



जिला स्तरतमिलनाडुके लिएकृषि मौसमसलाहकारबुलेटिन

DISTRICT LEVEL

Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 045 /2017

For the period 0830 IST, 06th June 2017 to
0830 IST, 09th June 2017

Issued on Tuesday, 06th June 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 02.06.17 to 05.06.17 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range 29°C – 42°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 18°C – 23°C during the period.

Minimum temperature of range 23°C - 31°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 12°C - 14°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 (Isolated Places)	02.06.17,03.06.17,04.06.17 & 05.06.17	Tamil Nadu
Dry	02.06.17,03.06.17,04.06.17&05.06.17	Puducherry

Chief Amounts of Rainfall (in cms):-

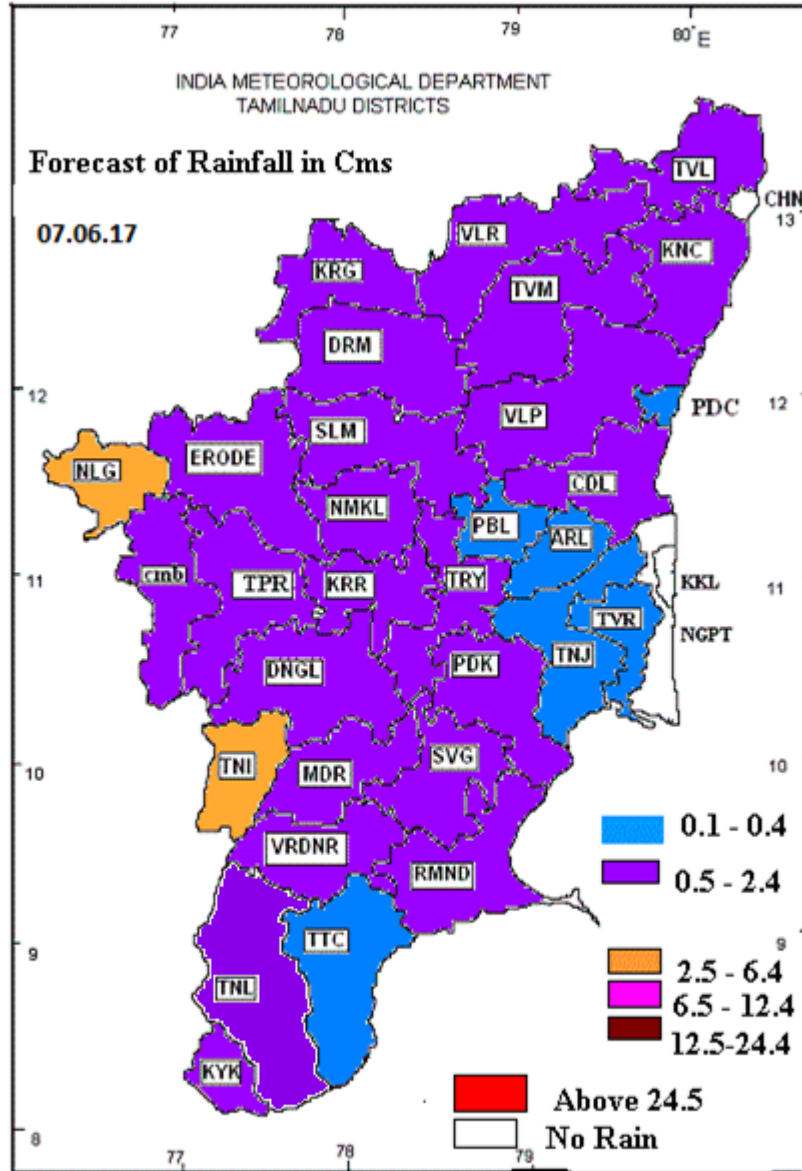
02.06.17: Kodaikanal (Dindigul Dist) 4, G Bazar (Nilgiris Dist) 3, Devala (Nilgiris Dist), Kuzhithurai (Kanyakumari Dist), Chatrapatti (odanchatra (Dindigul Dist), Pechiparai (Kanyakumari Dist), Periyar (Theni Dist) 2 each, Chinnakalar (Coimbatore Dist), K bridge (Nilgiris Dist), Grand anaicut (Thanjavur Dist), Thuckalay (Kanyakumari Dist), Harur (Dharmapuri Dist), Naduvattam (Nilgiris Dist), Colachel (Kanyakumari Dist), Rasipuram (Namakkal Dist), Valparai taluk office (Coimbatore Dist) 1 each.

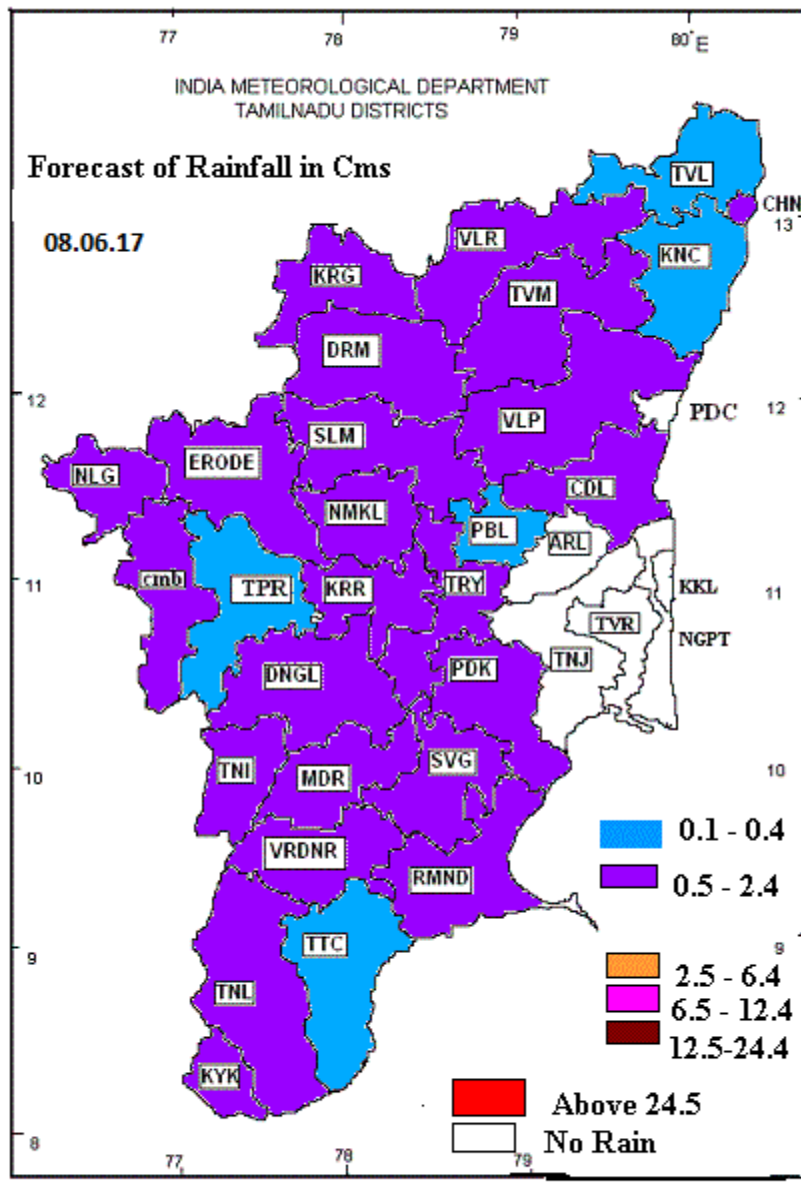
03.06.17 : Gudiyatham (Vellore Dist) 5, Kadavur (Karur Dist), Uthangarai (Krishnagiri Dist), Shencottah (Tirunelveli Dist) 4 each, Pechiparai (Kanyakumari Dist), Sankarapuram (Villupuram Dist) 3 each, Kallakurichi (Villupuram Dist), Krishnagiri (Krishnagiri Dist), Kuzhithurai (Kanyakumari Dist), Kanyakumari (Kanyakumari Dist), Kothagiri (Nilgiris Dist), Penucondapuram (Krishnagiri Dist), Marandahalli (Dharmapuri Dist), Samayapuram (Trichy Dist), TRP town (Trichy Dist), Manapparai (Trichy Dist) 2 each, Periyar (Theni Dist), Colachel (Kanyakumari Dist), Tirumayam (Pudukkottai Dist), Kodaikanal (Dindigul Dist, Ketti (Nilgiris Dist), Tiruvaiyaru (Thanjavur Dist), Barur (Krishnagiri Dist), Thuckalay (Kanyakumari Dist), Pochampalli (Krishnagiri Dist) 1 each.

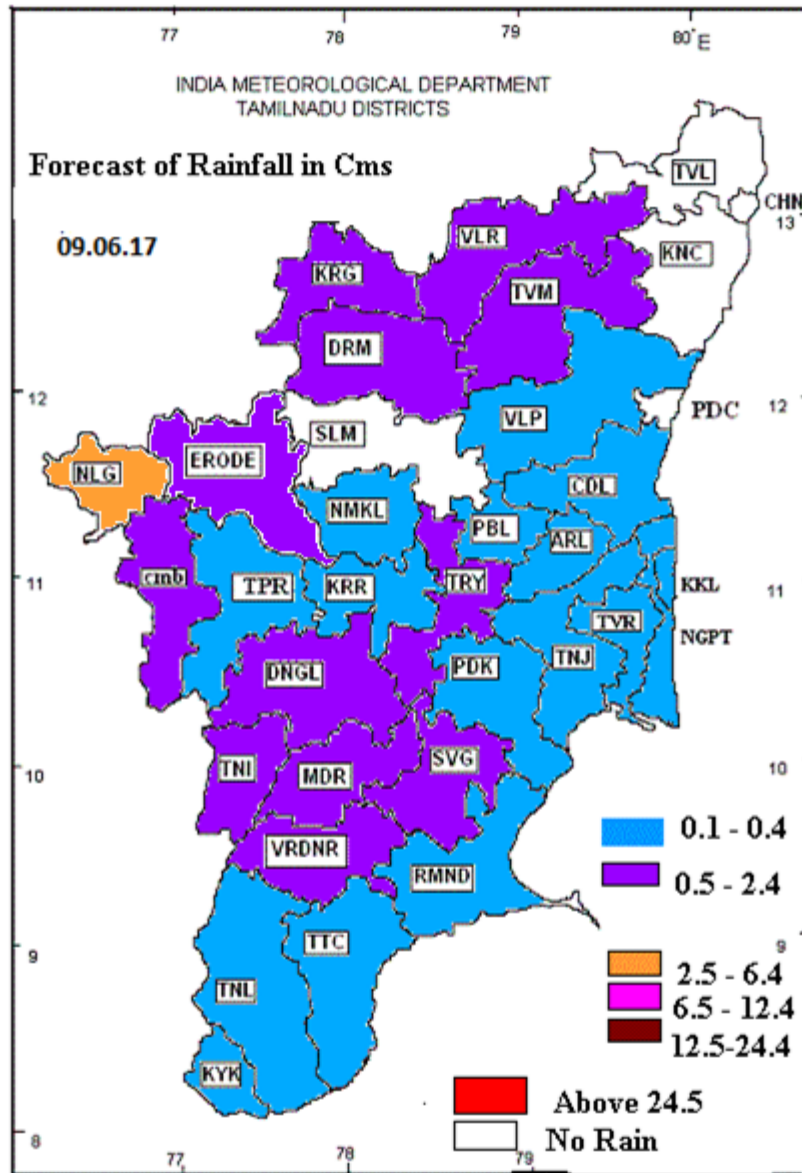
04.06.17 : Poondi (Tiruvallur Dist) 2, Tindivanam (Villupuram Dist) 1.

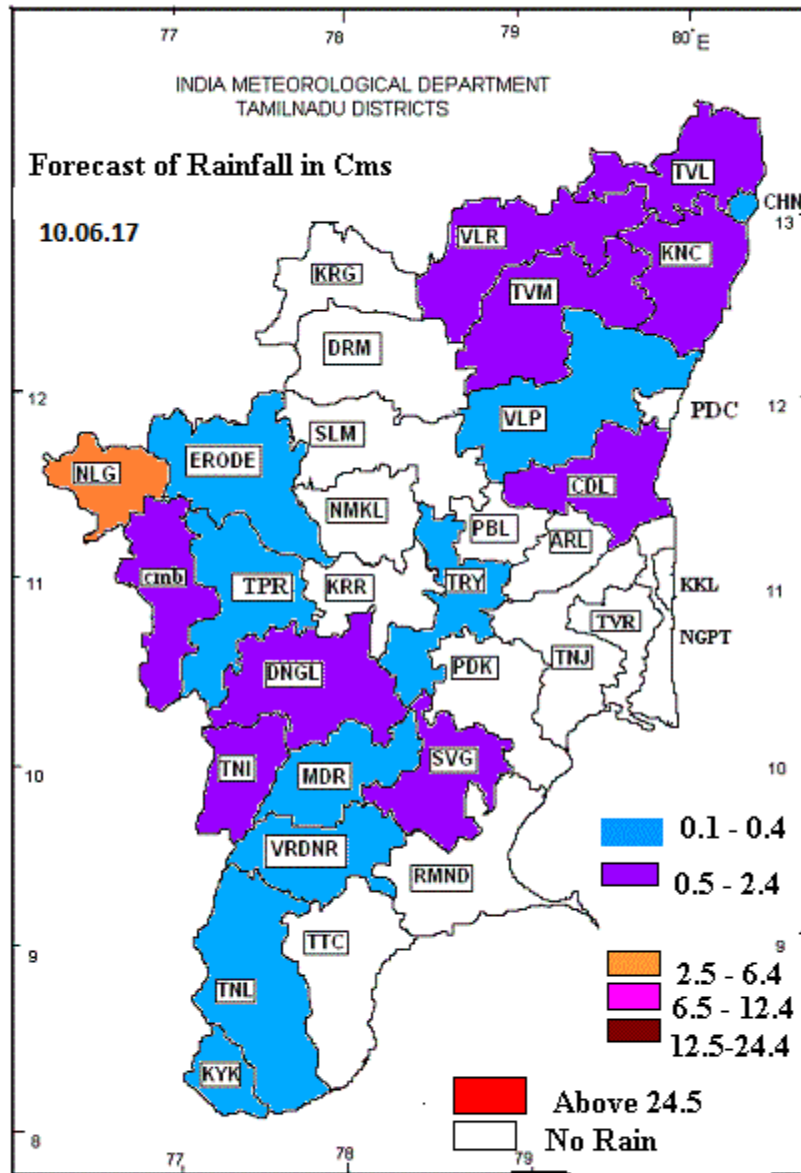
05.06.17 : Pallipattu (Tiruvallur Dist), Kuzhithurai (Kanyakumari Dist) 2 each, Pechiparai (Kanyakumari Dist), Tiruttani (Tiruvallur Dist), Thuckalay (Kanyakumari Dist) 1 each.

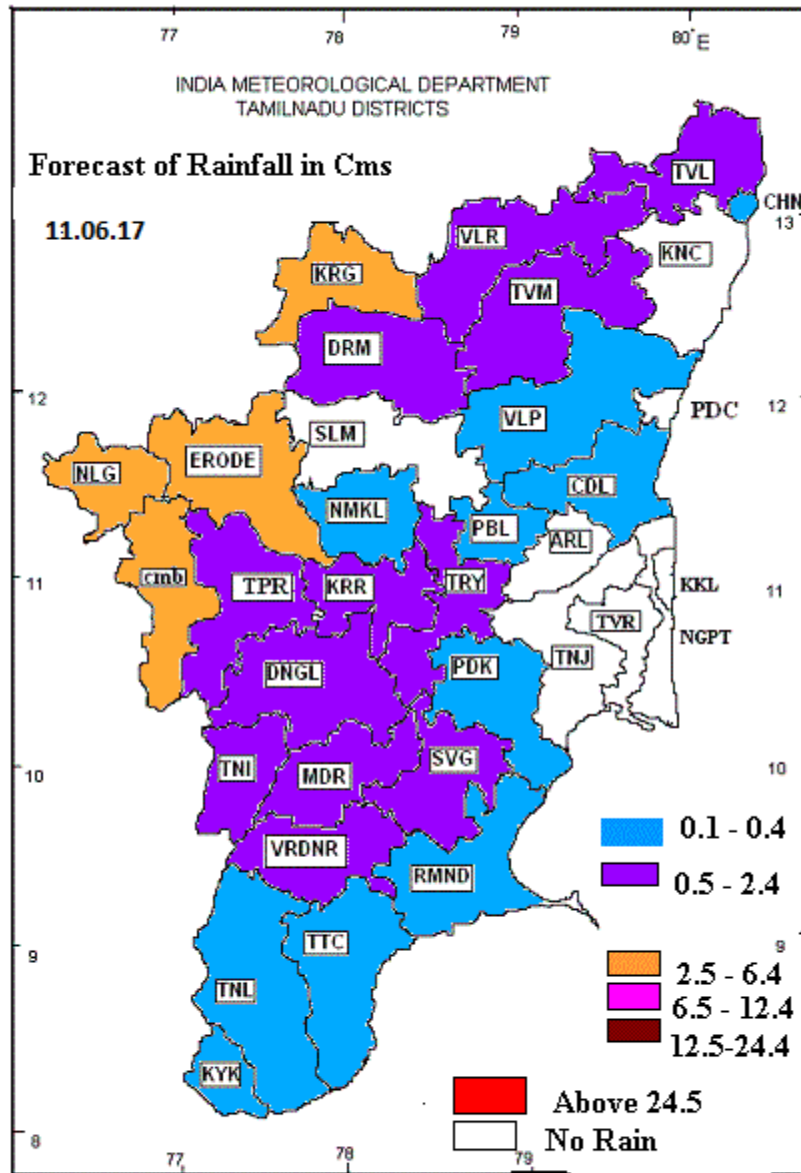
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 06.06.2017
VALID FOR THE NEXT 5 DAYS**











Districtwise Agromet Advisories

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

During summer 3 grams of Aspergillus oryzae yeast to be added to the feed to reduce heat stress to the animals.

Paddy straw and other dry roughages must be chopped into 1-2 inches length and smear with 2% salt solution to reduce wastage of feed.

Provide cool drinking water to animals during hot part of the day.

Feeders should be raised in poultry shed between 10 am to 5 pm to avoid heat stroke.

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.

During hot part of the day dairy cows should be showered with water to reduce heat stress and to sustain milk production.

Due to increase in day temperature animals should not be allowed for grazing during hot part of the day, provide cool drinking water and shade to the animals to reduce heat stress.

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.

Ariyalur, Karur, Nagapattinam, Perambalur, Thanjavur, Tiruvarur & Tiruchirapalli

Crop: Rice, Irrigated blackgram and Rice fallow cotton

Stage: Rice fallow cotton: Flowering stage

- Summer ploughing can be done by utilizing the rainfall expected during this week to control weeds and insects larva in the soil and it will improve the rainwater infiltration also.
- In rice fallow cotton and irrigated blackgram, occurrence of mealy bug and white flies are being noticed. To control this spray azadirachtin 0.03% (3 ml / litre of water) along with sticking agent in the morning or evening using hand sprayer, If damage is more, spray imidacloprid 200 SL @ 40ml / acre or with 200 litres of water.
- Rice varieties ADT 36, ADT 43, ADT 45 and ADT 47 are suitable for *Kuruvai* season.

Livestocks

- Supplementing dietary sodium and potassium increases milk yield during the period of heat stress.
- Proper de-worming and vaccination schedule must be followed for maintaining the health of animal.

Nilgiris

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

Due to cloudy weather, there may be chances for the spread of fungal diseases. Farmers

are advised to adopt remedial measures. Due to continuous rainfall, drainage facilities should be created to drain excess water. In cabbage crop, to avoid root knot nematode infestation, follow the seed treatment with 10 grams of Paecilomyces, 10 grams of Trichoderma and 10 grams of Pseudomonas per kg of seed. In carnation, to control leaf spot disease, foliar spray of fungicide propiconazole 1 ml/litre or hexaconazole @ 1 ml/litre of water may be done.

Thoothukudi, Virudhungan & Tirunelveli

Crop/ Farming system	Stage / Activities	Advisories
Irrigated crop	Input arrangement	For taking up sowing in time during the ensuing southwest monsoon season (Adi pattam), make ready the inputs like seeds, chemicals, biofertilizers, organic manures, chemical fertilizers etc., under irrigated conditions.
Cotton	Fruiting stage	In the expected weather during the coming days, boll worm incidence is noticed in cotton varieties. If the infestation crosses economic threshold level spray Phosalone 35% EC 2.5 l/ ha or apply Carbaryl 50% WP 2.5 kg/ ha.
Guava	Fruiting stage	As moderate cloud cover and light rainfall is expected in the coming days, fruit fly incidence is noticed in guava. For controlling this pest spray Quinalphos 25 EC or Malathion 50 EC @ 1 ml/lit four times at 15 days interval.

SMS: Rain: 7, 8, 9& 11.6.17: 3, 4, 2& 2 mm. Southwest monsoon season irrigated crops - make ready the inputs (Seeds, chemicals, biofertilizers, organic manures etc.)

Namakkal, Salem, Dharmapuri & Krishnagiri

Active southwest monsoon over the adjoining districts of Western Ghats and parts of interior district including Namakkal will bring fairly widespread rainfall. Maximum day time temperature will be 37.0°C (98.6°F), which is lesser than last month and will prevail for lesser duration only. Hence, poultry will not experience heat stress. Further, raising wind speed will also favor poultry performance.

Special Agroadvisory from Krishi Vigyan Kendra, Namakkal:

Groundnut farmers are advised to apply gypsum @ 160 kg/acre in two equal splits; 80 kg/acre at sowing and remaining 80 kg/acre in 45 days after sowing in calcium and sulfur deficient soils.

Kanyakumari

1. There are possibilities of 50 mm rainfall during the forthcoming days.

2. As heavy winds coupled with rainfall are expected, staking should be given to young rubber, banana and fruit trees.
3. Rubber : Fix a polythene rain guard to the trunk of the tree above tapping panel so that tapping is done during rainy season also.
4. Avoid spraying of chemicals due to heavy wind and rain.
5. Pineapple: Proper drainage should be provided to prevent water logging.

SMS Advisory

As heavy winds coupled with rainfall are expected, staking should be given to young rubber, banana and fruit trees.

Coimbatore

Blocks	Sugar cane	Rice	Turmeric	Millets	Cotton
Thondamuthur	V	M	LP	V	BP
Karamadai	V	M	LP	V	BP
Sulur	V	M	LP	V	BP
Sultanpet	V	M	LP	V	BP
Pollachi	V	M	LP	V	BP
P.N Palayam	V	M	LP	V	BP
Kinathukadavu	V	M	LP	V	BP
Annur	V	M	LP	V	BP
Madukarai	V	M	LP	V	BP
Annamalai	V	M	LP	V	BP

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

Agro Advisory

Continuous rainfall and heavy wind(>15km/hr) is anticipated, early season sugarcane and five months old banana crops may be propped against lodging.

Prepare the main field for paddy kuruvai season planting by utilizing the anticipated rainfall. Continuous rain is expected provide drainage for the paddy nursery.

Conserve the expected rainfall by providing basin in coconut farms. Apply fertilizer for the coconut trees more than 5 years @ 650 g urea, 1 kg super phosphate, 1 kg potash per tree. And also apply 250 g of micro nutrient per tree and don't mix micro nutrient with soil.

Due to continuous rainfall and relative humidity, ergot (sugary disease) and leaf rust may occur in cumbu. If ergot disease noticed, spray carbendazim @ 1 g/ lit.If leaf rust disease noticed apply mancozeb @ 2 g/ lit.

SMS advisory

Prepare the main field for paddy kuruvai season planting by utilizing the anticipated rainfall. Continuous rain is expected provide drainage for the paddy nursery.

Erode

Taluks	Sugar cane	Rice	Turmeric	Millets	Cotton
Ammapet	V	M	LP	V	BP
Bhavani	V	M	LP	V	BP
Erode	V	M	LP	V	BP
Perundurai	V	M	LP	V	BP
Sathyamangalam	V	M	LP	V	BP
Nambiyur	V	M	LP	V	BP
Gobichettipalayam	V	M	LP	V	BP

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

Agro Advisory

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SMS advisory

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Tiruppur

Blocks	Sugar cane	Rice	Turmeric	Irrigated Maize	Cotton
Avinashi	V	M	LP	V	BP
Kankayam	V	M	LP	V	BP
Madathukulam	V	M	LP	V	BP
Gudimangalam	V	M	LP	V	BP
Palladam	V	M	LP	V	BP
Dharapuram	V	M	LP	V	BP
Udumalpet	V	M	LP	V	BP

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

Agro Advisory

Continuous rainfall and heavy wind(>15km/hr) is anticipated, early season sugarcane and five months old banana crops may be propped against lodging.

Prepare the main field for paddy kuruvai season planting by utilizing the anticipated rainfall. Continuous rain is expected provide drainage for the paddy nursery.

Conserve the expected rainfall by providing basin in coconut farms. Apply fertilizer for the coconut trees more than 5 years @ 650 g urea, 1 kg super phosphate, 1 kg potash per tree. And also apply 250 g of micro nutrient per tree and don't mix micro nutrient with soil.

Due to continuous rainfall and relative humidity, ergot (sugary disease) and leaf rust may occur in cumbu. If ergot disease noticed, spray carbendazim @ 1 g/ lit. If leaf rust disease noticed apply mancozeb @ 2 g/ lit.

SMS advisory

Prepare the main field for paddy kuruvai season planting by utilizing the anticipated rainfall. Continuous rain is expected provide drainage for the paddy nursery.

Karaikal

Weather based Agro-Advisories

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

To prevent early shedding of buds and squares in cotton spray 40 ppm NAA (40 mg of Naphthalene Acetic Acid in one litre of water) at 60 and 90 DAS on the crops.

To control root rot disease in cotton, drench the soil with Carbendazim @ 1 g per litre or Carbendazim + Iprodione @ 1 g per litre or Trifloxystrobin + Tebuconazole @ 0.75 g per litre at the base of the diseased plant as well as around the healthy plant so as to wet 10-15cm depth of soil.

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.

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

Puducherry

Weather based Agro-Advisories

To reduce the growth of algae in paddy fields Copper Sulphate @ 500 g in muslin cloth may be placed in the outlet of bore water that is irrigated to the field.

To control rice stem borer spray *CartapHydrochloride* 50 % SP @ 1000g/ha or *Phosphamidon* 40% SL 1250 ml/ha.

To control brown plant hopper in rice, apply Neem oil 3% or Methyl demeton 25 EC 1500 ml/ha or *Acephate* 75 % SP 666-1000 g/ha or *Azadirachtin* 0.03% 1000 ml/ha or *Imidacloprid* 17.8 SL 100-125 ml/ha.

Dindigul

Weather Based Agro-Advisories : (Important Crops : Vegetables & Jasmine) Prevailing current weather farmers are advised to follow the fertilizer recommendation for Moringa. A fertilizer dose of 45:16:30 g of NPK/pit may be applied 3 months after sowing. Apply 45 g of N/pit after 6 months when the crop is in bearing. Prevailing weather condition the Brown leaf hopper infestation slightly in Brinjal. Due to this, Reduction in size of leaves, Shortened petioles, Excessive growth of branches general stunting of plants, Conversion of floral parts into leafy structures, Fruiting is rare. Before transplantation dip the seedlings in 0.2% carbofuran 50 STD solution (control insect vectors), Remove infected plants and destroy them

and Spray with methyl parathion 0.5% or dimethoate 0.3%. Prevailing current weather condition the incense of Bud worm in Jasmine . The bud worm Caterpillar makes hole on the flower bud and feeds on the inner content. Petals are eaten by the larvae. Collect and destroy the damaged buds with larvae. Use light trap to attract and kill the adult moths. Spray NSKE 5% or malathion 50EC 2ml/lit. The Jasmine fields should be prune properly and maintain the Jasmine bushes with hygienic conditions.

Madurai

Weather Based Agro-Advisories : (Important Crops : Banana & Jasmine) Prevailing current weather condition the incense of Bud worm in Jasmine . The bud worm Caterpillar makes hole on the flower bud and feeds on the inner content. Petals are eaten by the larvae. Collect and destroy the damaged buds with larvae. Use light trap to attract and kill the adult moths. Spray NSKE 5% or malathion 50EC 2ml/lit. The Jasmine fields should be prune properly and maintain the Jasmine bushes with hygienic conditions. Due to prevailing weather condition incense of Hard scale in Banana. Hard scale grubs bore into the rhizome and cause death of the banana plant. Presence of dark coloured tunnels in the rhizomes. Death of unopened pipe, withering of outer leaves. To control by biological method collect and destroy the affected plant parts , release of coccinellid predators like Chilocorus nigritus, Symnus coccivora in affected banana field .

Pudukottai

Weather Based Agro - Advisories : (Important Crops : Brinjal, Chilly, Jasmine) Due to prevailing weather the occurrence of Yellow Muranai mite in Chilly. To control spray Sulphur WP 6 gm or Ethion 50% EC 4 ml /lit of water. Prevailing weather condition the Brown leaf hopper infestation slightly in Brinjal. Due to this in Reduction in size of leaves, Shortened petioles, Excessive growth of branches general stunting of plants, Conversion of floral parts into leafy structures, Fruiting is rare. Before transplantation dip the seedlings in 0.2% carbofuran 50 STD solution (control insect vectors), Remove infected plants and destroy them and Spray with methyl parathion 0.5% or dimethoate 0.3%. Prevailing current weather condition the incense of Bud worm in Jasmine. The bud worm Caterpillar makes hole on the flower bud and feeds on the inner content. Petals are eaten by the larvae. Collect and destroy the damaged buds with larvae. Use light trap to attract and kill the adult moths. Spray NSKE 5% or malathion 50EC 2ml/lit. The Jasmine fields should be prune properly and maintain the Jasmine bushes with hygienic conditions.

Ramanathapuram

Weather Based Agro-Advisories : (Important Crops : Chilly, Brinjal & Jasmine) Due to prevailing weather the occurrence of Yellow Muranai mite in Chilly. To control spray Sulphur WP 6 gm or Ethion 50% EC 4 ml /lit of water. Prevailing current weather condition the incense of Bud worm in Jasmine. The bud worm Caterpillar makes hole on the flower bud and feeds on the inner content. Petals are eaten by the larvae. Collect and destroy the damaged buds with larvae. Use light trap to attract and kill the adult moths. Spray NSKE 5% or malathion 50EC 2ml/lit. The Jasmine fields should be prune properly and maintain the Jasmine bushes with hygienic conditions. Prevailing weather condition the Brown leaf hopper infestation slightly in Brinjal. Due to this in Reduction in size of leaves, Shortened petioles, Excessive growth of branches general stunting of plants, Conversion of floral parts into leafy structures, Fruiting is rare. Before transplantation dip the seedlings in 0.2% carbofuran 50 STD solution (control insect vectors), Remove infected plants and destroy them and Spray with methyl parathion 0.5% or dimethoate 0.3%.

Sivagangai

Weather Based Agro-Advisories : (Important Crops : Chilly, Brinjal) Prevailing weather condition the Brown leaf hopper infestation slightly in Brinjal. Due to this in Reduction in size of leaves, Shortened petioles, Excessive growth of branches general stunting of plants, Conversion of floral parts into leafy structures, Fruiting is rare. Before transplantation dip the seedlings in 0.2% carbofuran 50 STD solution (control insect vectors), Remove infected plants and destroy them and Spray with methyl parathion 0.5% or dimethoate 0.3%. Due to prevailing weather the occurrence of Yellow Murnai mite in Chilly. To control spray Sulphur WP 6 gm or Ethion 50% EC 4 ml /lit of water

Theni

Weather Based Agro-Advisories : (Important Crops : Moringa, Brinjal & Banana) Prevailing current weather farmers are advised to follow the fertilizer recommendation for Moringa. A fertilizer dose of 45:16:30 g of NPK/pit may be applied 3 months after sowing. Apply 45 g of N/pit after 6 months when the crop is in bearing. Due to prevailing weather condition incense of Hard scale in Banana. Hard scale grubs bore into the rhizome and cause death of the banana plant. Presence of dark coloured tunnels in the rhizomes. Death of unopened pipe, withering of outer leaves. To control by biological method collect and destroy the affected plant parts , release of coccinellid predators like Chilocorus nigritus, Symnus coccivora in affected banana field . Prevailing weather condition the Brown leaf hopper infestation slightly in Brinjal. Due to this in Reduction in size of leaves, Shortened petioles, Excessive growth of branches general stunting of plants, Conversion of floral parts into leafy structures, Fruiting is rare. Before transplantation dip the seedlings in 0.2% carbofuran 50 STD solution (control insect vectors), Remove infected plants and destroy them and Spray with methyl parathion 0.5% or dimethoate 0.3%.
