



जिला स्तरतमिलनाडुके लिएकृषि मौसमसलाहकारबुलेटिन

DISTRICT LEVEL

Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 059 /2017

For the period 0830 IST, 25th JULY 2017 to
0830 IST, 28th JULY 2017

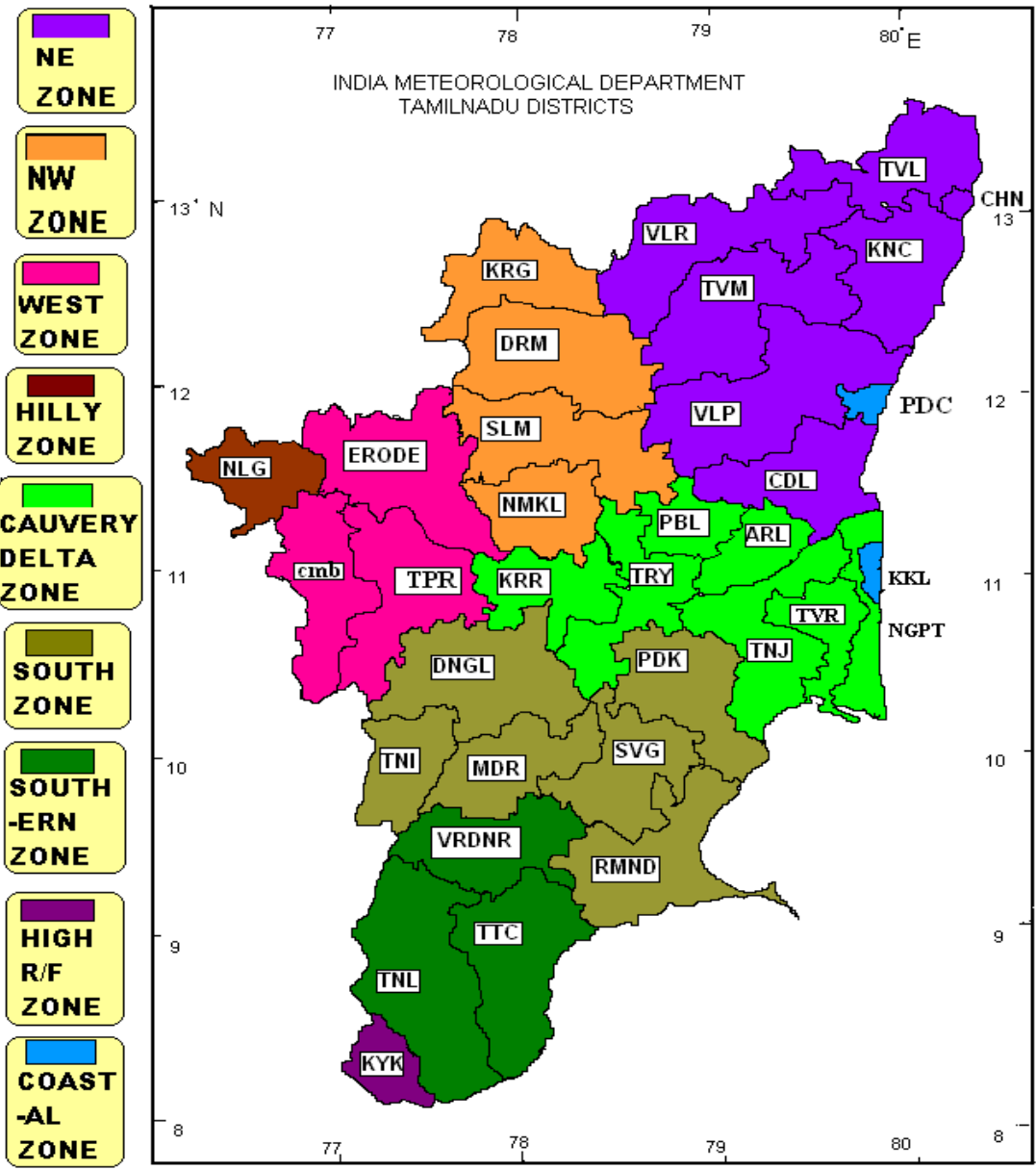
Issued on Tuesday, 25th JULY 2017

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, Tiuppur and Coimbatore,	Coimbatore,
4	Cauvery Delta zone	Thanjavur, Nagapattinam, Thiruvarur, Karur, Perambalur, Ariyalur and Tiruchirapalli.	Adudurai
5	Southern zone	Virudhunagar, Tirunelveli and Toothugudi	Kovilpatti
6	South Zone	Pudukottai, 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 21.07.17 to 24.07.17 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range 30°C – 42°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 15°C – 21°C during the period.

Minimum temperature of range 22°C - 31°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 10°C - 13°C during the same period.

Spatial distribution of Rainfall

Spatial distribution of Rainfall	Date	Area
Widespread (Most places)	--	--
Fairly widespread (Many places)	--	--
Scattered (Few Places)	22.07.17	Puducherry
Isolated (Isolated Places)	21.07.17,22.07.17,23.07.17 & 24.07.17	Tamil Nadu
Dry	21.07.17,23.07.17& 24.07.17	Puducherry

Chief Amounts of Rainfall (in cms):-

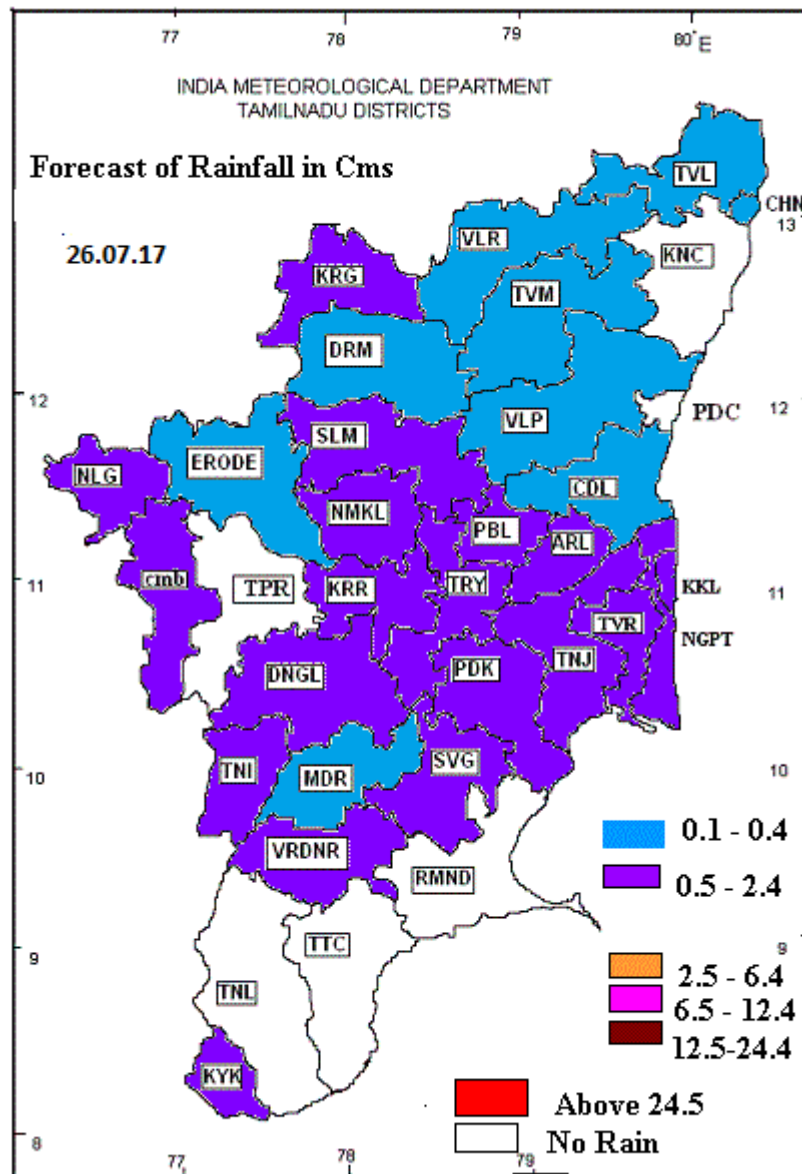
21.07.17: Devala (Nilgiris Dist), Valparai taluk office (Coimbatore Dist) 5 each, Valparai pto (Coimbatore Dist), Chinnakalar (Coimbatore Dist) 4 each, G Bazar (Nilgiris Dist), Pollachi (Coimbatore Dist), Pechiparai (Kanyakumari Dist), Periyar (Theni Dist) 2 each, Papanasam (Tirunelveli Dist), Naduvattam (Nilgiris Dist) 1 each.

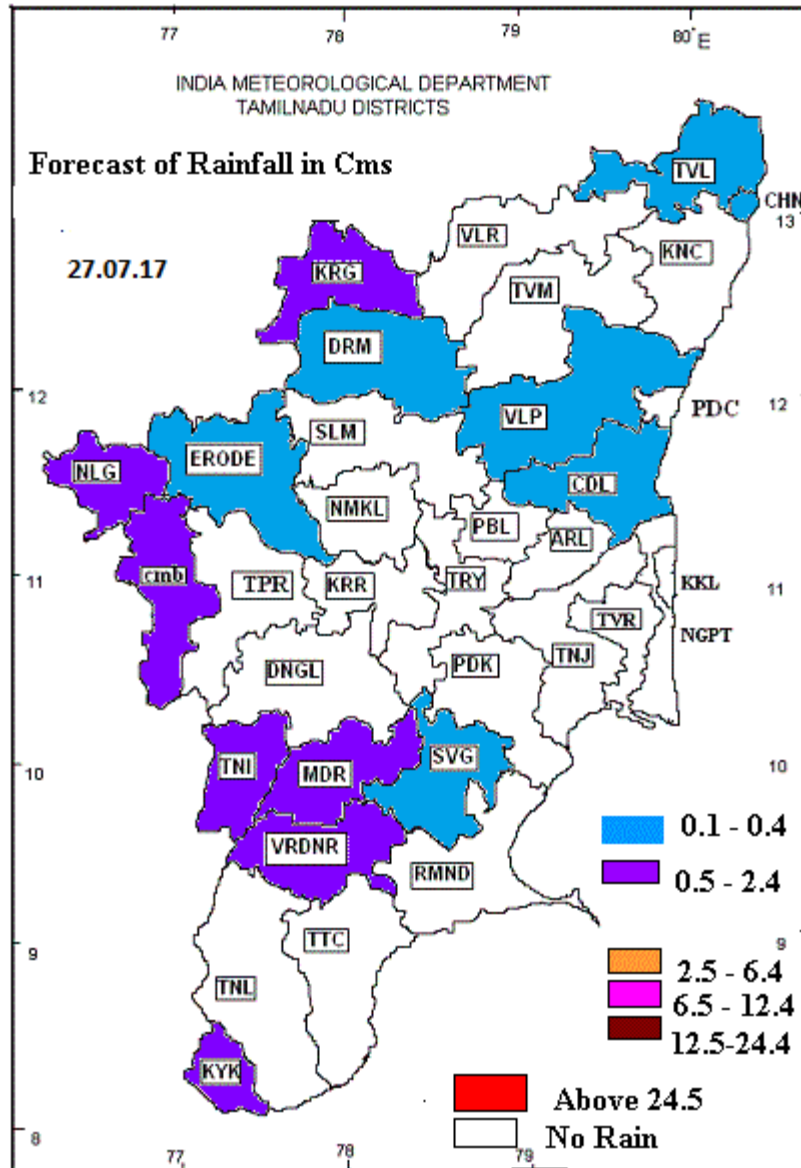
22.07.17 : Naduvattam (Nilgiris Dist) 4, Chinnakalar (Coimbatore Dist), Valparai pto (Coimbatore Dist), Valparai taluk office (Coimbatore Dist) 2 each, Devala (Nilgiris Dist), Pollachi (Coimbatore Dist), Pondicherry (Puducherry Dist) 1 each.

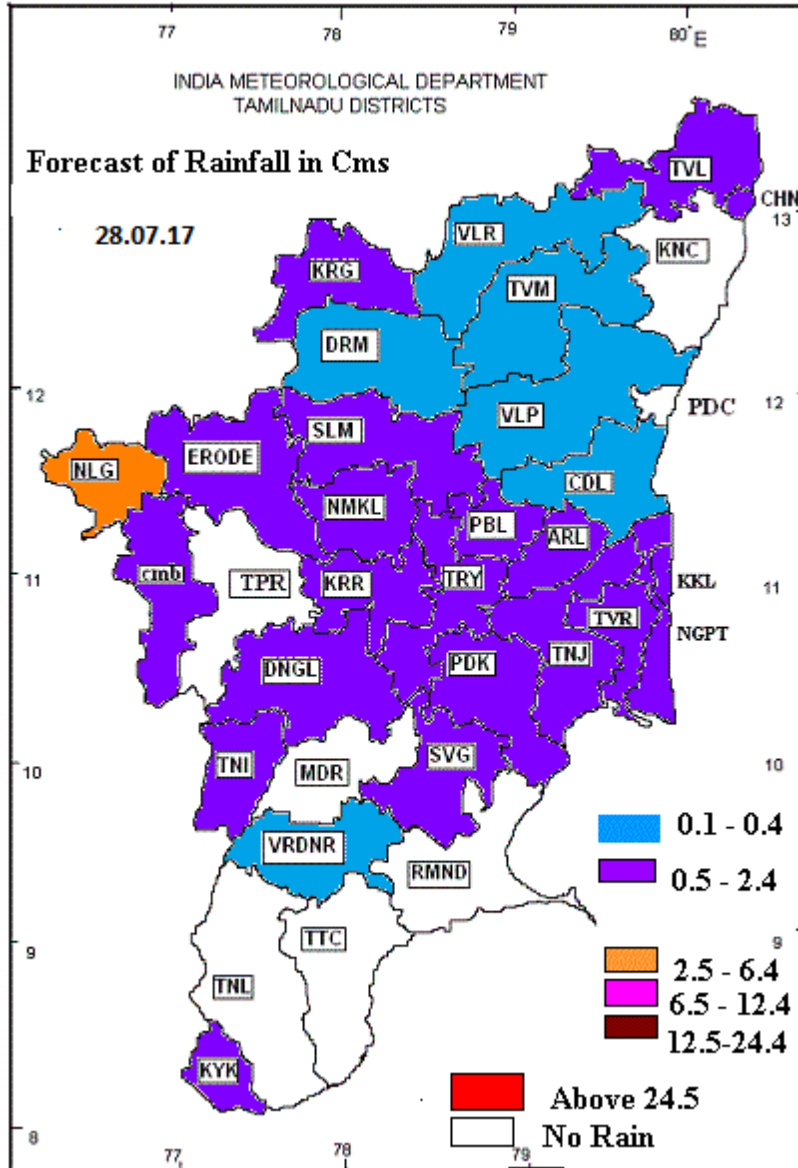
23.07.17 : Chinnakalar (Coimbatore Dist) 1.

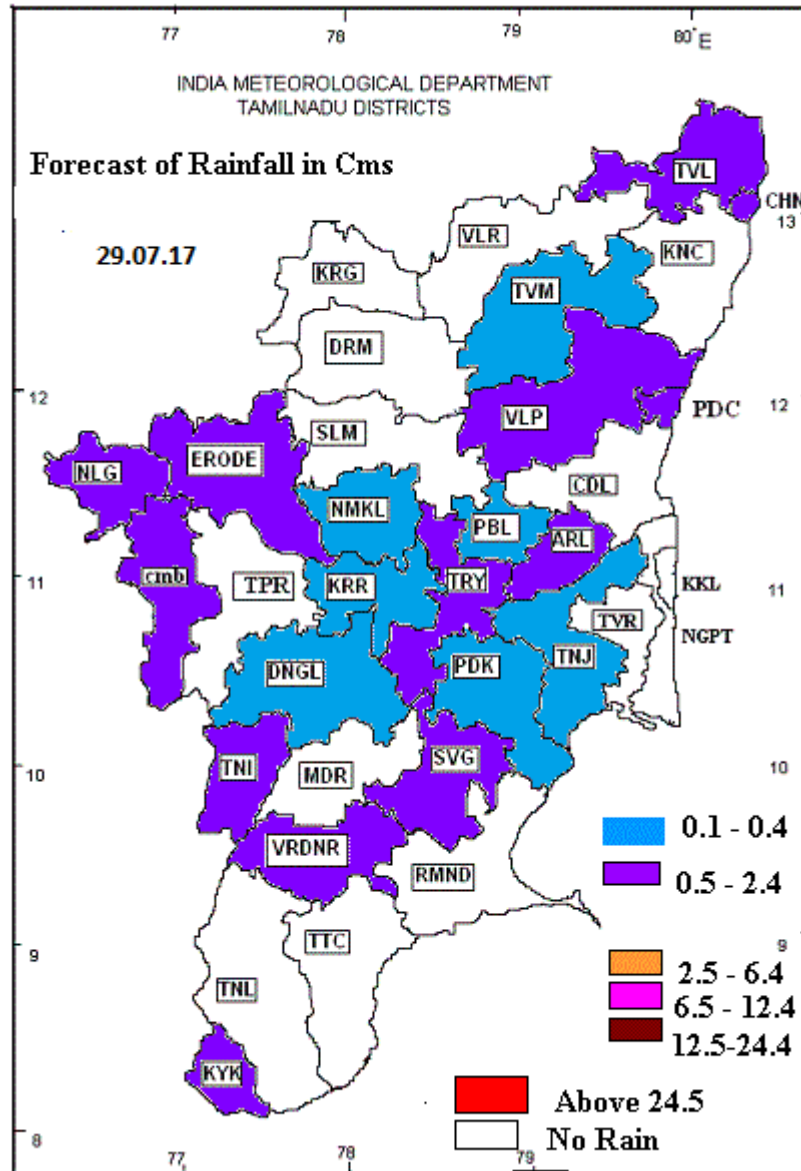
24.07.17 : Nil

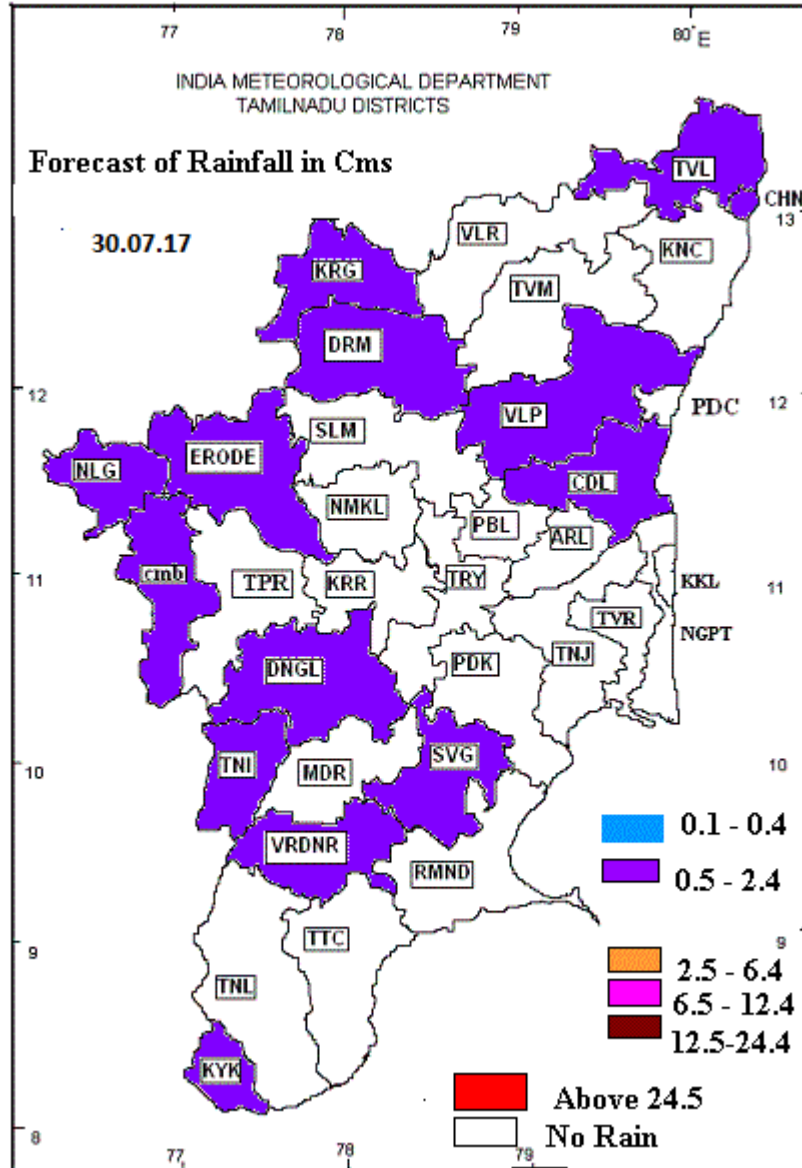
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 25.07.2017
VALID FOR THE NEXT 5 DAYS**











Districtwise Agromet Advisories

Chennai ,Kancheepuram ,Villupuram ,Thiruvannamalai ,Thiruvallur ,Vellore & Cuddalore

1. Light rainfall may be expected for next five days.
2. For every 100 birds add 10-20 ml of B-Complex or liver tonic to the drinking water to reduce heat stress.
3. Provide cool drinking water to animals during hot part of the day.
4. Coconut leaves or paddy straws may be spread over the roof of the animal shed and spray water to avoid heat stress to the animals
5. Feeders should be raised in poultry shed between 10 am to 5 pm to avoid heat stroke.
6. Sheep and goat shed remove 3-4 inches of mud floor and replace it with new mud to avoid infection.
7. Sheep and goat should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
8. Backyard poultry farmer advised to vaccinate against ranikhet disease.

Agriculture (Krishi Vigyan Kendra, Kattupakkam)

Imp. Crops: Rice, Sugarcane and Groundnut

1. To control thrips and other sucking pest in cotton spray *Imidacloprid* 200 SL @ 100 ml/ha (or) *Dimethoate* 30 EC @ 500 ml/ha or *Azadirachtin* 0.03% EC @ 500 ml/ha.
2. To control powdery mildew in rice fallow pulses, spray 5% Neem Seed Kernel Extract or Mancozeb @ 400 g/ac or Wettable Sulphur @ 1 kg/ac during morning or evening hours.

Puducherry

To control leaf folder in rice spray Chlorantraniliprole 18.5 % SC 150 ml/ha or Flubendiamide 20 % WG 125 ml/ha.

To control shoot and fruit borer in brinjal, apply Emamectin benzoate 5 SG @ 200 g/ha.

Karaikal

To control mealy bug in cotton spray Thiamethoxam 25 WG @ 100 g/ha or Dimethoate 30 EC 2 ml /litre.

To control pink bollworm in cotton spray Triazophos 40 EC @ 1.5 - 2 litre / ha

Nilgiris

Moderate rainfall is expected in the Nilgiris district for next five days. During rainy days, drainage facilities should be created in the field to drain excess water. Due to cloudy weather, there may be chances for the spread of fungal diseases in hilly vegetable crops. Crop rotation practice may be followed to avoid nematode infestation in carrot crop. Soil application of entomopathogenic fungus *Beauveria bassiana* @ 2 kg/acre along with farm yard manure during soil preparation may be done to control cut worms, root grubs and borers.

Thoothukudi & Tirunelveli

Crop/ Farming system	Stage / Activities	Advisories
Animal husbandry	Cow, sheep and goat	In order to mitigate the effect of high temperature on animals provide adequate cool drinking water and green fodder and spray water on gunny bags surrounding the cattle shed.

SMS:Cattle- to mitigate high temperature - provide adequate cool drinking water and green fodder and spray water on gunny bags surrounding the cattle shed.

Virudhunagar

Crop/ Farming system	Stage / Activities	Advisories
Animal husbandry	Cow, sheep and goat	In order to mitigate the effect of high temperature on animals provide adequate cool drinking water and green fodder and spray water on gunny bags surrounding the cattle shed.

SMS: Rain: 22, 23, 25& 26.7.17: 10, 5, 5& 5 mm. cattle- mitigate the effect of high temperature- spray water on gunny bags surrounding the cattle shed

Kanyakumari

1. There are possibilities of 35.0 mm rainfall during the forthcoming days.
2. Rubber: Fix a polythene rain guard to the trunk of the tree above tapping panel so that tapping can be done during rainy season also.
3. As heavy winds (20-24 kmph) are expected in the forthcoming days, staking has to be given to banana plants to protect against wind.
4. Avoid spraying of chemicals due to heavy wind speed.
5. Pepper: Pepper rooted cuttings can be planted if there is sufficient soil moisture.
6. Basins can be formed for newly planted fruit trees and trees spices for better harvesting of rain water.

SMS Advisory

As heavy winds (20-24 kmph) are expected in the forthcoming days, staking has to be given to banana plants to protect against wind.

Dindigul

In Tuberose, mealybug incidence is noticed. Spraying any one of the following insecticides is recommended - dimethoate 30 EC 500 ml/ha or methyl demeton 25 EC 500 ml/ha. Due to present condition the incense of Ash weevils in Brinjal . Notching of leaf margins, Grubs feed on roots causing wilting of plants. Collect and destroy adults. Apply Neem cake @ 500 kg/ha at the time of last ploughing. In endemic areas, apply carbofuran 3 G @15 kg/ha on 15 days after planting. Spray carbaryl 50 WP @3g + wettable sulphur 2g/litre Prevailing current weather condition the incense of Onion thrips in Small Onion. It damages the leaves and small white silvery patches are seen all over the leaves. In severe infestation, leaves dry from tip to downward. To manage this Clean cultivation, regular hoeing. Flooding of infested field will check the thrips population and to control spray insecticides dimethoate @ 0.06% or profenofos @ 0.05% Prevailing weather condition Cattles are affected with tiredness due to high temperature, so the farmers are advised to feed 30gms of mineral mixture per day to cow and also deworm the calf in consultation with the local veterinarian

Madurai

Prevailing current weather the Sporadic incidence of leaf folder and stemborer were noticed in Paddy. To manage these pests, set up light trap @ 1 / acre to attract and to kill the adult moth. If needed, spray neem seed kernel extract (NSKE) 5%. Monitor mealybug and thrips incidence in transplanted rice, spray neem seed kernel extract (NSKE) 5%. Prevailing weather condition the incense of Rhizome weevil in Banana. It grubs bore into the rhizome and cause death of the plant. Presence of dark coloured tunnels in the rhizomes. Death of unopened pipe, withering of outer leaves. To manage Select healthy sucker and plant Do not take regular crop in the same field to avoid initial infestation, Grow less susceptible varieties like Poovan, Kadali, Kunnan, Poomkalli , Apply castor cake 250g or carbaryl 50g dust or phorate 10g per pit before planting also prevents infestation. Soil incorporation at the time of planting: carbofuran 3 G 10g, phorate 10 G 5 g/plant. Before planting, the suckers should be dipped in 0.1 per cent quinalphos emulsion. Use cosmolure trap at 5/ha . Prevailing weather condition Cattles are affected with tiredness due to high temperature, so the farmers are advised to feed 30gms of mineral mixture per day to cow and also deworm the calf in consultation with the local veterinarian.

Pudukottai

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Ramanathapuram

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Sivagangai

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Theni

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Ariyalur, Thanjavur, Nagapattinam, Thiruchirapalli & Thiruvarur

Top dressing of fertilizer in kuruvai paddy field may be postponed due to moderate rainfall is— expected in next five days. Gall midge incidence was observed in Kuruvai paddy crop. Spray fibronil 0.3G @ 6 kg/acre to— control gall midge. Stem borer incidence was observed in Kuruvai paddy crop. Spray 400 ml/acre of Profenophos— 50 E.C. (or) 6 kg/acre of Cartap hydro chloride to control stem bores. As moderate rainfall is expected in the coming days, prepare the land for samba cultivation.— Since high wind speed is expected in coming days, give support for banana.— Livestocks Grooming and washing should be done at least two hours before milking, followed by wiping— of udder with clean duster soaked in mild/ diluted antiseptic solution. Feeding of fodders and concentrate should be in the ratio of 70:30 of total feed

Karur, Perambalur

As dry weather is expected in the coming days, providing irrigation to the groundnut crop at flowering stage is essential. Spray TNAU Groundnut rich @ 5.5 kg/ha for 2 sprays at 35 (50 per cent flowering) and 45 DAS (Pod developing stage). Apply gypsum @ 400 kg/ha by the side of the plants on the 40th to 45th day of sowing. Since high wind speed is expected in coming days, give support for banana. Livestocks Grooming and washing should be done at least two hours before milking, followed by wiping of udder with clean duster soaked in mild/ diluted antiseptic solution. Feeding of fodders and concentrate should be in the ratio of 70:30 of total feed.

Coimbatore

Blocks	Sugar cane	Rice	Turmeric	Millets	Cotton
Thondamuthur	V	P	V	S	BP
Karamadai	V	-	V	S	BP
Sulur	V	-	V	S	BP
Sultanpet	V	-	V	S	BP
Pollachi	V	P	V	S	BP
P.N Palayam	V	-	V	S	BP
Kinathukadavu	V	P	V	S	BP
Annur	V	-	V	S	BP
Madukarai	V	-	V	S	BP
Annaimalai	V	P	V	S	BP

V-Vegetative; P – Planting ; M–Maturity; BP–Boll picking; S–Sowing

Agro Advisory

With receipt of rainfall, land may be prepared for sowing gourds and vegetables during Aadiperukku (3.8.17).

Light rain is anticipated during this week along with wind speed more than 18 kmph, protect the banana crop of more than 5 months from lodging.

In valpari region Blister blight disease is noticed in tea crop. Mix hexagonazole 200ml+copper oxy chloride 210 g /ha in water and spray during rain free day.

Present weather is conducive for mastitis disease in milch animals, hence use potassium permanganate for cleaning the udder before and after milking.

Rain is anticipated. If Coconut not fertilized recently, may be given 650 g Urea + 1 kg Super phosphate + 1 kg Murate of potash + 50 kg farm yard manure + 2 kg neem cake per tree of more than five years.

Drench the 18 days old and above tomato seedlings in nursery with water soluble 19:19:19 fertilizer @ 0.5% (5g/lit) for getting vigours seedlings.

SMS advisory

Light rain is anticipated. Drench the 18 days old and above tomato seedlings in nursery with water soluble 19:19:19 fertilizer @ 0.5% (5g/lit) for getting vigours seedlings.

Erode

Taluks	Sugar cane	Rice	Turmeric	Millets	Cotton
Ammamet	V	-	V	S	BP
Bhavani	V	P	V	S	BP

Erode	V	-	V	S	BP
Perundurai	V	-	V	S	BP
Sathyamangalam	V	-	V	S	BP
Nambiyur	V	P	V	S	BP
Gobichettipalayam	V	P	V	S	BP

V-Vegetative; P-Planting; M-Maturity; BP-Boll picking; S-Sowing

Agro Advisory

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SMS advisory

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Tiruppur

Blocks	Sugar cane	Millets	Turmeric	Irrigated Maize	Cotton
Avinashi	V	S	V	F	BP
Kankayam	V	S	V	F	BP
Madathukulam	V	S	V	F	BP
Gudimangalam	V	S	V	F	BP
Palladam	V	S	V	F	BP
Dharapuram	V	S	V	F	BP
Udumalpet	V	S	V	F	BP

V-Vegetative; M-Maturity; BP-Boll picking; F -Flowering; LP-Land preparation

Agro Advisory

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Salem, Namakkal, Dharmapuri & Krishnagiri

Due to subdued activity of southwest monsoon, day and night temperatures are expected to rise. Hence, poultry will experience heat stress. However, elevated wind speed in the evening will help to stabilize feed intake which will not be lowered as that of egg production. Ensure quality of newly arrived maize and sunflower meal by screening for mycotoxins.

Special Agroadvisory from Krishi Vigyan Kendra, Namakkal:

Farmers are advised to foliar spray application of "*Groundnut Rich*" (2 kg + 200 liter of water) during flowering stage of groundnut crop after receipt of rain during coming days. It will induce more peg formation and pods yield per plant.

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