



जिला स्तरतमिलनाडुके लिएकृषि मौसमसलाहकारबुलेटिन

DISTRICT LEVEL

Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 60/2016

For the period 0830 IST, 26th July 2016 to
0830 IST, 29th July 2016

Issued on Tuesday, 26th July 2016

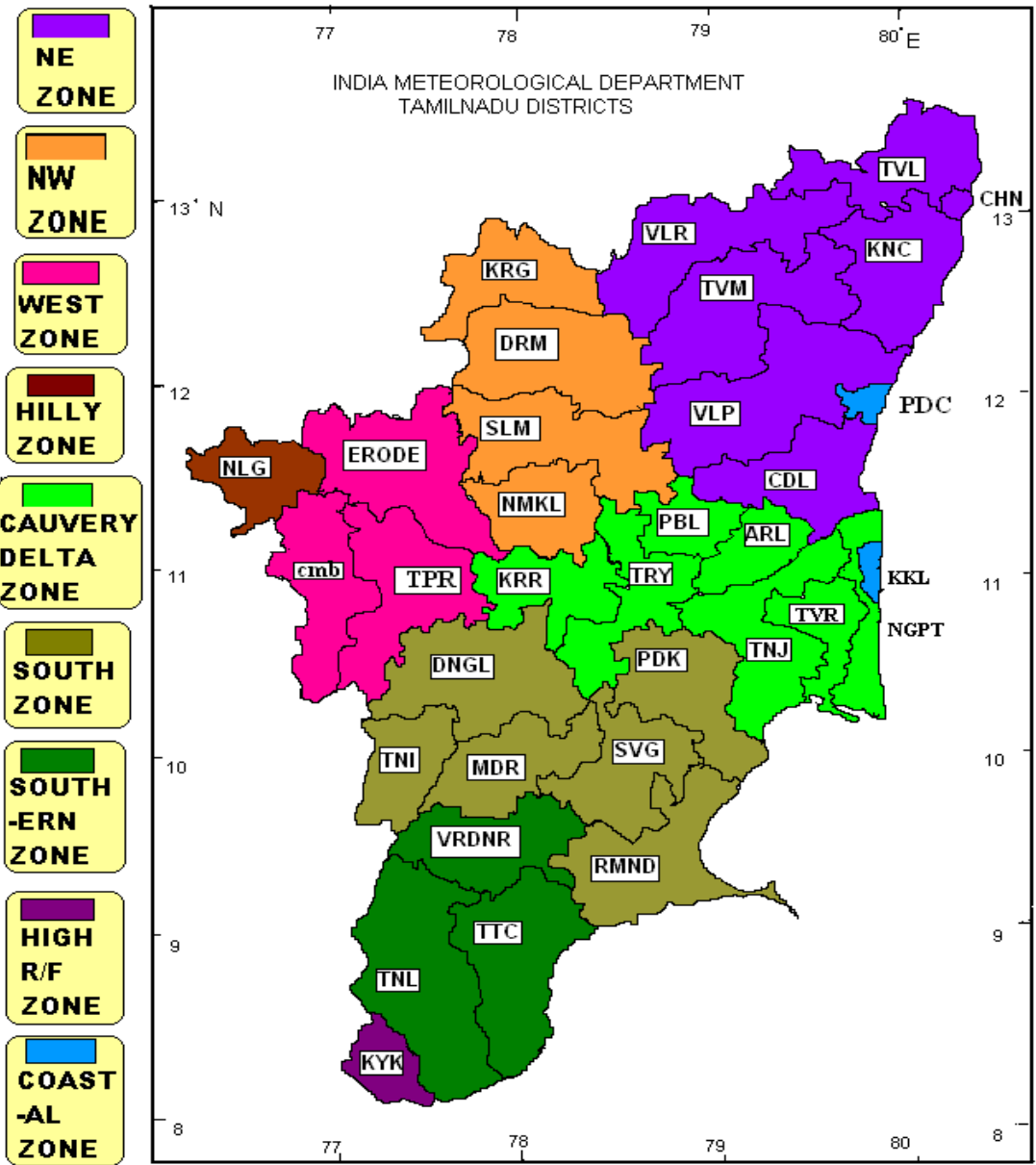
Issued by

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	Kanchipuram, Tiruvallur, Cuddalore Tiruvannamalai, Chennai, Villupuram , Vellore	Chennai

	zone		
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 22.07.16 to 25.07.16 for the
State of Tamilnadu & Puducherry**

Temperature:

Maximum Temperature of range 29°C – 38°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 16°C – 20°C during the period.

Minimum temperature of range 22°C - 28°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 10°C - 12°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)	25.07.16	Puducherry
Isolated (Isolated Places)	22.07.16,23.07.16,24.07.16 & 25.07.16	Tamilnadu
Dry	22.07.16,23.07.16 & 24.07.16	Puducherry

Chief Amounts of Rainfall (in cms):-

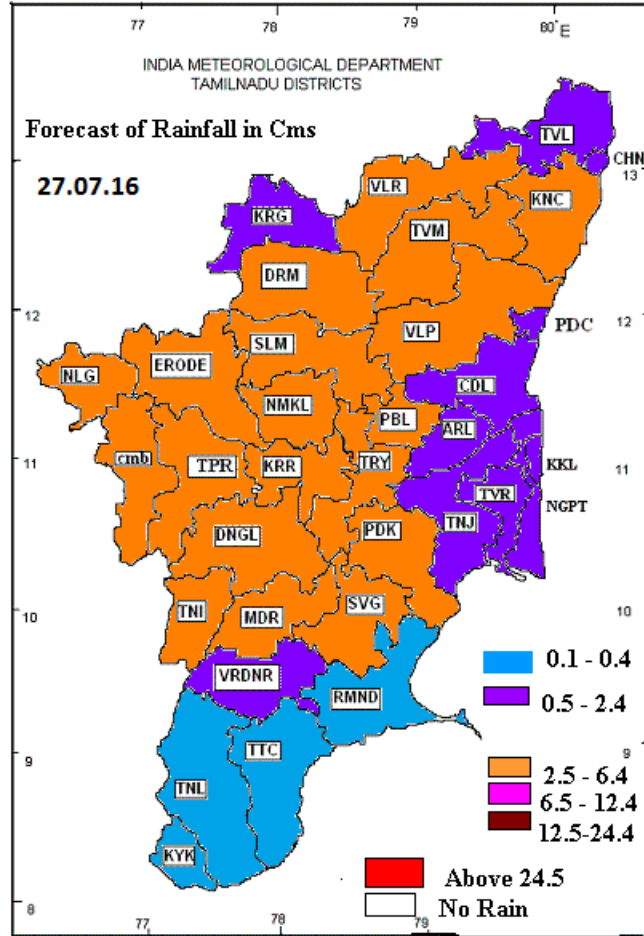
22.07.16 : Tirupathur (Sivaganga Dist) 2, Manamelkudi (Pudukkottai Dist), Chengalpattu (Kancheepuram Dist), Arani (Tiruvannamalai Dist), Pollachi (Coimbatore Dist), Chinnakalar (Coimbatore Dist) 1 each.

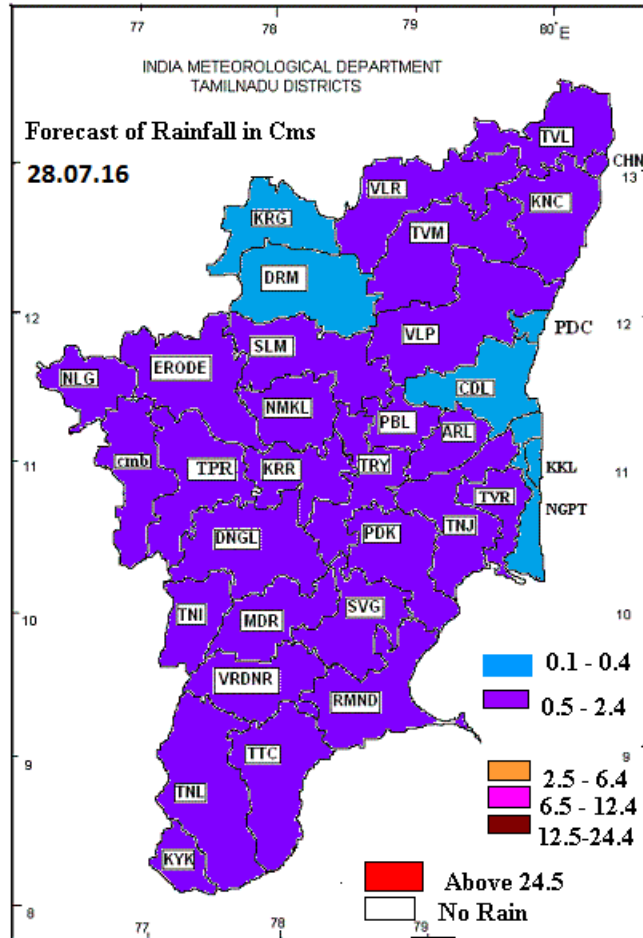
23.07.16 : Chinnakalar (Coimbatore Dist) 6, Devala (Nilgiris Dist), Valparai pto (Coimbatore Dist), Valparai taluk office (Coimbatore Dist) 3 each, Naduvattam (Nilgiris Dist), G Bazar (Nilgiris Dist), Pollachi (Coimbatore Dist) 1 each.

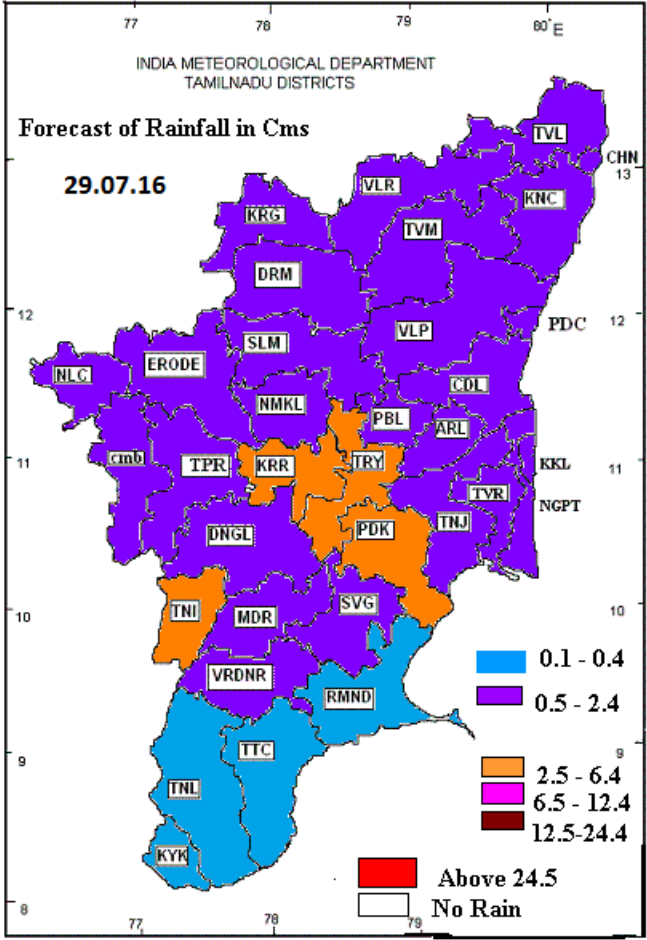
24.07.16 : Valparai pto (Coimbatore Dist), Naduvattam (Nilgiris Dist) 3 each, Chinnakalar (Coimbatore Dist) 2, Valparai taluk office (Coimbatore Dist), Pechiparai (Kanyakumari Dist), Periyar (Theni Dist), Kuzhithurai (Kanyakumari Dist) 1 each.

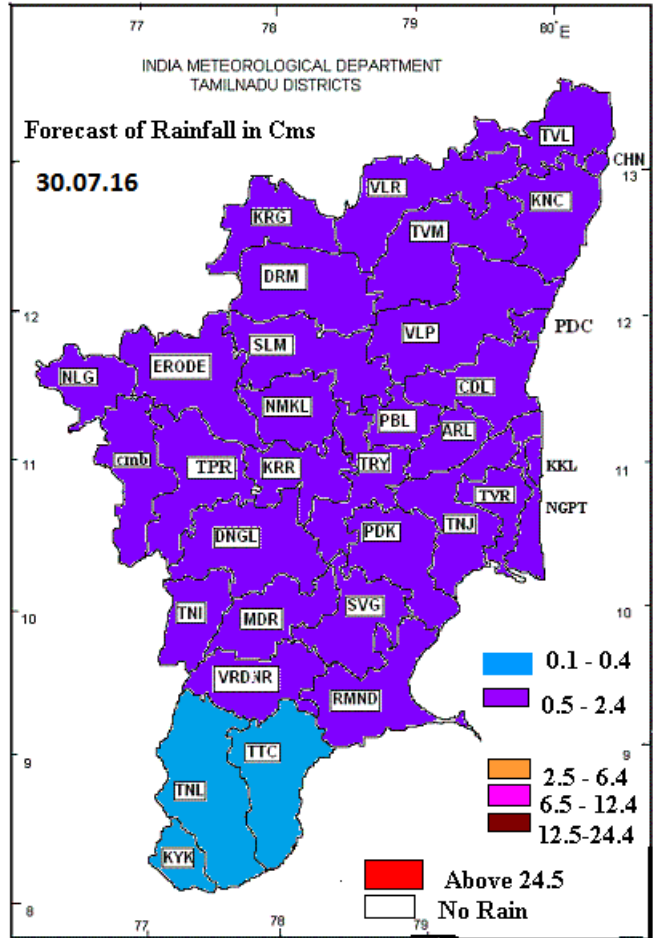
25.07.16 : Virinjipuram AWS (Vellore Dist) 10, Devala (Nilgiris Dist), Vellore (Vellore Dist) 9 each, Tirupujanam (Sivaganga Dist), Vanur (Villupuram Dist) 7 each, Ariyalur (Ariyalur Dist), Sankarapuram (Villupuram Dist) 6 each, Vandavasi (Tiruvannamalai Dist), Kumarapalayam (Namakkal Dist), Mylam AWS (Villupuram Dist) 5 each, Tirupattur (Vellore Dist), Pochampalli (Krishnagiri Dist), Lalgudi (Trichy Dist), Uthangarai (Krishnagiri Dist), G Bazar (Nilgiris Dist) 4 each, Chinnakalar (Coimbatore Dist), Namakkal (Namakkal Dist), Tiruvannamalai (Tiruvannamalai Dist), Tirupathur pto (Vellore Dist), SenDamangalam (Namakkal Dist), Sendurai (Ariyalur Dist), Sethiathope (Cuddalore Dist), Melalathur (Vellore Dist), Venbavur (Perambalur Dist) 3 each, Tirukattupalli (Thanjavur Dist), Chengam (Tiruvannamalai Dist), Valparai pto (Coimbatore Dist), Sathanur Dam (Tiruvannamalai Dist), Harur (Dharmapuri Dist), Perambalur (Perambalur Dist), Pullambadi (Trichy Dist), Yercaud (Salem Dist), Kodaikanal (Dindigul Dist), Alangayam (Vellore Dist) 2 each, Omalur (Salem Dist), Gudiyatham (Vellore Dist), Valparai taluk office (Coimbatore Dist), Srimushnam (Cuddalore Dist), Coonoor (Nilgiris Dist), Polur (Tiruvannamalai Dist), Grand anaicut (Thanjavur Dist), Vazhapadi (Salem Dist), Kangeyam (Tiruppur Dist), Bhavani (Erode Dist), Padalur (Perambalur Dist), Airport Madurai (Madurai Dist), Penucondapuram (Krishnagiri Dist), Pollachi (Coimbatore Dist), Tiruvaiyaru (Thanjavur Dist), Aranmanaipudur (Theni Dist), Samayapuram (Trichy Dist), Coonoor pto (Nilgiris Dist), Pappireddipatti (Dharmapuri Dist), Tiruchirappalli AP (Trichy Dist), Thirukoilur arg (Villupuram Dist), Tirukoilur (Villupuram Dist), Virudachalam (Cuddalore Dist), Naduvattam (Nilgiris Dist), Tindivanam (Villupuram Dist) 1 each.

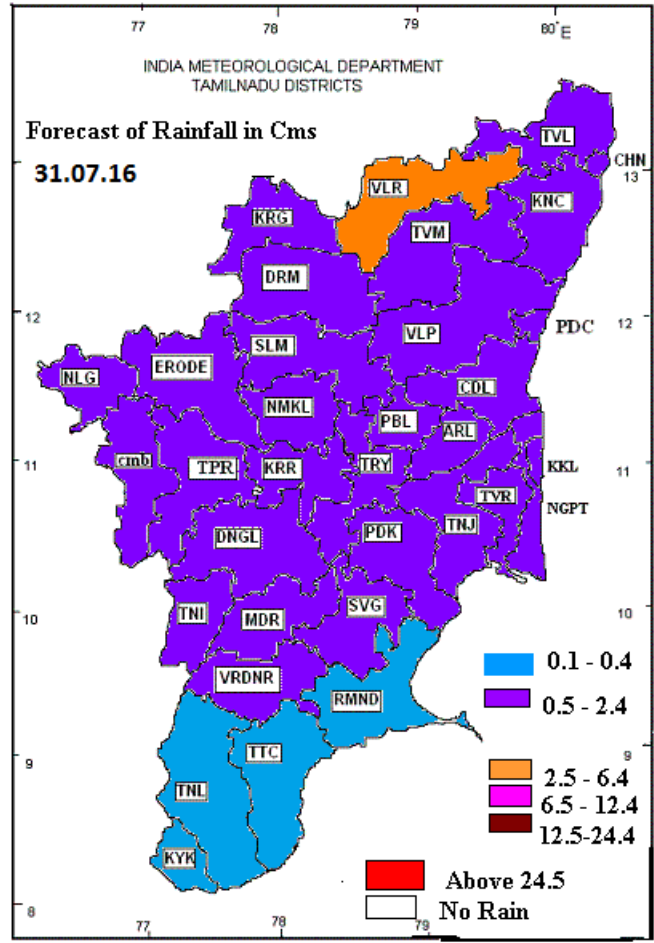
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 26.07.2016
VALID FOR THE NEXT 5 DAYS**











Districtwise Agromet Advisories

Chennai ,Kancheepuram ,Villupuram ,Thiruvallur & Cuddalore

Livestock:

Light to moderate rainfall may be expected for next five days.

To control fluke infestation, Animal should not be allowed to graze near ponds and lakes.

Farmers are advised to vaccinate their cattle, sheep and goats against anthrax disease in the endemic areas by consulting with local Veterinary Dispensary.

Farmers are advised to keep the floor of the animal habitation dry to avoid hoof infection and to prevent fly breeding.

Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals

Sheep and goats should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.

Farmers are advised to wash and clean the udder before milking and not to provide dusty roughage immediately after milking to avoid mastitis.

Agriculture (Krishi Vigyan Kendra, Kattupakkam)

Imp. Crops: Rice, Sugarcane and Groundnut

Wedding Operation can be carried out in groundnut crops.

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

To control mite in paddy spray Dicofol 18.5 EC @ 1250 ml/ha.

Thiruvannamalai & vellore

Livestock:

Light to heavy rainfall may be expected for next five days.

During rainy time kids, lambs and calves are to be protected from rain.

To control fluke infestation, Animal should not be allowed to graze near ponds and lakes.

Farmers are advised to vaccinate their cattle, sheep and goats against anthrax disease in the endemic areas by consulting with local Veterinary Dispensary.

Farmers are advised to keep the floor of the animal habitation dry to avoid hoof infection and to prevent fly breeding.

Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals

Sheep and goats should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.

Farmers are advised to wash and clean the udder before milking and not to provide dusty roughage immediately after milking to avoid mastitis.

Agriculture

Imp. Crops: Rice, Sugarcane and Groundnut

Due to expected rainfall farmers are advised to postpone the application of fertilizer and pesticide to their crops.

Wedding Operation can be carried out in groundnut crops.

Salem , Namakkal , Dharmapuri & Krishnagiri

Special Weather Advisory Bulletin for Poultry Farming:

For next three days, the sky will be generally cloudy with chance of scattered rainfall. Maximum and minimum temperature will be 35.0°C (95.0°F) and 24.0°C (75.2°F) respectively. Wind speed will be around 10km/hour, mostly from west direction. Relative humidity will be in the range of 62 - 86%. Southwest monsoon is active over Tamil Nadu, especially in North Western Agroclimatic zone of Tamil Nadu. Hence, rainfall is expected to occur in the next three days at most places of the 4 districts comprising our zone. Though ground water table is not expected to rise, it is good for poultry operations, as duration of high temperature will not last long. Feed intake will be near normal. However, during rainy season like this, farmers need to be cautious in procuring raw materials and frequently check for mycotoxins especially aflatoxin.

Special Agroadvisory from Krishi Vigyan Kendra, Namakkal:

While raising the tapioca fertilizers should be applied based as soil testing otherwise follow Tamil Nadu Agricultural University general fertilizers recommendation. Apply 10 ton FYM at the finish at planting. Also apply 225 kg single super phosphate at the time of planting. Apply 78 kg urea and 160 kg potash in two equal splits. One part at the time of planting and one part at 90 days after planting. 90 days after planting no need of apply any fertilizers. These practices not only increase the yield also improve the fertility status of soil.

Kanyakumari

As there is chance of 12 mm of rainfall, preventive measures should be taken to store rain water by forming circular basins, mulching and scooping in field and organic manures are to be applied.

Planting of pineapple, Banana, Cinnamon and Ginger can be taken up.

Staking the banana trees with bamboo poles due to heavy wind.

Mulching for tree crops can be taken up.

Grafting and cutting of horticultural crops may be taken

Basin preparation for fruits and tree spices may be taken for better rain water harvest.

Nilgiris

_ Moderate to heavy rainfall is expected in the district for next five days.

_ July month is the opt season for planting Tea seedlings. Farmers can benefit by availing Tea seedlings from Horticulture Department at subsidized rates.

_ For carrot crop, apply 78 kg urea, 200 kg super phosphate and 60 kg potash as basal application. Apply half dose of the above as top dressing at 45th day.

_ In cardamom plantation, apply 10 tonnes of Farm Yard Manure, 33 kg Urea, 84 kg Super phosphate and 50 kg potash per acre during July and October months.

_ To control Fusarium wilt in carnation flower drench the soil with fungicide combination - Tebuconazole 50% + Trifloxystrobin 25% w/w @ 1.5 g per litre of water.

_ To avoid nematode infestation in Carrot crop, crop rotation should be followed.

Coimbatore

Blocks	Sugar cane	Banana	Vegetables (Tomato, Bhendi, Brinjal)	Rice	Sesame	Sorghum	Turmeric	Irrigated bajra
Thondamuthur	V	6-9 months	V-P	Pi	F	V	LP	S
Karamadai	V	6-9 months	V-P	Pi	F	V	LP	S
Sulur	V	6-9 months	V-P	Pi	F	V	LP	S
Sultanpet	V	6-9 months	V-P	Pi	F	V	LP	S
Pollachi	V	6-9 months	V-P	Pi	F	V	LP	S
P.N Palayam	V	6-9 months	V-P	Pi	F	V	LP	S
Kinathukadavu	V	6-9 months	V-P	Pi	F	V	LP	S
Annur	V	6-9 months	V-P	Pi	F	V	LP	S
Madukarai	V	6-9 months	V-P	Pi	F	V	LP	S
Annaimalai	V	6-9 months	V-P	Pi	F	V	LP	S

V- Vegetative; V- P - Vegetative & Picking; Pi - Panicle initiation; F - Flowering; LP - Land preparation; S - Sowing

Agro Advisory

With the receipt of anticipated rainfall Guards seeds may be sown with adequate drainage. Heavy rainfall is anticipated; provide adequate drainage in turmeric to avoid rhizome rot. Due to anticipated rain, avoid stagnation of water in and around cattle shed to prevent mosquito multiplication. Due to high rainfall and cloud cover, avoid soil application of fertilizers in paddy. Considering the rain and winds peed propping may be done in banana, above 5 months old.

SMS advisory

Heavy rainfall is anticipated, provide adequate drainage in turmeric to avoid rhizome rot.

Erode

Taluks	Sugar cane	Banana	Vegetables (Tomato, Bhendi, Brinjal)	Rice	Sesame	Sorghum	Turmeric	Irrigated bajra
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Ammapet	V	6-9 months	V-P	Pi	F	V	LP	S
Bhavani	V	6-9 months	V-P	Pi	F	V	LP	S
Erode	V	6-9 months	V-P	Pi	F	V	LP	S
Perundurai	V	6-9 months	V-P	Pi	F	V	LP	S
Sathyamangalam	V	6-9 months	V-P	Pi	F	V	LP	S
Nambiyur	V	6-9 months	V-P	Pi	F	V	LP	S
Gobichettipalayam	V	6-9 months	V-P	Pi	F	V	LP	S

V- Vegetative; V- P - Vegetative & Picking; Pi - Panicle initiation; F - Flowering; LP - Land preparation; S - Sowing

Agro Advisory

With the receipt of anticipated rainfall guards seeds may be sown with adequate drainage. Heavy rainfall is anticipated, provide adequate drainage in turmeric to avoid rhizome rot. Due to anticipated rain, avoid stagnation of water in and around cattle shed to prevent mosquito multiplication. Due to high rainfall and cloud cover, avoid soil application of fertilizers in paddy. Considering the rain and winds peed propping may be done in banana, above 5 months old.

SMS advisory

Heavy rainfall is anticipated, provide adequate drainage in turmeric to avoid rhizome rot.

Tiruppur

Blocks	Tapioca	Sugar cane	Banana	Vegetables (Tomato, Bhendi, Brinjal)	Pulses	Rice	Maize
Avinashi	V-H	P	6-9 months	V-P	H	H-N-T	M
Kankayam	V-H	P	6-9 months	V-P	H	H-N-T	M
Madathukulam	V-H	P	6-9 months	V-P	H	H-N-T	M
Gudimangalam	V-H	P	6-9 months	V-P	H	H-N-T	M
Palladam	V-H	P	6-9 months	V-P	H	H-N-T	M
Dharapuram	V-H	P	6-9 months	V-P	H	H-N-T	M
Udumalpet	V-H	P	6-9 months	V-P	H	H-N-T	M

V-H- Vegetative & Harvest; P- Early season planting; V- P- Vegetative & Picking; H-N-T- Harvest, Nursery & Transplanting; M- Maturity

Agro Advisory

With the receipt of anticipated rainfall guards seeds may be sown with adequate drainage. Heavy rainfall is anticipated, provide adequate drainage in turmeric to avoid rhizome rot. Due to anticipated rain, avoid stagnation of water in and around cattle shed to prevent mosquito multiplication.

Due to high rainfall and cloud cover, avoid soil application of fertilizers in paddy.

Considering the rain and winds peed propping may be done in banana, above 5 months old.

SMS advisory

Heavy rainfall is anticipated, provide adequate drainage in turmeric to avoid rhizome rot.

Karaikal

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

To control mite in paddy spray Dicofol 18.5 EC @ 1250 ml/ha.

To control mealy bug in cotton spray Buprofezin 25 EC @ 800 ml/ha or Dimethoate 30 EC 2 ml /litre.

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.

A prophylactic spray of *Pseudomonas fluorescense* @ 0.2 % may be done to manage foliar diseases in blackgram.

Thirunelveli

Crop/ Farming system	Stage / Activities	Advisories
Dryland and gardenland crops	Water management	As high cloud cover, light to moderate rainfall is expected in the coming days avoid irrigation to crop.
Brinjal, Tomato	Fruiting stage	As high cloud cover, light to moderate rainfall and moderate humidity is expected in the coming days, mite incidence may occur in brinjal and tomato To control mite Dicofol 2.5 ml/ l or wettable sulphur 2 g/ l or Ethion 50% EC 1 ml/ l or dimethoate 30% EC 2 ml/ l
Jasmine	Flowering stage	As high cloud cover, light rainfall and moderate humidity is expected in the coming days, Blossom midge may occur: To control blossom midge Spray monocrotophos 36 SL @ 2 ml/lit
Citrus	Fruiting stage	As high cloud cover, light rainfall and moderate humidity is expected in the coming days, citrus canker may noticed,

		To control citrus canker Immediately after pruning one spray of Copper oxychloride (COC) 0.3% followed by sprayings with Streptocyclin 100 ppm + COC 0.3 % at monthly intervals.
Rice	Rice nursery	As high cloud cover, light rainfall and moderate humidity is expected in the coming days, thrips incidence may observed, To control thrips: Spray any one of the insecticide phosphamidan 40 SL 2 ml/ l or Monocrotophos 36 SL 2 ml/ l

SMS: Rain: 27& 31.7.16: 1, 6, 3, 4& 2 mm respectively. Brinjal - To control mite - Spray Ethion 50% EC 1 ml/ l or dimethoate 30% EC 2 ml/ l.

Thoothukudi

Crop/ Farming system	Stage / Activities	Advisories
Dryland and gardenland crops	Water management	As high cloud cover, light to moderate rainfall is expected in the coming days avoid irrigation to crop.
Brinjal, Tomato	Fruiting stage	As high cloud cover, light to moderate rainfall and moderate humidity is expected in the coming days, mite incidence may occur in brinjal and tomato To control mite Dicofol 2.5 ml/ l or wettable sulphur 2 g/ l or Ethion 50% EC 1 ml/ l or dimethoate 30% EC 2 ml/ l
Jasmine	Flowering stage	As high cloud cover, light rainfall and moderate humidity is expected in the coming days, Blossom midge may occur: To control blossom midge Spray monocrotophos 36 SL @ 2 ml/lit
Citrus	Fruiting stage	As high cloud cover, light rainfall and moderate humidity is expected in the coming days, citrus canker may noticed, To control citrus canker Immediately after pruning one spray of Copper oxychloride (COC) 0.3% followed by sprayings with Streptocyclin 100 ppm + COC 0.3 % at monthly intervals.
Rice	Rice nursery	As high cloud cover, light rainfall and moderate humidity is expected in the coming days, thrips incidence may observed, To control thrips: Spray any one of the insecticide phosphamidan 40 SL 2 ml/ l or Monocrotophos 36 SL 2 ml/ l

SMS: Rain: 27& 31.7.16: 2, 6, 3, 1& 1 mm respectively. Brinjal - To control mite - Spray Ethion 50% EC 1 ml/ l or dimethoate 30% EC 2 ml/ l.

Virudhunagar

Crop/ Farming system	Stage / Activities	Advisories
Dryland and	Water	As high cloud cover, light to moderate rainfall is

gardenland crops	management	expected in the coming days avoid irrigation to crop.
Brinjal, Tomato	Fruiting stage	As high cloud cover, light to moderate rainfall and moderate humidity is expected in the coming days, mite incidence may occur in brinjal and tomato To control mite Dicofol 2.5 ml/ l or wettable sulphur 2 g/ l or Ethion 50% EC 1 ml/ l or dimethoate 30% EC 2 ml/ l
Jasmine	Flowering stage	As high cloud cover, high & moderate wind speed, light rainfall and moderate humidity is expected in the coming days, Blossom midge may occur: To control blossom midge Spray monocrotophos 36 SL @ 2 ml/lit
Citrus	Fruiting stage	As high cloud cover, high & moderate wind speed, light rainfall and moderate humidity is expected in the coming days, citrus canker may noticed, To control citrus canker Immediately after pruning one spray of Copper oxychloride (COC) 0.3% followed by sprayings with Streptocyclin 100 ppm + COC 0.3 % at monthly intervals.

SMS: Rain: 27& 31.7.16: 8, 5, 22, 10& 5 mm respectively. As moderate rainfall is expected in the coming days avoid irrigation and pesticide if any.

Ariyalur , Nagapattinam , Perambalur , Thanjavur ,Thiruvarur & Thiruchirapalli

Crop: Rice, Black gram, Sugarcane, Cotton

Stage: Rice fallow cotton – Maturity stage; Rice: Tillering Stage

Ø A Moderate rainfall is expected on next five days, harvesting of summer blackgram may be taken up with precaution.

Ø Top dressing of fertilizer in kuruvai paddy field may be postponed due to moderate rainfall is expected in next five days.

Ø Cono weeding can be done on 20 – 25 days after transplanting in SRI paddy.

Karur

A Moderate rainfall is expected on next five days, harvesting of summer blackgram may be taken up with precaution.

Dindigul

Imp. Crops: Groundnut, Onion, Vegetables, Banana and Sugarcane

- Weeding operation should be carried out in groundnut crops.!
- To control Rust in sugarcane spray with Mancozeb 2.0gram/ac.!
- Considering the anticipated rainfall, gypsum application @ 160kg/acre may be done in 40 days old rain fed groundnut, followed by earthing up.!
- Do not allow the animals to graze on newly grown grasses, due to the receipt of last week rain.!

Madurai

Imp. Crops: Rice and Sugarcane

- Stem borer incidence is noticed in paddy crop. Hence farmers are advised to spray any one of the following Quinalphos 25 EC1000 ml/ha (or) Phosphamidon 40 SL 600 ml/ha (or) Profenophos 50 EC 1000 ml/ha.!
- Drain the excess water from the paddy fields leaving thin film of water.!
- To control grassy shoot in sugarcane spray with dimethoate @ 1ml/lit.!
- Do not allow the animals to graze on newly grown grasses, due to the receipt of last week rain.!

ரனரமழவவயை

Imp. Crops: Rice, Maize, Groundnut and Sugarcane

- Stem borer incidence is noticed in paddy crop. Hence farmers are advised to spray any one of the following Quinalphos 25 EC1000 ml/ha (or) Phosphamidon 40 SL 600 ml/ha (or) Profenophos 50 EC 1000 ml/ha.!
- Drain the excess water from the paddy fields leaving thin film of water.!
- To control grassy shoot in sugarcane spray with dimethoate @ 1ml/lit.!
- Do not allow the animals to graze on newly grown grasses, due to the receipt of last week rain.!

Ramanathapuram & Sivagangai

Imp. Crops: Groundnut and Sugarcane

- Weeding operation should be carried out in groundnut crops.!
- To control Rust in sugarcane spray with Mancozeb 2.0gram/ac.!
- Considering the anticipated rainfall, gypsum application @ 160kg/acre may be done in 40 days old rain fed groundnut, followed by earthing up.!
- Do not allow the animals to graze on newly grown grasses, due to the receipt of last week rain.!

வாநடை

Imp. Crops: Rice, Groundnut, Vegetables, Banana and Sugarcane

- Stem borer incidence is noticed in paddy crop. Hence farmers are advised to spray any one of the following Quinalphos 25 EC1000 ml/ha (or) Phosphamidon 40 SL 600 ml/ha (or) Profenophos 50 EC 1000 ml/ha.!
- Drain the excess water from the paddy fields leaving thin film of water.!
- To control grassy shoot in sugarcane spray with dimethoate @ 1ml/lit.!
- Do not allow the animals to graze on newly grown grasses, due to the receipt of last week rain.!

