shred the sugarcane trash by sugarcane trash shredder instead of burning and allow them for in situ composting in ratoon sugarcane.

Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Dharmapuri :		
Livestock	General	Sub acutemastoiditis can be controlled by regular application of TANUVAS mastiguard twice a day before and after milking on the udder and teat.
Crops	General	Prevailing weather conditions is suitable for hand hoe weeding.
Sugarcane	Planting	This is right time to plant early session sugarcane.

		<p>Sustainable Sugarcane Initiative (SSI) is help full for efficient use of water.</p> <p>Sett Treatment</p> <p>Select healthy setts for planting.</p> <p>The setts should be soaked in 100 litres of water dissolved with 50g Carbendazim, for 15 minutes.</p>
Livestock	General	<p>Daily fogging or aerosoling for adult mosquitoes may provide relief (over fogging causes breathing problem in livestock) for effective control of mosquito breeding sites.</p>

Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock and Poultry	General	<p>During the last week of January, usually the night temperature is low and day temperatures are slightly higher indicating late winter. All these days will witness wide variation in the temperatures. Above weather conditions may cause some stress to livestock and poultry. This will largely influence the bird's ability to consume more feed, reduced egg production in birds and decreased milk yield with low fat in dairy animals. It can be prevented by addition of vegetable oil @ 5 kg / tonne in the feed for birds. Animals shed should be protected from cold by covering the side and top walls of the shed.</p>
Livestock	Sheep and Goat	<p>Awareness on Peste Des Petitis Ruminants (PPR) in goat & sheep</p> <p>PPR viral disease is an acute contagious disease affects small ruminants (goat & sheep) with high rate of morbidity and mortality.</p> <p>It is prevalent throughout Tamil Nadu and reported all round the year.</p> <p>The virus is shed in tears, nasal discharge secretion from coughing and in the faeces of the infected goats and sheep.</p> <p>Close contact between healthy and infective animals in confinements during religion festivals / shandies results in out breaks.</p> <p>New stocks of animals introduced into the farm without quarantine also results in outbreaks.</p> <p>Symptoms</p> <p>Sudden onset of fever, severe depression and loss of appetite.</p> <p>Clear nasal discharge at first, then thick mucopurulent followed by blocking breathing gives a purid odour to the breath.</p> <p>Cough occurs in later stages due to bronchopneumonia mostly after 5 – 10 days.</p> <p>In early stage, mouth lesions show areas of dead cells on the lower gums, dental pad, hard palate, cheeks and tongue.</p> <p>Foul smelling diarrhoea and young animals are mostly severely affected.</p> <p>Goats are affected more than sheep.</p> <p>Vaccination</p> <p>Vaccination to be given before monsoon.</p>

		First vaccination to all the goats / sheep in the age of 4 months and above. Revaccination to be done annually. Avoid the vaccinating the animals in advanced stages of pregnancy and lactating animals.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Sesame	Vegetative stage	Leaf folder incidence was occurred in sesame field who were cultivated in Rabi season. Hence, farmers are advised to spray Imidacloprid @ 0.6 ml / liter of water to control it.
Sugarcane	Harvesting stage	Farmers are requested to shred the sugarcane trash by sugarcane trash shredder instead of burning and allow them for in situ composting in ratoon sugarcane.

Karaikal


Weather based Agro-Advisories.





Crop/livestock	Stage/Particulars	Agro Advisory
Black gram	Sowing	For rice fallow pulses, black gram variety ADT 3 @ 25 kg/ha may be used for sowing till 31st January. Broadcast the seeds 7days prior to harvest of paddy crop.
Rice	Reproductive stage	To manage rice brown plant hopper spray azadirachtin 0.03 % (300 ppm) @ 4 ml/l or thiamethoxam 25 WG @ 0.2 g/l or pymetrozine 50% WG @ 0.6 g/l.
	Tillering stage	To manage rice stem borer, release parasitoid Trichogramma japonicum @1,00,000/ha at active tillering stage (37, 44 and 51 DAP) or Azadirachtin 0.03% @ 4 ml/l or cartaphydrochloride 50% SP @ 2g/l or flubendiamide 20 WG @ 0.25 g/l or thiamethoxam 25 WG @ 0.2 g/l.

SMS: Light to moderate rain is expected for next few days. Hence, farmers may postpone irrigation.

Puducherry

Weather based Agro-Advisories.

Crop/livestock	Stage/Particulars	Agro Advisory
Rice	Bacterial leaf blight 	To manage Bacterial leaf blight in paddy, spray fresh cowdung extract 20% twice (starting from initial appearance of the disease and another at fortnightly interval) or spray Copper hydroxide 77 WP @ 2.5 g/l.
	Blast	The weather conditions viz., temperature and humidity prevailed in the last few weeks may be favorable 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)

	 <p>Brown spot</p>  <p>False smut</p>  <p>Grain discoloration</p> 	<p>may be done commencing from 45 DAT with 10 days interval for 3 times.</p> <p>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.</p>
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SMS: Light to moderate rain is expected for next few days. Hence, farmers may postpone irrigation.

BLOCK LEVEL FORECAST

NILGIRIS DISTRICT

Coonoor, Gudalur, Kotagiri and Ooty Blocks

Agro Advisory

Crop	Stage	Advisory
General		Due to prevailing low temperature, necessary measures like mulching in the aerial portion of the plants may be adopted to prevent frost damage in crops.

Vegetable crops		In hill horticultural crops, installation of drip irrigation could save up to 50% water requirement of crop.
Plantation crops		For Well grown mandarin orange trees, apply agricultural lime or Dolomite at 4 kg / tree during January once in 2 – 3 years. This should not be combined with other chemical fertilizers.
		To control scale insects and mealy bug in coffee plantation, spray neem oil or Quinosphos 25% EC @ 2.5ml per litre of water.
Livestock		Sheep and goats should be dewormed by consulting with local veterinary doctor. To prevent the endoparasitic infestation animals should be allowed for graze in the morning after the dew dried off.

SMS advisory

Due to prevailing low temperature, necessary measures like mulching in the aerial portion of the plants may be adopted to prevent frost damage in crops.

