



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

DISTRICT LEVEL

Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 021/2023

For the period 0830 IST, 14th March 2023 to
0830 IST, 19th March 2023

Issued on Tuesday, 14th March 2023

Issued by

DDGM, Regional Meteorological Centre, India Meteorological Department,
Chennai in collaboration with TNAU and nine AMFU's of Agro climatic Zones of
the Tamil Nadu state

Agro climatic zones of the state

Sl. No	Agro climatic zone	Districts	Agro met field Unit (AMFU) location
1	Northeastern zone	Kanchipuram, Tiruvallur, Cuddalore Tiruvannamalai, Chennai, Villupuram , Vellore	Chennai
2	Northwestern zone	Dharmapuri, Krishnagiri, Salem and Namakkal	Namakkal
3	Western Zone	Erode, Tiruppur and Coimbatore,	Coimbatore,
4	Cauvery Delta zone	Thanjavur, Nagapattinam, Tiruvarur, Karur, Perambalur, Ariyalur and Tiruchirapalli.	Adudurai
5	Southern zone	Virudhunagar, Tirunelveli and Thoothugudi	Kovilpatti
6	South Zone	Pudukkottai, Madurai, Dindigul, Theni, Ramanathapuram and Sivagangai	Kannivadi
7	High rainfall zone	Kanyakumari	Pechiparai
8	Hilly zone	Nilgiris	Ooty
9	Coastal Zone	Karaikal and Pondicherry	Karaikal



Past Weather Summary for the period 10.03.23 to 13.03.23 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range **31°C – 36°C** prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range **18°C – 25°C** during the period.

Minimum temperature of range **19°C - 26°C** prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range **06°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)	--	--
Dry	10.03.23, 11.03.23, 12.03.23 & 13.03.23	Tamil Nadu & Puducherry

Chief Amounts of Rainfall (in cms):-

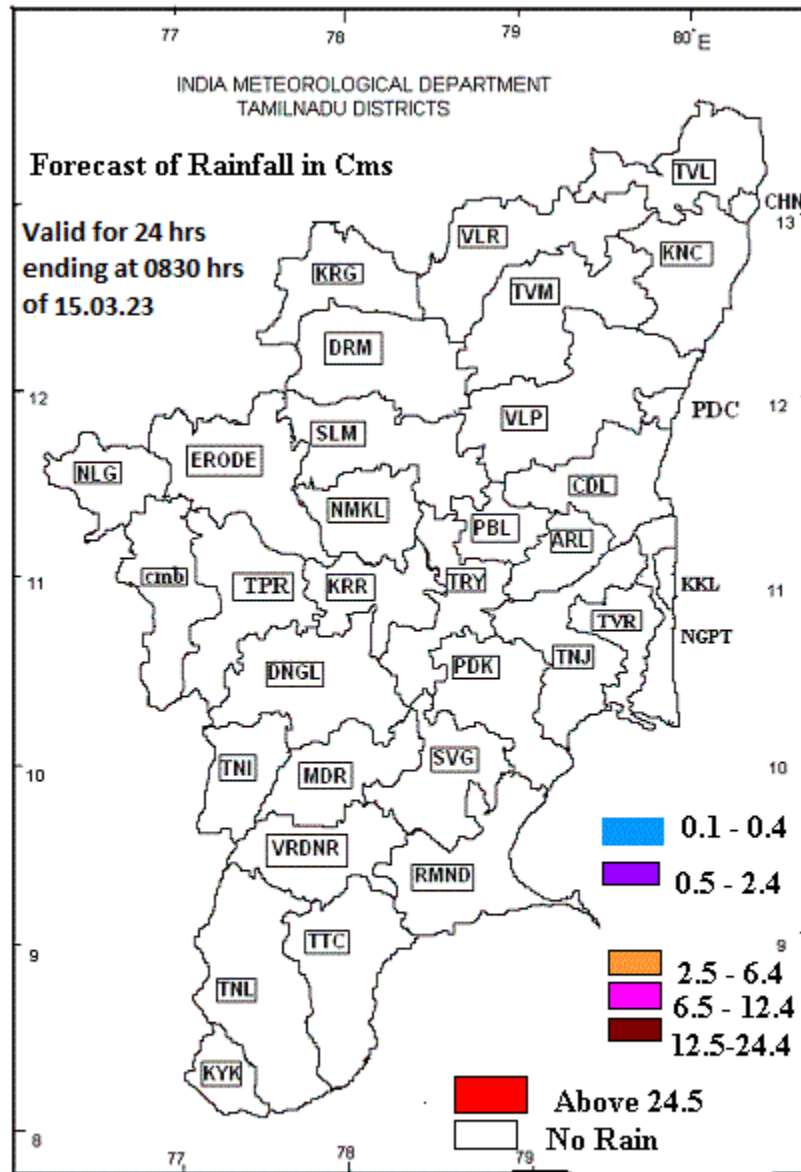
10.03.23 : Nil

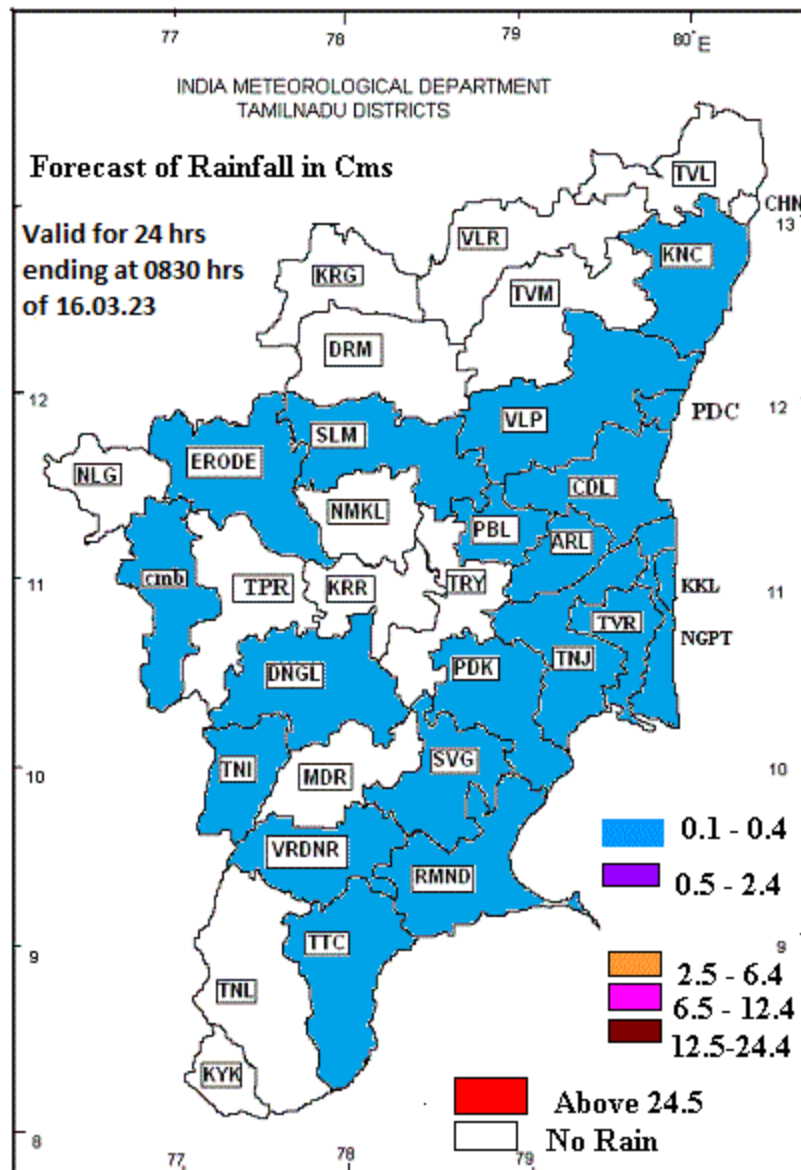
11.03.23 : Nil

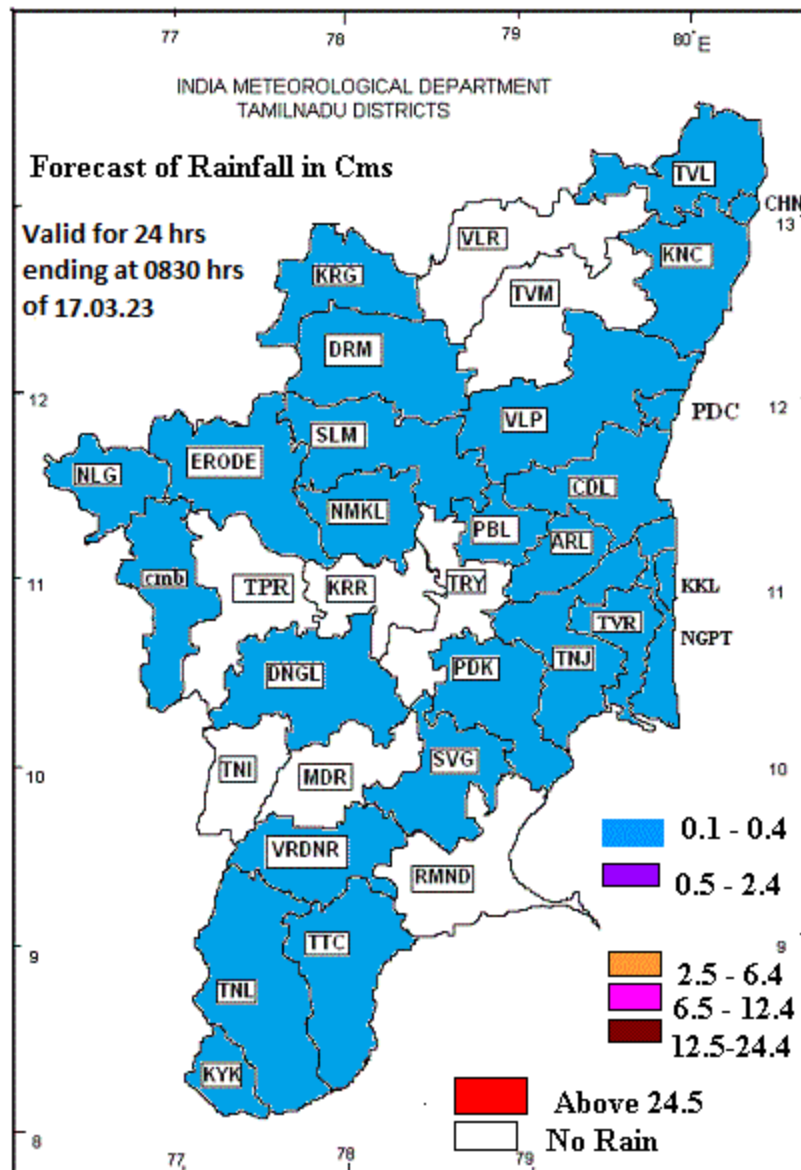
12.03.23 : Nil

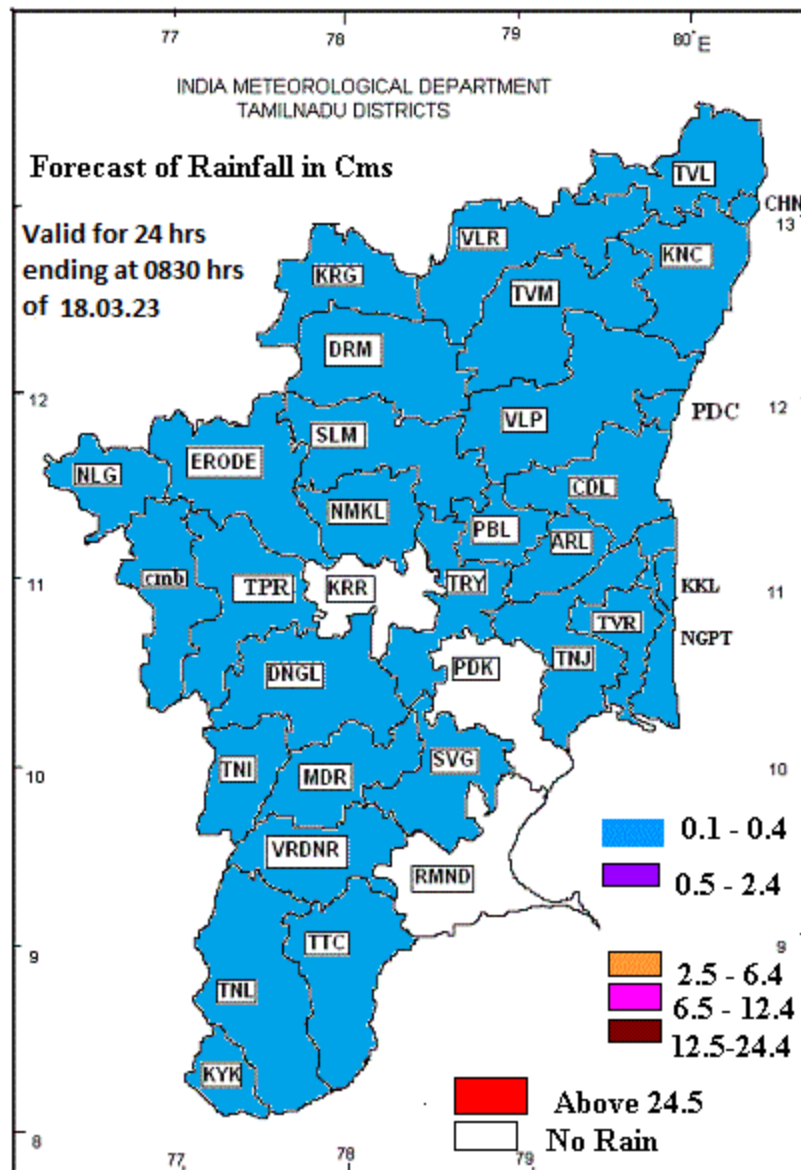
13.03.23 : Nil

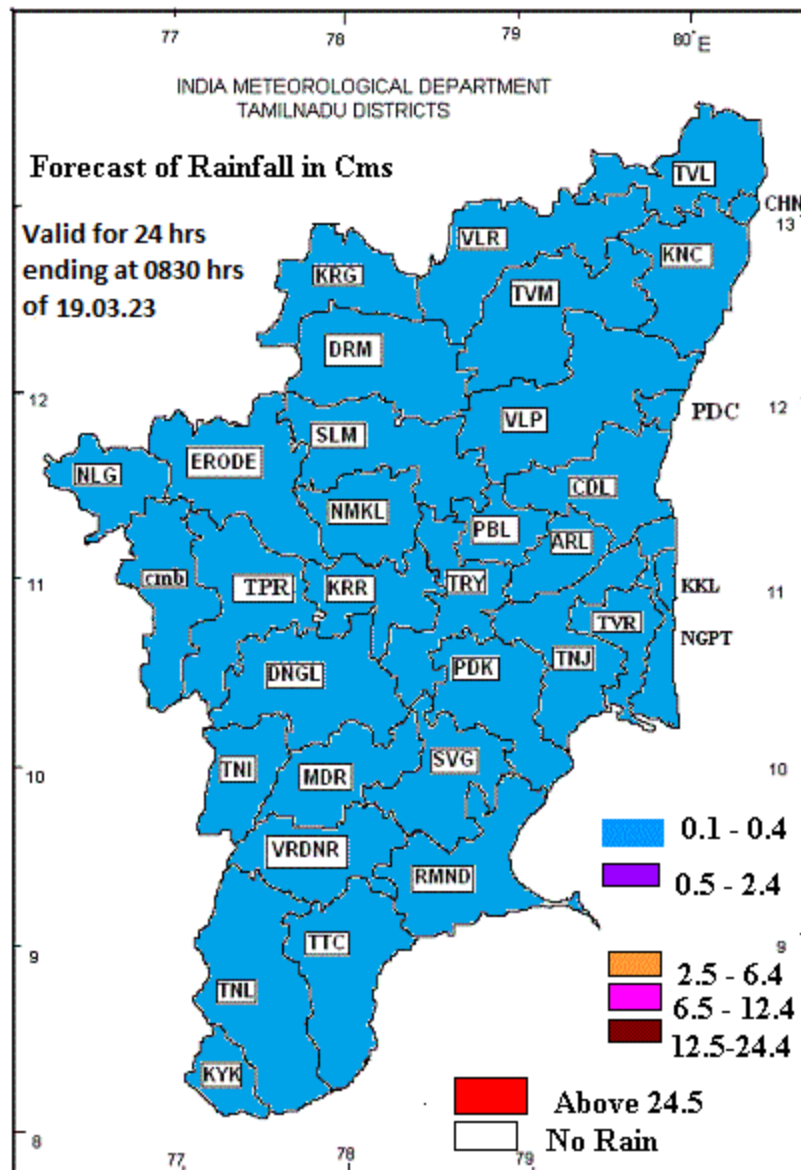
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 14.03.23
VALID FOR THE NEXT 5 DAYS**











District-wise Agromet Advisories

Chennai

SMS Advisory:

(16.03.2023-19.03.2023) Thunderstorm and lightning is likely to occur at isolated places over 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.
- 10.Plantation of trees around the livestock shed not only enhances ventilation but also prevent heat stress particularly dairy cattle.

Kancheepuram

SMS Advisory:

(16.03.2023-19.03.2023) Thunderstorm and lightning is likely to occur at isolated places over 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.
- 10.Plantation of trees around the livestock shed not only enhances ventilation but also prevent heat stress particularly dairy cattle.

Agricultural advisory Groundnut:

There are possibilities of early leaf spot infestation in groundnut. For management farmers are advised to spray Carbendazim 500 g/ha.

Blackgram:

There is possibilities leaf feeding insect infestation in pulses crops. For management farmers are advised to spray dimethoate @ 0.03%.

Chilli:

Farmers those who planting the chilli seedling are advised to apply 100kg/ac of neem cake before last ploughing.

Coconut:

In coconut there are possibilities of Rugose Spiraling whitefly infestation. For management farmers are advised to take up spray of Neem oil @ 3% .

Villupuram

SMS Advisory:

(16.03.2023-19.03.2023) Thunderstorm and lightning is likely to occur at isolated places over 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.
- 10.Plantation of trees around the livestock shed not only enhances ventilation but also prevent heat stress particularly dairy cattle.

Agricultural advisory

Rice:

Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 25% WG 100 g/ha or dimethoate 1.5ml/l. Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray carbosulfan 400 ml/ac or cartap hydrochloride 600 g/ac during morning or evening hours.

Gingelly:

Due prevailing weather conditions favourable for gingelly leaf webber. To control spray carbaryl 50 WP 1000 g/ha in 500 litre of water.

Cashew:

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

Coconut:

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

Encourage buildup of parasitoids (*Encarsia* sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. In sever case, spray neem oil 10 ml/lit of water or spray azadirachtin

2.0 ml/lit of water with 1.0 ml of sticking agent.

Jackfruit:

Prevailing weather is favorable for rhizopus rot infection in jack. To control spray 1% Bordeaux mixture or copper oxychloride @ 3.0 g/l or mancozeb 2.5 g/l threetimes at 15 days interval.

Tiruvannamalai

SMS Advisory:

(16.03.2023-19.03.2023) Thunderstorm and lightning is likely to occur at isolated places over 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.
- 10.Plantation of trees around the livestock shed not only enhances ventilation but also prevent heat stress particularly dairy cattle.

Agricultural advisory

To control leaf folder, spray chlorantraniliprole 18.5% SC @ 6mg per 10 litre of water. Spray 1% PPFM and incorporate the multiplied azolla insitu in the field for decomposition to release nitrogen.

Banana:

To control wilt in banana, apply *Bacillus subtilis* and *Trichoderma viride* @ 2.5 kg/ha. or drenching with *Bacillus subtilis* 5 ml/litre. To overcome micro nutrient deficiency and to improve quality of banana fruit micronutrient plays a major role. Micro nutrient can be sprayed at 3,5 and 7 months after planting of banana.

Coconut:

Apply coconut husks with convex surface facing upwards (100 Nos.) or dried coconut leaves (15 Nos) or coir pith up to a height of 10 cm in the basin of 1.8 m radius around the palms as mulch for soil moisture conservation particularly during summer season. Husk burial can be done in coconut basins or in the interspaces to overcome drought and button shedding. Bury husks @ 100 Nos. with concave surface facing upwards or 25 kg of coir pith /palm in circular trenches, dug 30 cm width and 60 cm depth at 1.5 meters radius.

Chilli:

Prevailing weather condition is favorable for thrips incidence in chilli. The symptom of damage is infected leaves develop crinkles and curl upwards. Hence farmers are requested to monitor the field and spray fipronil 1.5ml/litre.

Tomato:

Foliar spray of Zinc Sulphate (ZnSo 4 @ @ the 0.5 % thrice at 10 days intervals from 40 days after planting. Spray 19:19:19 + manganese (Mn) 1% at 60 days after planting.

Boric acid @ 0.3% @ flowering and 10 days later.

Mango:

NAA 20 PPM is sprayed at flowering to increase fruit retention during February 0.5 % urea (5g / lit) or 1 % potassium nitrate (10 g/lit) maybe sprayed to induce flowering, if trees do not flower by that time.

Tiruvallur

From extended range forecast Above normal rainfall and Below normal maximum temperature & normal minimum temperature expected for the period of 19.03.2022 to 25.03.2022 over Tamil Nadu. Inward ring basin may be strengthened around fruit trees to harvest anticipated rainfall in the root zone. Since light rainfall is expected irrigation may be done according to soil moisture.

Crop(Varieties)	Crop Specific Advisory
RICE	Rice- Tillering Stage to Flowering Stage- 1 Thrips- Spray azadirachtin 0.15% @ 600-1000 ml/acre (Or) Spray Thiamethoxam 25 WG @ 40 g/acre; 2.Stem bore- Spray Azadirachtin 0.03% 400 ml (Or) Flubendiamide 20% WG 50g per acre in 200 litres of water; 3.Algal growth- Apply for Copper sulfate 1 kg/ acre in mix with irrigation water; 4.Leaf folder- Spray Acephate 75 % SP 400 ml (Or) Spray Azadirachtin 0.03% 400ml per acre in 200 litres of water; 5. Rice blast - Spray Propiconazole 75 WP @ 200ml per acre in 200 litres of water (or) spray Tricyclozole @ 2g/lit of water; 5. Bacterial leaf blight- spray twice copper hydroxide 77 WP @500 g/acre; 30 and 45 days after planting (or) spray streptomycin sulphate + tetracycline combination @ 300 g + copper oxychloride @ 500 g per acre in 200 litres of water. If necessary repeat 15 days later.
BLACK GRAM	Black gram- 1.Spotted pod bore- Spray Thiodicarb 75% WP 250g per acre in 200 litres of water; 2.Yellow mosaic virus- Spray methyl demeton 25 EC 200ml or thiamethoxam 75WG @ 40g per acre in 200 litres of water.
GREEN GRAM	Green gram- Spotted pod bore- Spray Thiodicarb 75% WP 250g per acre in 200 litres of water.
GROUNDNUT	Groundnut- 1.Tobacco caterpillar- Spray Neem oil (2%) 8 litre per acre or Quinalphos 25 EC 300m l/acre. and Monitor the emergence of adult moths by setting up light and pheromone traps; 2. Late leaf spot- Spray hexaconazole 5% EC @ 600 ml (or) Spray propiconazole 25% EC @ 200 ml per acre in 200 litres of water.
SUGARCANE	Sugarcane-Early shoot borer- Spray Thiamethoxam 75% w/w SG @ 64 g (or) Spray Chlorantraniliprole 18.5 % SC @ 150 ml per acre in 200 litre of water.
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/ 1 liter of water; 2.Yellow muranai mite- Spray Buprofezin 25 SC 8.0 ml /10 lit (or) Spray Emamectin benzoate 5 SG 4 g /10 lit.
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.Little Leaf - Remove the affected plants in the early stages and spray dimethoate 30 EC @ 1 ml/l to control the vector.
MANGO	Mango- Flower webber- Spray phosalone 35 EC 2ml/l.

COCONUT	Coconut- Rugose Spiralling Whitefly- 1.Release of Encarsia guadeloupeae @ 100 parasitoids /ac (10 leafbits/ac); 2. Installation of yellow sticky traps (5 ft. x 1.5 ft.) smeared with castor oil @ 5/ ac; 3.Release of Chrysoperla zastrowi sillemi eggs @ 500/ac in young palm; 4. Spray Neem Oil 5ml/l and Sooty mould spray 5% maida.
WATER MELON	Water melon- yellow mosaic virus (white fly)- Spray Imidacloprid 70% WR 60 ml per acre in 200 liters of water. (Or) Spray Neem seed kernel extract 5%.

Vellore

As per the IMD extended range forecast (ERF), generally above normal rainfall and normal temperature is likely over Tamil Nadu and Puducherry during March 19th to 25th 2023. Provide mulching to the vegetable crops . Harvest the matured crops. Very light rainfall with dry weather may be expected on forthcoming days. So, farmers are advised irrigate the field based on soil moisture.

Crop(Varieties)	Crop Specific Advisory
RICE	Spray 1% PPFM and incorporate the multiplied azolla insitu in the field for decomposition to release nitrogen.
Horticulture(Varieties)	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. To overcome micro nutrient deficiency and to improve quality of banana fruit micronutrient plays a major role. Micro nutrient can be sprayed at 3, 5 and 7 months after planting of banana.
COCONUT	Apply coconut husks with convex surface facing upwards (100 Nos.) or dried coconut leaves (15 Nos) or coir pith up to a height of 10 cm in the basin of 1.8 m radius around the palms as mulch for soil moisture conservation particularly during summer season. Husk burial can be done in coconut basins or in the interspaces to overcome drought and button shedding. Bury husks @ 100 Nos. with concave surface facing upwards or 25 kg of coir pith /palm in circular trenches, dug 30 cm width and 60 cm depth at 1.5 meters radius.
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.
TOMATO	Foliar spray of Zinc Sulphate (ZnSo 4 @ @ the 0.5 % thrice at 10 days intervals from 40 days after planting. Spray 19:19:19 + manganese (Mn) 1% at 60 days after planting. Boric acid @ 0.3% @ flowering and 10 days later.
MANGO	NAA 20 PPM is sprayed at flowering to increase fruit retention during February 0.5 % urea (5g / lit) or 1 % potassium nitrate (10 g/lit) maybe sprayed to induce flowering, if trees do not flower by that time.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Get your dairy cows, heifers, calves, bullocks and bull FMD (Foot and mouth Disease). Vaccinated through veterinary assistant surgeon of veterinary dispensary of your area.

GOAT	Get your sheep and goat deworming and FMD vaccinated through veterinary assistant surgeon of veterinary dispensary of your area.
Poultry(Varieties)	Poultry Specific Advisory
HEN	Give vaccination to poultry chicks and growing birds. Give F strain eyes nasal drops on day-7, IBD Vaccine as nasal or eyes drop on day -14, and Lasota strain Vaccine on day 21 as eyes and nasal drop injection RDVK under wing web. Keep the vaccine stored in ice for all time.

Cuddalore

From extended range forecast above normal rainfall, below normal maximum temperature and normal minimum temperature expected for the period of 19.03.2023 to 25.03.2023 over Tamil Nadu. Alage in paddy field reduces the growth of crops. To control apply, 2.0 kg of copper sulphate mix with sand.

Crop(Varieties)	Crop Specific Advisory
RICE	1. Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 25% WG 100 g/ha or dimethoate 1.5ml/l. 2. Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray carbosulfan 400 ml/ac or cartap hydrochloride 600 g/ac during morning or evening hours.
GINGELLY	Due prevailing weather conditions favourable for gingelly leaf webber. To control spray carbaryl 50 WP 1000 g/ha in 500 litre of water.
Horticulture(Varieties)	Horticulture Specific Advisory
CASHEW	To control tea mosquito bug first spraying with thiamethoxam 25% WG (100 g/ha) at flushing stage, second spraying with chlorpyrifos 2.0 ml/lit at flowering and
	third spraying with profenophos 1.0 ml/lit at fruit set stage.
COCONUT	1. Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. 2. Encourage buildup of parasitoids (Encarsia sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. 3. In sever case, spray neem oil 10 ml/lit of water or spray azadirachtin 2.0 ml/lit of water with 1.0 ml of sticking agent.
JACK FRUIT	Prevailing weather is favorable for rhizopus rot infection in jack. To control spray 1 % Bordeaux mixture or copper oxychloride @ 3.0 g/l or mancozeb 2.5 g/l three times at 15 days interval.

Coimbatore

Agro Advisory:

Crop	Stage	Advisory
General		Drizzling is expected with wind speed of 4-6 km/hr in few places of western zone during next five days. The temperature may slightly decrease with increasing cloud cover Provide irrigation based on soil moisture during evening hours and apply

		mulches to conserve moisture.
Sesamum	Vegetative	Prevailing high temperature is favourable for the sucking pest incidence in sesame hence farmers are request to monitor the field, if necessary spray any systemic insecticides or 5% Neem Seed Kernel Extract
Vegetables	Vegetative	Since temperature starts increasing, sucking pest like aphids, Thrips, Leaf Minor and Jassids may increases in Vegetable crops. If needed spray 5% Neem Seed Kernal Extract.
Moringa	Flowering & fruiting	The prevailing weather condition is favorable for fruit fly incidence in drumstick may be increasing. Hence, neem oil spray is recommended to control the above pest.
Banana		Under extreme fluctuation of relative humidity between morning and evening, heart rot disease in banana is seen in some places. To control this disease, pour a mixture of 20 g of bleaching powder dissolved in one litre of water followed by another dose ten days later. Enough soil moisture must be available for this soil application of chemicals.
Coconut		Inward basin may be formed around the coconut trees to conserve the summer rain water in root zone. Attack of rhinoceros beetle is being observed in coconut. Remove the tree top debris and keep the naphthalene balls @ 3 to 4 number per tree along with sand.
Animal		Considering the temperature rise, milch animals need mineral mixture and hence 50grams of TANUVAS smart mineral mixture per animal per day may be mixed along with animal feed. Since temperature is rising provide enough drinking water. Prevailing high temperature leads to temperature stress in poultry and hence wetted gunny bags may be hanged in the side walls of the shed.

SMS advisory

Prevailing weather is favourable for the sucking pest incidence in sesame. If necessary spray any systemic insecticides or 5% Neem Seed Kernel Extract.

Erode

Agro Advisory

Crop	Stage	Advisory
General		Drizzling is expected with wind speed of 4-6 km/hr in few places of western zone during next five days. The temperature may slightly decrease with increasing cloud cover Provide irrigation based on soil moisture during evening hours and apply mulches to conserve moisture.
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SMS advisory

Prevailing weather is favourable for the sucking pest incidence in sesame. If necessary spray any systemic insecticides or 5% Neem Seed Kernel Extract.

Tiruppur

Agro Advisory:

Crop	Stage	Advisory
General		Drizzling is expected with wind speed of 4-6 km/hr in few places of western zone during next five days. The temperature may slightly decrease with increasing cloud cover Provide irrigation based on soil moisture during evening hours and apply mulches to conserve moisture.
Sesamum	Vegetative	Prevailing high temperature is favourable for the sucking pest incidence in sesame hence farmers are request to monitor the field, if necessary spray any systemic insecticides or 5% Neem Seed Kernel Extract
Vegetables	Vegetative	Since temperature starts increasing, sucking pest like aphids, Thrips, Leaf Minor and Jassids may increases in Vegetable crops. If needed spray 5% Neem Seed Kernal Extract.
Moringa	Flowering & fruiting	The prevailing weather condition is favorable for fruit fly incidence in drumstick may be increasing. Hence, neem oil spray is recommended to control the above pest.
Banana		Under extreme fluctuation of relative humidity between morning and evening, heart rot disease in banana is seen in some places. To control this disease, pour a mixture of 20 g of bleaching powder dissolved in one litre of water followed by another dose ten days later. Enough soil moisture must be available for this soil application of chemicals.
Coconut		Inward basin may be formed around the coconut trees to conserve the summer rain water in root zone. Attack of rhinoceros beetle is being observed in coconut. Remove the tree

		top debris and keep the naphthalene balls @ 3 to 4 number per tree along with sand.
Animal		Considering the temperature rise, milch animals need mineral mixture and hence 50grams of TANUVAS smart mineral mixture per animal per day may be mixed along with animal feed. Since temperature is rising provide enough drinking water. Prevailing high temperature leads to temperature stress in poultry and hence wetted gunny bags may be hanged in the side walls of the shed.

SMS advisory

Prevailing weather is favourable for the sucking pest incidence in sesame. If necessary spray any systemic insecticides or 5% Neem Seed Kernel Extract.

Nilgiris

To manage early blight in potato crop, foliar spray of hexaconazole 2%SC @ 0.06% or mancozeb @ 2 g/l or chlorothalonil @ 2 g/l at 45, 60 and 75 days after planting 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
BITTER GOURD	manage aphids and jassids in bitter gourd, foliar application of imidacloprid 70WG 1.0g/10lit. is recommended.

Ariyalur, Karur, Nagapattinam, Perambalur, Thanjavur and Tiruvarur

Agro Advisory

Crop	Stage	Advisory
General		Farmers can utilize the mobile apps viz., (TNAU AAS, Meghdoot and DAMINI), for more updated weather information.
Black gram	Flowering	In rice fallow black gram, spray DAP (2%) + KCl (1%) solution on morning or evening at flower initiation and another at 15 days interval. Alternatively "pulse wonder" at 5.0 kg/ha can be sprayed during flower initiation.
Cotton		In rice fallow cotton, one hand weeding has to be given on 45 DAS. After 3 days of weeding top dressing fertilizer can be done along with earthing up.
Cattle	Calves	Calves above 3 months and sheep and goat above 2 months should be vaccinated against Foot and Mouth disease.

SMS advisory

In rice fallow cotton, one hand weeding has to be given on 45 DAS. After 3 days of weeding top dressing fertilizer can be done along with earthing up.

Tiruchirapalli

Tamilnadu's average rainfall is likely to be decrease than normal during this week (15.03.2023 to 21.03.2023) From 5.29 mm to 0.75 mm. Due to high day temperature animal may be provided with adequate amount of good drinking water.

Crop(Varieties)	Crop Specific Advisory
SORGHUM (JOWAR/GREAT MILLET)	Due to prevailing weather aphids infestation may occur in sorghum. To control aphids, Spray dimethoate 30 EC at 500 ml/ha.
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Coconut Tonic: Root feeding of the tonic @ 200 ml / palm twice a year at six months interval. Benefits: Increases chlorophyll content and greenness of leaves,
	Improves photosynthetic efficiency of leaves, Decreases button shedding, Increases number and size of nuts, Increases nut yield up to 20 per cent, Increases longevity and vigour of the palm, Imparts resistance to pests, diseases and environmental stresses.
TOMATO	Due to prevailing weather the early blight incidence may occur in tomato. To control, Spray propiconazole 25% EC @ 1 ml/l at 30 and 50 days after planting.
BRINJAL	Due to prevailing weather the damping off incidence may occur in brinjal. To control, Avoid stagnation of water. Drench with copper oxychloride at 2.5 g/l @ 4 l/sq.m.
BANANA	Due to prevailing weather the yellow sigatoka incidence may occur in banana. To control, remove affected leaves and burn and spray copper oxychloride @ 2.5 gm / ltr at monthly interval from November onwards.
CHILLI	Due to prevailing weather the powdery mildew incidence may occur in chillies. To control, spray carbendazim @ 1 g/l three sprays at 15 days interval from the first appearance of symptoms.
ONION	Due to prevailing weather Pythium Root Rot incidence may occur in onion, To control this disease, if after sprouting, apply trichoderma viride @ 2.5 kg/ha with FYM by soil application. if not yet started sowing treat the bulbs with thiram or captan @ 4 g/kg.
Live Stock(Varieties)	Live Stock Specific Advisory

COW	Considering the temperature, artificial insemination to animals can be done in morning before 11am after cooling the animals by bathing. Milch animals and buffaloes may be given water spray on their bodies and also enough drinking water may be given for their voluntary drinking.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Prevailing high temperature leads to temperature stress in poultry and hence wetted gunny bags may be hanged in the side walls of the shed.
Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Application of micro nutrients to vegetable crops may give good results. Farmers are advised to apply micronutrients to the vegetable crops through fertigation or foliar spray during the flowering to fruiting stage.

Tiruchirapalli Block level

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

Tamilnadu's average rainfall is likely to be decrease than normal during this week (15.03.2023 to 21.03.2023) From 5.29 mm to 0.75 mm. Due to high day temperature animal may be provided with adequate amount of good drinking water.

Crop(Varieties)	Crop Specific Advisory
SORGHUM (JOWAR/GREAT MILLET)	Due to prevailing weather aphids infestation may occur in sorghum. To control aphids, Spray dimethoate 30 EC at 500 ml/ha.
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Coconut Tonic: Root feeding of the tonic @ 200 ml / palm twice a year at six months interval. Benefits: Increases chlorophyll content and greenness of leaves, Improves photosynthetic efficiency of leaves, Decreases button shedding, Increases number and size of nuts, Increases nut yield up to 20 per cent, Increases longevity and vigour of the palm, Imparts resistance to pests, diseases and environmental stresses.
TOMATO	Due to prevailing weather the early blight incidence may occur in tomato. To control, Spray propiconazole 25% EC @ 1 ml/l at 30 and 50 days after planting.
BRINJAL	Due to prevailing weather the damping off incidence may occur in brinjal. To control, Avoid stagnation of water. Drench with copper oxychloride at 2.5 g/l @ 4 l/sq.m.
BANANA	Due to prevailing weather the yellow sigatoka incidence may occur in banana. To control, remove affected leaves and burn and spray copper oxychloride @ 2.5 gm / ltr at monthly interval from November onwards.
CHILLI	Due to prevailing weather the powdery mildew incidence may occur in chillies. To control, spray carbendazim @ 1 g/l three sprays at 15 days interval

	from the first appearance of symptoms.
ONION	Due to prevailing weather Pythium Root Rot incidence may occur in onion, To control this disease, if after sprouting, apply trichoderma viride @ 2.5 kg/ha with FYM by soil application. if not yet started sowing treat the bulbs with thiram or captan @ 4 g/kg.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Considering the temperature, artificial insemination to animals can be done in morning before 11am after cooling the animals by bathing. Milch animals and buffaloes may be given water spray on their bodies and also enough drinking water may be given for their voluntary drinking.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Prevailing high temperature leads to temperature stress in poultry and hence wetted gunny bags may be hanged in the side walls of the shed.
Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Application of micro nutrients to vegetable crops may give good results. Farmers are advised to apply micronutrients to the vegetable crops through fertigation or foliar spray during the flowering to fruiting stage.

Dindigul

THUNDERSTORM WARNING: Thunderstorms with lightning are likely to occur at one or two places over Tamilnadu during 17 to 19 Mar 2023. Keep your Livestock / Animals safely in the shelters. In order to overcome the fodder crisis during summer months, farmers are requested to allot 10 per cent of the irrigated land to fodder crops viz., Cumbu Napier Hybrid or any other fodder crops. To safeguard your animals from lightning and thunderstorm, remove the metal bells tied to the necks of animals. Chances of very light rain during 16, 17, 18 & 19 Mar. 35°C- 36°C & Min temp -21°C- 22°C. Partly cloudy sky will appear for the next four days. Wind speed 4-6 kmph from W, SW, NW, N & NE directions.

Horticulture(Varieties)	Horticulture Specific Advisory
TOMATO	Vegetable crops cultivators can establish temporary mini farm pond using polythene sheets and based on the slope use mobile sprinklers for pumping out the water from the farm pond to mitigate the drought during critical stages of plant growth.
OKRA/ LADYFINGER	Due to the hot weather the incense of Vein-Clearing/Yellow Vein Mosaic in Bhendi. yellowing of the entire network of veins in the leaf blade is the characteristic symptom. The virus is transmitted by the whitefly. This can be controlled by the application of Chlorpyrifos @ 2.5ml and neem oil @ 2ml /litre of water. By selecting the varieties like Parbhani Kranti, Arka Anamika, and Arka Abhap which are resistant to yellow vein mosaic the incidence of the disease can be minimized.
Live Stock(Varieties)	Live Stock Specific Advisory

COW	Heat stress can be managed by spraying/ sprinkling water directly on the body of animals for a period of 1 to 5 minutes at an interval of 30 minutes. Ensure adequate round the
	clock drinking water to animals, which should be provided under shade. Feeding should be practiced during early morning, evening & night. Prefer grazing during early morning & late evening hours to avoid the scorching heat.

Madurai

THUNDERSTORM WARNING: Thunderstorms with lightning are likely to occur at one or two places over Tamilnadu during 17 to 19 Mar 2023. Keep your Livestock / Animals safely in the shelters. In order to overcome the fodder crisis during summer months, farmers are requested to allot 10 per cent of the irrigated land to fodder crops viz., Cumbu Napier Hybrid or any other fodder crops. To safeguard your animals from lightning and thunderstorm, remove the metal bells tied to the necks of animals. Chances of very light rain on 18 & 19 Mar. 35°C- 36°C & Min temp -21°C- 22°C. Partly cloudy sky will appear for the next four days. Wind speed 4-6 kmph from SW, NW & N directions.

Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	The incense of Mealy Bug in Coconut. Mealy bugs colonize on all tender plant parts like bases of spear leaf, spadix and inflorescence and beneath the perianth of the nut. As a result, the leaves become highly stunted, suppressed, deformed and present a crinkled appearance. Mealy bugs infest the unopened heartleaf and inflorescence. It feed plant sap. Leaves are yellowing and dry up. Button mealy bugs colonize under the perianth lobes of tender nuts. Infested nuts harbouring gravid mealy bugs remain on the spadix, which serve as inoculum for further spread. Remove leaflets harbouring these insects and destroy them. To manage the mealy bug spray Neem Oil @ 1 litre per acre with sticky agent @ 100ml/acre.
PAPAYA	The incense of Green peach aphid in Papaya. The symptoms are nymphs and adults suck the sap from leaves, petioles and fruits. Due to this leaf curling and falling of premature fruit will happen. To control this, remove and destroy damaged plant parts, release parasitoid Aphelinus mali and predator Coccinella septumpunctata in the field. And spray Acetamiprid @ 6gms per 10 litre of water.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Heat stress can be managed by spraying/ sprinkling water directly on the body of animals for a period of 1 to 5 minutes at an interval of 30 minutes. Ensure adequate round the clock drinking water to animals, which should be provided under shade. Feeding should be practiced during early morning, evening & night. Prefer grazing during early morning & late evening hours to avoid the scorching heat.

Pudukottai

Prevailing high temperature leads to temperature stress in poultry and hence wetted gunny bags may be hanged in the side walls of the shed. Completely avoid "burning" of crop residues and weeds in fields with dry weather, moderate winds and dry bush conditions.

Horticulture(Varieties)	Horticulture Specific Advisory
CHILLI	Due to the prevailing weather conditions the incidence of Muranai mite is expected in Chilly. The symptoms of damages are downward curling and crinkling of leaves, leaves with elongated petiole and stunted growth of plant. To control install 12 Nos. of blue colour sticky trap and 12 Nos. of yellow colour sticky trap per acre in same pole as per the height of plants. Also spread 25 Kg of Neem cake or Neem Kernel per Acre.
BRINJAL	Application of Micronutrients to vegetable crops may give good results. Farmers are advised to apply micronutrients to the vegetable crops through fertigation or foliar spray during the flowering to fruiting stage.
COCONUT	Prevailing hot weather may be favorable for spirality white fly in Coconut. Hence farmers are requested to monitor the incidence and fix yellow sticky traps in 5-6 places / acre.
Live Stock(Varieties)	Live Stock Specific Advisory
GOAT	In the explained weather conditions, Sheep and goat farmers in the endemic areas of sheep pox should avoid common grazing lands and are advised to vaccinate their animals during the month of March after consultations with veterinarians.

Ramanathapuram

By spraying of pulse wonder @ 2 kg per acre through the leaf at the time of flowering to get a higher yield in black gram and improve the soil fertility. From extended range forecast, Above normal rainfall, Below normal maximum temperature and normal minimum temperature expected for the period of March 19 to March 25 over Tamil Nadu.

Crop(Varieties)	Crop Specific Advisory
COTTON	Prevailing weather condition incidence of leaf hopper is expected in cotton. The damage symptoms are margin of the leaves start curling downwards and reddening. In the case of severe infestation, leaves get a bronze or brick red colour which is typical "hopper burn" symptom. The margin of the leaves get broken and crumble into pieces when crushed. The leaves dried up and are shed and the growth of the crop is retarded. If symptoms are observed in cotton field spray any one of the following chemicals. Fipronil 5% SC @ 600 ml/ac or Imidacloprid 17.8% SL @ 40 ml/ac or Thiamethoxam 25% WG @ 40g/ac.
Horticulture(Varieties)	Horticulture Specific Advisory

CHILLI	Due to the prevailing day time temperature and humidity is favourable for incidence of die back and fruit rot in chilli. Diseased plant branches and younger leaves get withered. Brown discoloration and small black spot appears on infested fruits. If symptoms noticed adopt the recommended action of spraying of Copper oxychloride 50 WP @ 500 g/ac or Mancozeb 75 WP @ 400 g/ac with 200 liter of water (3 times at 15 days interval).
COCONUT	Due to the prevailing weather condition incidence of rugose whitefly is expected in coconut. The damage symptoms are presence of heavy white waxy material and sticky honeydew on the under surface of leaves and become black sooty mold formation on the coconut leaves. If symptoms are observed in coconut tree. Spraying of water forcibly on the under surface of the palm by forcible sprayers. Setting up of yellow sticky traps smeared with castor oil @ 10 Nos. /acre. Spraying with boiled maida flour paste @ 25g/liter of water. Spraying of @ 5 ml of neem oil in one liter of water along with 1 ml of sandovit as sticking agent.

Sivagangai

THUNDERSTORM WARNING: Thunderstorms with lightning are likely to occur at one or two places over Tamilnadu during 17 to 19 Mar 2023. Keep your Livestock / Animals safely in the shelters. In order to overcome the fodder crisis during summer months, farmers are requested to allot 10 per cent of the irrigated land to fodder crops viz., Cumbu Napier Hybrid or any other fodder crops. To safeguard your animals from lightning and thunderstorm, remove the metal bells tied to the necks of animals. Chances of very light rain during 16, 17, 18 & 19 Mar. 35°C- 36°C & Min temp -21°C- 22°C. Partly cloudy sky will appear for the next four days. Wind speed 6-8 kmph from W, NW & N directions.

Horticulture(Varieties)	Horticulture Specific Advisory
BANANA	There is a chance for the incidence of nematode in the Banana varieties like Poovan, Rasthali, Monthan, Karpooravalli and Neypoovan, which are planted during the March, and April months. As a preventive measure, before planting, pre-treat the suckers with press mud application and pare and dip the corm in the solution of 5gm pseudomonas fluorescence, 5gm Trichoderma viride, and 5gm Bacillus, shade dry and plant.
BRINJAL	Farmers are advised to monitor the whitefly in the Brinjal field. To manage this, fix the yellow sticky trap at 5 Nos. per acre. And Spray the mixture of 3ml Neem oil with 1ml Teepol (Sticky agent) per litre of water.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Heat stress can be managed by spraying/ sprinkling water directly on the body of animals for a period of 1 to 5 minutes at an interval of 30 minutes. Ensure adequate round the
	clock drinking water to animals, which should be provided under shade. Feeding should be practiced during early morning, evening & night. Prefer grazing during early morning & late evening hours to avoid the scorching heat.

Theni

THUNDERSTORM WARNING: Thunderstorms with lightning are likely to occur at one or two places over Tamilnadu during 17 to 19 Mar 2023. Keep your Livestock / Animals safely in the shelters. In order to overcome the fodder crisis during summer months, farmers are requested to allot 10 per cent of the irrigated land to fodder crops viz., Cumbu Napier Hybrid or any other fodder crops. To safeguard your animals from lightning and thunderstorm, remove the metal bells tied to the necks of animals. Chances of very light rain during 16, 18 & 19 Mar. 35°C- 36°C & Min temp -21°C- 22°C. Partly cloudy sky will appear for the next four days. Wind speed 6 kmph from SW, NW & N directions.

Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	During the summer season, mulching technology can be practised in Coconut grooves to reduce water evaporation. Apply the coconut husks (100 Nos.) with the convex surface facing upwards or dried coconut leaves (15 Nos) or coir pith up to a height of 10cm in the basin of 1.8 metre radius around the palms as mulch for soil moisture conservation.
BRINJAL	The incidence of Fruit and shoot Borer is noticed in the Brinjal crop. The symptom of damage appears on fruit and shoot. The terminal shoots/dead hearts are withering. Boreholes on shoots and fruits plugged with excreta, shedding of flower buds. To control, setup light traps @ 2 nos. per acre. After harvesting, spray Neem Seed Kernal Extract (NSKE) @ 40ml + sticky agent @ 10ml with 10 litres of water.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Heat stress can be managed by spraying/ sprinkling water directly on the body of animals for a period of 1 to 5 minutes at an interval of 30 minutes. Ensure adequate round the
	clock drinking water to animals, which should be provided under shade. Feeding should be practiced during early morning, evening & night. Prefer grazing during early morning & late evening hours to avoid the scorching heat.

Salem

Weather Advisory Bulletin for livestock, poultry and agro advisory

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Salem:		
Crops	General	Dry weather and increasing temperature may increase incidence of sucking pests. Monitor the crop and take necessary prophylactic measures. Irrigate the crop as per requirement and use mulching to reduce evaporation, enhance water holding capacity and soil health.
Bhendi/orkra/ brinjal:	Vegetative stage	High temperature and dry weather favours multiplication of red spider mite. To manage red spider mite spray wettable sulphur 80 wg at 40g per acre or propargite 57 ec at 400 ml per acre

blackgram	Vegetative stage	Higher Maximum temperature may favour proliferation of white fly. Install yellow stick trap @ 10 numbers per acre to monitor the whitefly incidence. To manage this vector (white fly) of yellow mosaic disease spray 5 % Neem seed Kernel extract or thiamethoxam 25 WG – 50g/ac using hand operated sprayer.
Coconut	Vegetative	Mulch coconut basins with green or dry leaves to save water loss. Husk burial can be practiced with concave side up either in linear trenches taken 3 m away from the trunk between rows of palms or in circular trenches taken around the palm at a distance of 2 m from the trunk.
Tomato:	Vegetative	Dry and hot weather favours multiplication of white fly. For management of leaf curl virus, remove infected plant part and controlling whitefly vector by spraying Acetamiprid @ 3gram/15 lit. Install yellow sticky traps for sucking pests.
Tapioca:	Vegetative	High temperatures associated with high fecundity, rapid development, and greater longevity of white fly which spreads Cassava mosaic disease. Dry weather favours red spider mite incidence in Tapioca. To manage red spider mite damage Spray wettable sulphur 50 WP 2g/lit or dicofol 18.5 EC 2.5 ml/lit
Mango	Flowering	Excess irrigation during flowering stage leads to flower drop. Hence, Avoid excess watering during flowering. During flowering stage incidence of mango hoppers, sooty mould and powdery mildew occurs. To manage Spray 0.6 ml imidacloprid 17.8 SI per 1l of water or 0.6 g Thiamethoxam 25 WG per l of water or 0.6 g Acetamiprid 20 SP per l of water or 0.6 ml spirotetramat 150 OD with 2.5 g/l wettable sulphur 75 WP In case of delayed flowering in Mango, spray 10 g of urea/ l of water. Spray twice after 21 days
Acid lime:	Vegetative	As the prevailing dry weather & increase in temperature, Follow irrigation with double ring if there is no drip system. Irrigate acid lime orchard at 7 to 10 days interval

Namakkal

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	Due to prevailing weather condition favourable for ranikhet disease in poultry. The main symptoms are twisting of neck and paralysis of wings and legs, Diarrhoea, Drop in egg production and sudden death. Desi birds should be vaccinated against Ranikhet Disease on 7th day with F1 strain (Eye drop), on 28th day with Lasota (Eye drop) and on 56th day with RDVK vaccine. Along with that to reduce the incidence of Ranikhet Disease use ethno veterinary medicine as follows Required Ingredients for 10 desi birds

		<p>Cumin seeds (Seeragam) – 10 grams Black pepper (Milagu) - 5 grams Turmeric powder - 5 grams Small onion - 5 numbers Garlic - 5 cloves Phyllanthus amarus (Keelanelli) – 50 grams Procedure: Grind all the ingredients and make slimy paste into small balls. The balls may be giving in divided doses through oral route or mix with feed ingredients and can be given to the affected birds.</p>
Livestock	General	In dairy animals, to improve fat and SNF in milk during summer season 100 grams of sodium bicarbonate /animal should be added daily in feed. Also 70 litres of good quality drinking water should be given to all dairy animals daily.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Coconut	Vegetative stage	<p>Coconut rugose spiraling whitefly incidence was noticed all over Namakkal district. It can be managed by spraying Neem oil – 5 ml with 1.5 ml sticking agent using power gun sprayer and placing yellow sticky trap of 3 ft X 1.5ft @ 10 numbers / acre. Sooty mould can be controlled by spraying starch solution and allowing chrysoperla insect feeder @ 400 numbers and Encarsia parasitoid @ 100 / acre. Avoid using chemical pesticides.</p>
Tapioca	Vegetative stage	In the forth coming days the temperature will be expected to raise, so the tapioca farmers are advised to spray pink pigmented methylotrophs @ 200 ml/ acre to withstand drought as well as high temperature.
Vegetable crops	Vegetative stage	Due to high temperature during current weather condition, sucking pest incidence is more in vegetable crops and yield will be reduced. Hence, farmers are advised to install yellow sticky trap (5 no / acre) and foliar spray of neem oil and pungam oil (75 ml+75 ml+ 20 ml wetting agent / 15 litre of water) to control the sucking pest in vegetable crops.

Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

<p>General Advisory Very light to light rainfall, Apply light and frequent irrigation to the standing crops, Increase the frequency of irrigation at critical growth stages. Mulch with crop residue, straw, /polythene or undertake soil mulching to conserve soil moisture. Irrigate only during the evening or early morning. High relative humidity with moderate wind speed is conducive for disease spread. So, farmers are advised to take the prophylactic measures to control the disease spread, Harvested agricultural and horticultural produce may be stored under protective shelter and to protect the livestock, poultry and pets.</p>	
<p>Very light to light Rainfall - Apply light and frequent irrigation to the standing crops, Mango hoppers incidence Spray Imidacloprid 17.8 SL 2.0 ml/10 litter or Dimethoate 30EC 1.5 ml/l.</p>	
Crop	Advisory
Mango	<p>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</p>

	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.
Groundnut	Groundnut - Aphids Wilting of tender shoots during hot weather, Stunting and distortion of the foliage and stems, They excrete honeydew on which sooty molds flow forming a black coating Act as vector for peanut stripe virus and groundnut rosette virus complex Apply anyone of the following insecticides for control measures Chlorpyrifos 20%EC 1000 ml/ha or Imidacloprid 17.8% SL 100-125 ml/ha or Methyl demeton 25% EC 1000 ml/ha
Paddy	Paddy - Brown Spot- prevailing weather condition Temperature of 25-30°C, Relative humidity above 80 per cent, excess of nitrogen aggravates the disease incidence attacks seedling in nursery to milky stage in main field. The disease appears first as minute brown dots later becoming cylindrical or oval to circular to control Carbendazim12% + Mancozeb 63%wp 2.0 g per lit.
Cattle	Due to the prevailing weather condition, your cattle may be affected by issues like respiratory distress and mucous discharge from the mouth. To overcome these problems, farmers are advised to prepare and feed the mixture balls. Take an equal amount of Jaggery, Cumin seed, and Onion. Grind the ingredients and make them round balls. Feed these balls to the affected cow at the morning and evening hours.

Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	<p>Due to prevailing weather condition favourable for ranikhet disease in poultry. The main symptoms are twisting of neck and paralysis of wings and legs, Diarrhoea, Drop in egg production and sudden death. Desi birds should be vaccinated against Ranikhet Disease on 7th day with F1 strain (Eye drop), on 28th day with Lasota (Eye drop) and on 56th day with RDVK vaccine. Along with that to reduce the incidence of Ranikhet Disease use ethno veterinary medicine as follows</p> <p>Required Ingredients for 10 desi birds</p> <p>Cumin seeds (Seeragam) – 10 grams</p> <p>Black pepper (Milagu) - 5 grams</p> <p>Turmeric powder - 5 grams</p> <p>Small onion - 5 numbers</p> <p>Garlic - 5 cloves</p> <p>Phyllanthus amarus (Keelanelli) – 50 grams</p> <p>Procedure:</p> <p>Grind all the ingredients and make slimy paste into small balls.</p> <p>The balls may be giving in divided doses through oral route or mix with feed ingredients and can be given to the affected birds.</p>
Livestock	General	In dairy animals, to improve fat and SNF in milk during summer season 100 grams of sodium bicarbonate /animal should be added daily in feed. Also 70 litres of good quality drinking water should be given to all dairy animals daily.
Agro advisory from Krishi Vigyan Kendra		

Coconut	Vegetative stage	Coconut rugose spiraling whitefly incidence was noticed all over Namakkal district. It can be managed by spraying Neem oil – 5 ml with 1.5 ml sticking agent using power gun sprayer and placing yellow sticky trap of 3 ft X 1.5ft @ 10 numbers / acre. Sooty mould can be controlled by spraying starch solution and allowing chrysoperla insect feeder @ 400 numbers and Encarsia parasitoid @ 100 / acre. Avoid using chemical pesticides.
Tapioca	Vegetative stage	In the forth coming days the temperature will be expected to raise, so the tapioca farmers are advised to spray pink pigmented methylotrophs @ 200 ml/ acre to withstand drought as well as high temperature.
Vegetable crops	Vegetative stage	Due to high temperature during current weather condition, sucking pest incidence is more in vegetable crops and yield will be reduced. Hence, farmers are advised to install yellow sticky trap (5 no / acre) and foliar spray of neem oil and pungam oil (75 ml+75 ml+ 20 ml wetting agent / 15 litre of water) to control the sucking pest in vegetable crops.

Karaikal

Agro Advisory

Crop/livestock	Stage/Particulars	Agro Advisory
Sesame	Sowing	Rice fallow sesame VRI (SV) 1 @ 5 kg/ha may be sown in between February 15 to March 15. Treat the seed with Trichoderma @ 4g/kg or Carbendazim @ 2 g/kg of seeds before sowing.
Cotton	Sowing	For rice fallow cotton, delinted seeds of MCU 7 or SVPR 3 @ 7.5 kg/ha shall be used for sowing.
Rice fallow pulses	Flowering	Two percent of DAP spray (Dissolve 4.5 kg of DAP in 10 litres of water previous day night and at morning the supernatant liquid shall be mixed with 190 litres of water) may be done at the time of flowering and another dose at fifteen days after first spray for rice fallow pulses.
Goat	Sheep and goat pox	There is a chance of an occurrence of sheep and goat pox in summer season. Hence, to prevent the pox, sheep and goat should be vaccinated before summer.

SMS: Rice fallow sesame can be sown till second week of March.

Puducherry

Weather based Agro-Advisories.

Crop	Stage/Particulars	Agro Advisory

COCONUT	Vegetative stage	Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. Encourage buildup of parasitoids (Encarsia sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. 3. In severe case, spray neem oil 10 ml/lit of water or spray azadirachtin 2.0 ml/lit of water with 1.0 ml of sticking agent
Coconut	Vegetative stage	Due to current weather condition, button shedding occurred in coconut trees. This resulted in chances of yield loss. Hence, farmers are advised to apply farm waster (or) crop residue around the coconut tree and irrigate around the tree. Also, give root feeding of coconut tonic (200 ml / tree) 3 months interval to avoid button shedding in coconut.
Tapioca	Vegetative stage	To control Red mite in cassava, apply Pongamia oil 500 ml/ha or spray Propargite 750 ml and Sulphur 1250 g/ ha
Vegetables	Vegetative stage	Since temperature starts increasing, sucking pest like aphids, Thrips, Leaf Minor and Jassids may increase in Vegetable crops. If needed spray 5% Neem Seed Kernel Extract.
GOAT		Farmers are advised to apply Butox solution (2 ml in 1 litre water) externally to remove ectoparasites in sheep and goats
General Advice		To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely.

SMS:

As dry weather is expected for next five days, farmers are advised to provide need based irrigation to crops

Puducherry Block level

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

Dry weather is likely to occur on 15.03.2023. Light rain is likely to occur from 16.03.2023 to 19.03.2023.

As dry weather is expected for next five days, farmers are advised to provide need based irrigation to crops.

Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Vegetative stage - 1. Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. 2. Encourage buildup of parasitoids (Encarsia sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. 3. In severe case, spray neem oil 10 ml/lit of water or spray azadirachtin 2.0 ml/lit of water with 1.0 ml of sticking agent

COCONUT	Vegetative stage - Due to current weather condition, button shedding occurred in coconut trees. This resulted in chances of yield loss. Hence, farmers are advised to apply farm waster (or) crop residue around the coconut tree and irrigate around the tree. Also, give root feeding of coconut tonic (200 ml / tree) 3 months interval to avoid button shedding in coconut. •
TAPIOCA	Vegetative stage - To control Red mite in cassava, apply Pongamia oil 500 ml/ha or spray Propargite 750 ml and Sulphur 1250 g/ ha
BRINJAL	Vegetative stage - Since temperature starts increasing, sucking pest like aphids, Thrips, Leaf Minor and Jassids may increases in Vegetable crops. If needed spray 5% Neem Seed Kernal Extract.
Live Stock(Varieties)	Live Stock Specific Advisory
GOAT	Farmers are advised to apply Butox solution (2 ml in 1 litre water) externally to remove ectoparasites in sheep and goats
Others (Soil / Land Preparation)(Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely.

