



जिला स्तरतमिलनाडुके लिएकृषि मौसमसलाहकारबुलेटिन

DISTRICT LEVEL

**Agro meteorological Advisory Bulletin for the state of
Tamil Nadu Bulletin No. 065/2018**

For the period 0830 IST, 17th August 2018 to
0830 IST, 21st August 2018

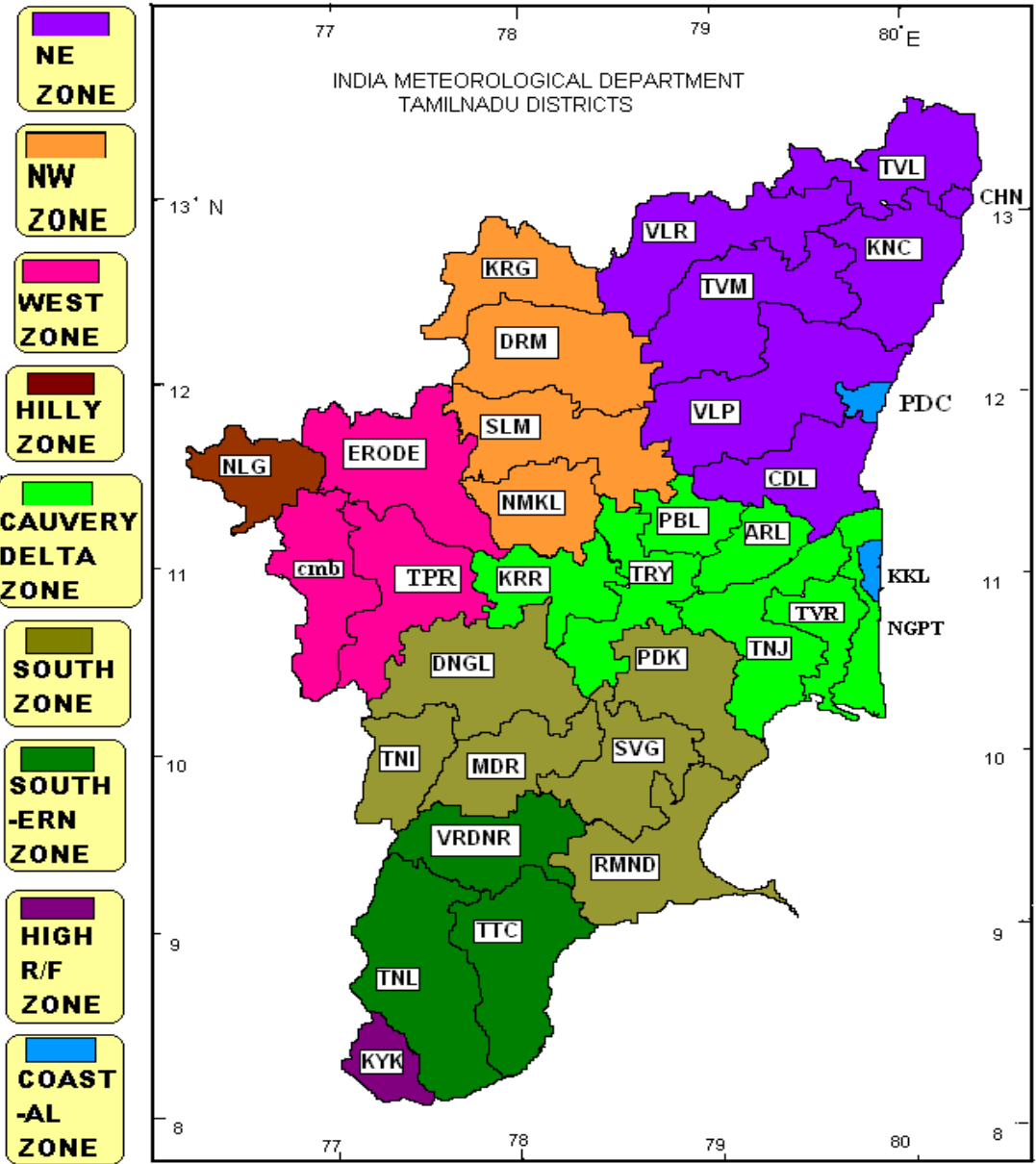
Issued on Friday, 17th August 2018

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 Toothukudi	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 14.08.18 to 16.08.18 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range 25°C – 37°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 15°C – 17°C during the period.

Minimum temperature of range 21°C - 28°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 11°C - 12°C during the same period.

Spatial distribution of Rainfall

Spatial distribution of Rainfall	Date	Area
Widespread (Most places)	--	--
Fairly widespread (Many places)	15.08.18	Tamil Nadu
Scattered (Few Places)	16.08.18 14.08.18 & 16.08.18	Tamil Nadu Puducherry
Isolated (Isolated Places)	14.08.18	Tamil Nadu
Dry	15.08.18	Puducherry

Chief Amounts of Rainfall (in cms):-

14.08.18: Valparai PTO (Coimbatore Dist) 18, Chinnakalar (Coimbatore Dist) 17, Naduvattam (Nilgiris Dist) 10, Papanasam (Tirunelveli Dist), Valparai taluk office (Coimbatore Dist) 9 each, Devala (Nilgiris Dist) 8, G Bazar (Nilgiris Dist) 7, Bhoothapandy (Kanyakumari Dist), Pechiparai (Kanyakumari Dist) 6 each, Periyar (Theni Dist) 5, Pollachi (Coimbatore Dist), K bridge (Nilgiris Dist) 4 each, Thuckalay (Kanyakumari Dist), Coonoor (Nilgiris Dist), Mylaudy (Kanyakumari Dist), Kuzhithurai (Kanyakumari Dist), Nagercoil (Kanyakumari Dist) 3 each, Uthagamandalam (Nilgiris Dist), Thenkasi (Tirunelveli Dist) 2 each, Radhapuram (Tirunelveli Dist), Ayikudi (Tirunelveli Dist), Colachel (Kanyakumari Dist), Ketti (Nilgiris Dist), Shencottah (Tirunelveli Dist), Yercaud (Salem Dist) 1 each.

15.08.18: Shencottah (Tirunelveli Dist) 27, Chinnakalar (Coimbatore Dist) 21, Pechiparai (Kanyakumari Dist) 20, Papanasam (Tirunelveli Dist) 19, Valparai pto (Coimbatore Dist) 16, Valparai taluk office (Coimbatore Dist) 14, Devala (Nilgiris Dist), Periyar (Theni Dist) 13 each, Naduvattam (Nilgiris Dist) 11, Kuzhithurai (Kanyakumari Dist), Anna University (Chennai Dist) 9 each, Anna uty arg (Chennai Dist), G Bazar (Nilgiris Dist), Taramani arg (Kancheepuram Dist) 8 each, Bhoothapandy (Kanyakumari Dist), Nagercoil (Kanyakumari Dist), DGP office (Chennai Dist), Poonamalle arg (Tiruvallur Dist), Chennai AP (Kancheepuram Dist), Tambaram (Kancheepuram Dist), Mylaudy (Kanyakumari Dist) 7 each,

Ambasamudram (Tirunelveli Dist), Chennai(N) (Chennai Dist), Tiruvallur (Tiruvallur Dist), Sriperumbudur (Kancheepuram Dist) 6 each, Satyabama uty arg (Kancheepuram Dist), Kolapakkam arg (Kancheepuram Dist), Eraniel (Kanyakumari Dist), Colachel (Kanyakumari Dist), Cheranmahadevi (Tirunelveli Dist), Thenkasi (Tirunelveli Dist), Chembarabakkam (Tiruvallur Dist), Thuckalay (Kanyakumari Dist), Chembarabakkam arg (Tiruvallur Dist), Arakonam (Vellore Dist), Pollachi (Coimbatore Dist), Poonamallee (Tiruvallur Dist), Thiruvallangadu (Tiruvallur Dist), Poondi (Tiruvallur Dist) 5 each, Tiruttani (Tiruvallur Dist), Kanyakumari (Kanyakumari Dist), Kelambakkam (Kancheepuram Dist), Pallipattu (Tiruvallur Dist), Ambur (Vellore Dist), Manamelkudi (Pudukkottai Dist), Kancheepuram (Kancheepuram Dist), K bridge (Nilgiris Dist), Kaveripakkam (Vellore Dist) 4 each, Vandavasi (Tiruvannamalai Dist), Radhapuram (Tirunelveli Dist), Uthagamandalam (Nilgiris Dist), Kvk kattukuppam arg (Kancheepuram Dist), Ketti (Nilgiris Dist), Thamaraipakkam (Tiruvallur Dist), R.k.pet (Tiruvallur Dist), Arani (Tiruvannamalai Dist), Satankulam (Toothukudi Dist), Cholavaram (Tiruvallur Dist), Palayamkottai (Tirunelveli Dist), Tiruchendur (Toothukudi Dist) 3 each, Srivaikuntam (Toothukudi Dist), Uthiramerur (Kancheepuram Dist), Coonoor (Nilgiris Dist), Karaikudi (Sivaganga Dist), Kalavai AWS (Vellore Dist), Wallajah (Vellore Dist), Tirupathur (Sivaganga Dist), Ayikudi (Tirunelveli Dist), Rajapalayam (Virudhunagar Dist), Gudalur (Theni Dist), Red hills (Tiruvallur Dist), Arantangi (Pudukkottai Dist), Kovilpatti (Toothukudi Dist), Ramanathapuram (Ramanathapuram Dist), Tuticorin (Toothukudi Dist), Coonoor pto (Nilgiris Dist), Ponneri (Tiruvallur Dist), Thoothukudi port AWS (Toothukudi Dist), Vellore (Vellore Dist) 2 each, Maduranthagam (Kancheepuram Dist), Sholingur (Vellore Dist), Mahabalipuram (Kancheepuram Dist), Sethiathope (Cuddalore Dist), Chengalpattu (Kancheepuram Dist), Natham (Dindigul Dist), Vedaranyam (Nagapattinam Dist), Marakkanam (Villupuram Dist), Mettupalayam (Coimbatore Dist), Sankarankoil (Tirunelveli Dist), Udumalpet (Tiruppur Dist), Vaniaymbadi (Vellore Dist), Srimushnam (Cuddalore Dist), Anaikaranchatram(KolliDam (Nagapattinam Dist), Sivagiri (Tirunelveli Dist), Ennore AWS (Tiruvallur Dist), Cheyyar (Tiruvannamalai Dist), Srivilliputhur (Virudhunagar Dist), Virudachalam (Cuddalore Dist), ChiDambaram (Cuddalore Dist), Thali (Krishnagiri Dist), Periyakulam (Theni Dist), Bodinaickanur (Theni Dist), Bodinayakanur arg (Theni Dist), Nanguneri (Tirunelveli Dist), Kalugumalai (Toothukudi Dist), Tindivanam (Villupuram Dist), Sattur (Virudhunagar Dist), Manimutharu (Tirunelveli Dist), Sirkali (Nagapattinam Dist), Rameswaram (Ramanathapuram Dist), Periyakulam AWS (Theni Dist), Puzhal arg (Tiruvallur Dist), Thuraiyur (Trichy Dist), Virinjipuram AWS (Vellore Dist), Ap peelamedu (Coimbatore Dist), Aranmanaipudur (Theni Dist), Yercaud (Salem Dist), Uttamapalayam (Theni Dist), Periyanaickenpalayam (Coimbatore Dist), Paramakudi (Ramanathapuram Dist), Tiruppur (Tiruppur Dist), Polur (Tiruvannamalai Dist) 1 each.

16.08.18: Valparai pto (Coimbatore Dist) 31, Valparai taluk office (Coimbatore Dist) 19, Devala (Nilgiris Dist) 17, Periyar (Theni Dist), Naduvattam (Nilgiris Dist) 12 each, G Bazar (Nilgiris Dist) 11, Shencottah (Tirunelveli Dist) 9, Pollachi (Coimbatore Dist) 7, Papanasam (Tirunelveli Dist), Manimutharu (Tirunelveli Dist) 6 each, Gudalur (Theni Dist), Kuzhithurai (Kanyakumari Dist), Pechiparai (Kanyakumari Dist) 5 each, Chengalpattu (Kancheepuram Dist), Pondicherry (Puducherry Dist) 4 each, Thenkasi (Tirunelveli Dist), Palani (Dindigul Dist), Colachel (Kanyakumari Dist), Uthagamandalam (Nilgiris Dist), K bridge (Nilgiris Dist), Bhoothapandy (Kanyakumari Dist), Kodaikanal (Dindigul Dist), Kancheepuram (Kancheepuram Dist), Panruti (Cuddalore Dist), Thuckalay (Kanyakumari Dist), Uthiramerur (Kancheepuram Dist), Bodinaickanur (Theni Dist) 3 each, Coimbatore AWS (Coimbatore Dist), Radhapuram (Tirunelveli Dist), Ambasamudram (Tirunelveli Dist), Coonoor (Nilgiris Dist), Kalavai AWS (Vellore Dist), Rajapalayam (Virudhunagar Dist), Nagercoil (Kanyakumari Dist), Uttamapalayam (Theni Dist), Kelambakkam (Kancheepuram Dist), Periyakulam (Theni Dist), Srivilliputhur (Virudhunagar Dist), Vellore (Vellore Dist), Udumalpet (Tiruppur Dist), Mahabalipuram (Kancheepuram Dist), Bodinayakanur arg (Theni Dist), Satyabama uty arg (Kancheepuram Dist),

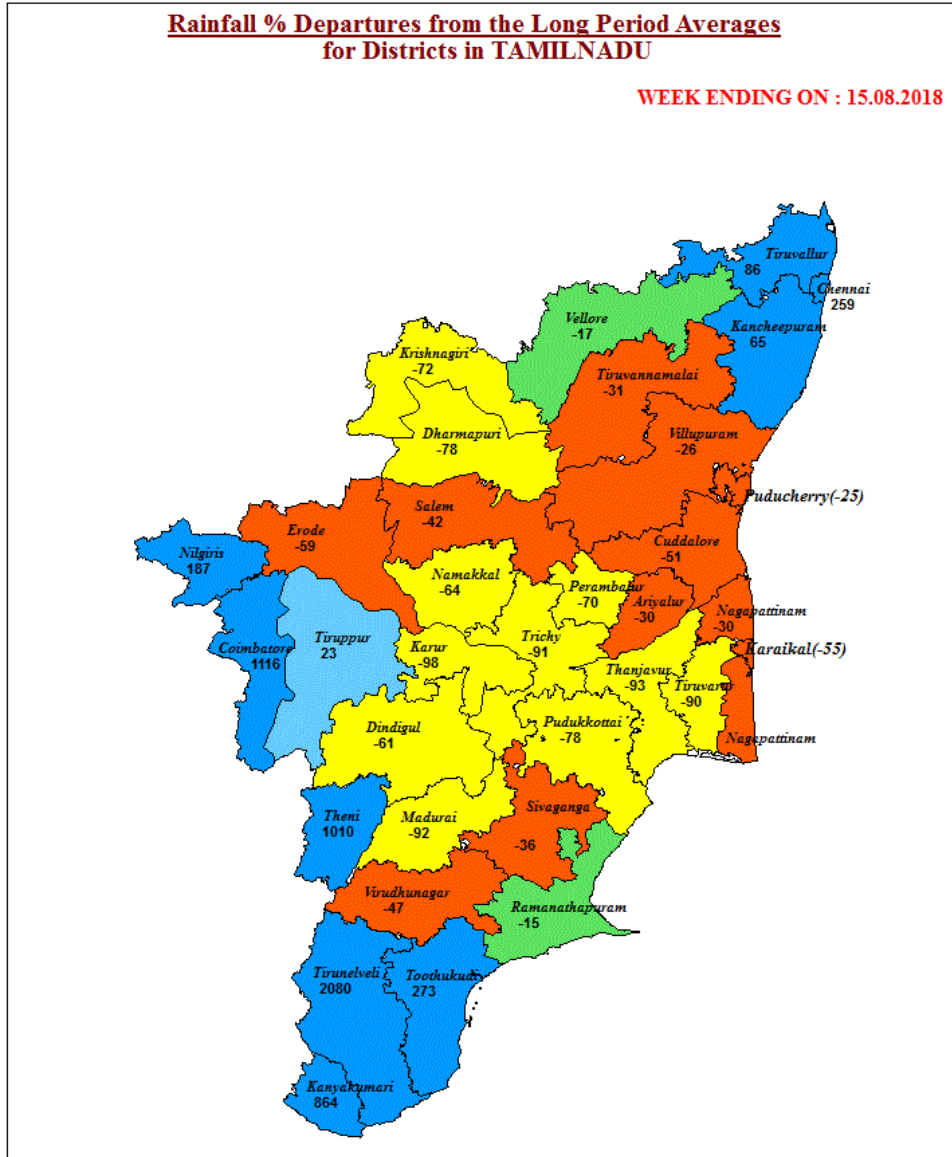
Eraniel (Kanyakumari Dist), Tiruttani (Tiruvallur Dist) 2 each, Aranmanaipudur (Theni Dist), Sankarankoil (Tirunelveli Dist), Vanur (Villupuram Dist), Cuddalore (Cuddalore Dist), Coimbatore south (Coimbatore Dist), Cholavaram (Tiruvallur Dist), Coonoor pto (Nilgiris Dist), Ayikudi (Tirunelveli Dist), Kvk kattukuppam arg (Kancheepuram Dist), Ponneri (Tiruvallur Dist), Yercaud (Salem Dist), Ketti (Nilgiris Dist), Ap peelamedu (Coimbatore Dist), Mylaudy (Kanyakumari Dist), Maduranthagam (Kancheepuram Dist), Uthangarai (Krishnagiri Dist), Periyakulam AWS (Theni Dist), Red hills (Tiruvallur Dist), Sathanur Dam (Tiruvannamalai Dist), DGP office (Chennai Dist), Periyanaickenpalayam (Coimbatore Dist), Pallipattu (Tiruvallur Dist), Ennore AWS (Tiruvallur Dist), Wallajah (Vellore Dist), Tirumayam (Pudukkottai Dist), Marakkanam (Villupuram Dist), Tambaram (Kancheepuram Dist), Nanguneri (Tirunelveli Dist), Kalugumalai (Toothukudi Dist) 1 each.

(Percentage Departure of Rainfall)

INDIA METEOROLOGICAL DEPARTMENT
RMC CHENNAI

Rainfall % Departures from the Long Period Averages
for Districts in TAMILNADU

WEEK ENDING ON : 15.08.2018

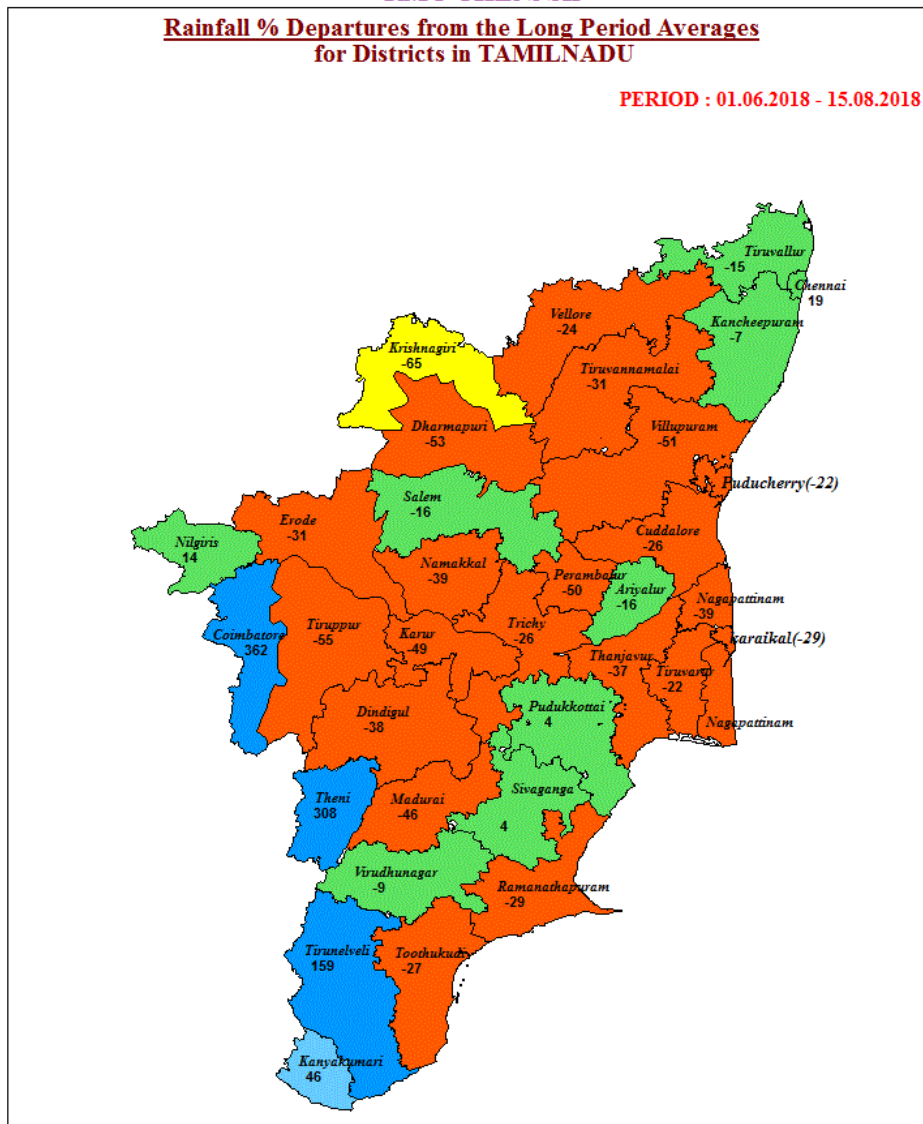


LEGEND: ■ L. EXCESS (+60% OR MORE) ■ EXCESS (+20% TO +59%) ■ NORMAL (+19% TO -19%)
 ■ DEFICIENT (-20% TO -59%) ■ L. DEFICIENT (-60% TO -99%) ■ NO RAIN (-100%) ■ NO DATA

INDIA METEOROLOGICAL DEPARTMENT
RMC CHENNAI

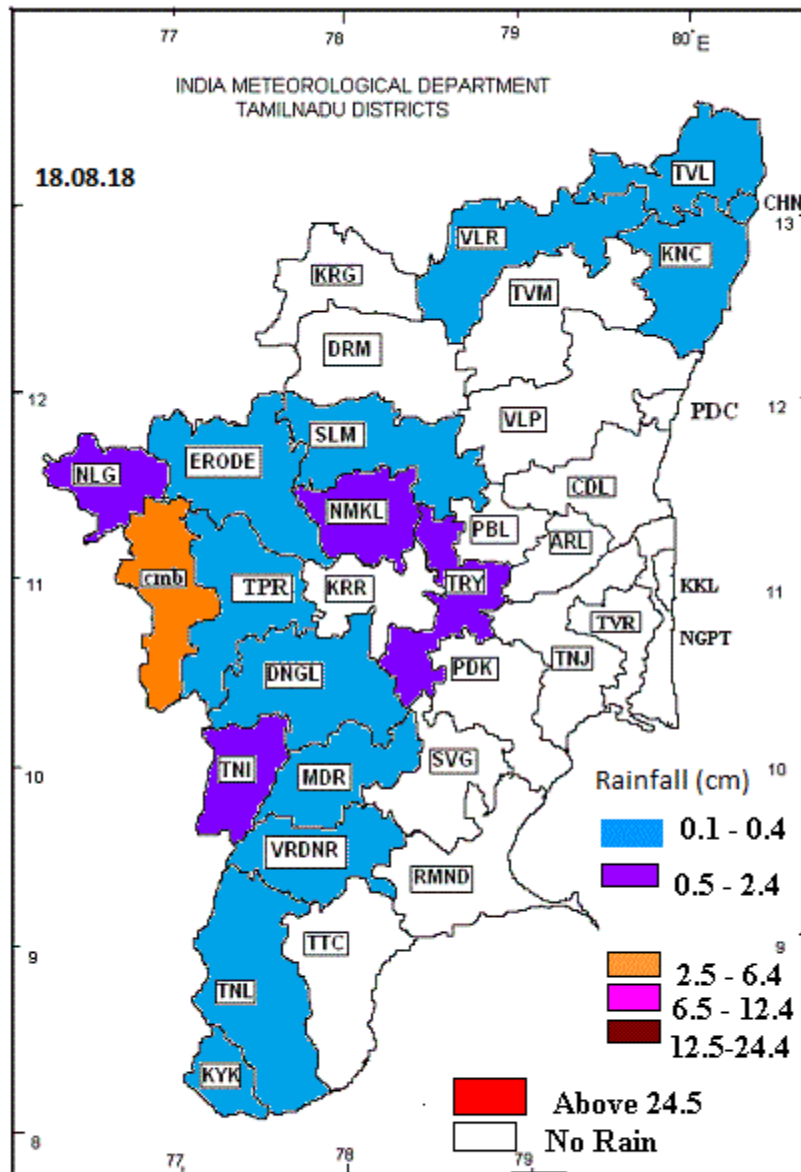
**Rainfall % Departures from the Long Period Averages
for Districts in TAMILNADU**

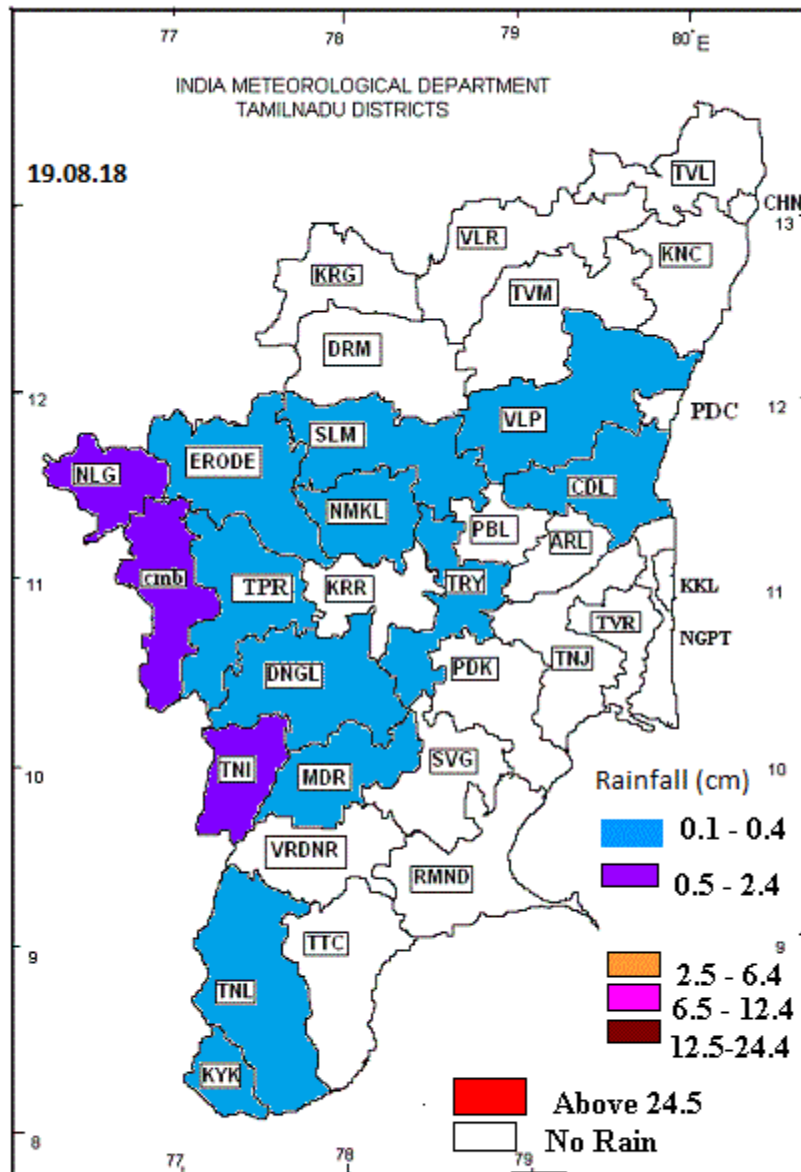
PERIOD : 01.06.2018 - 15.08.2018

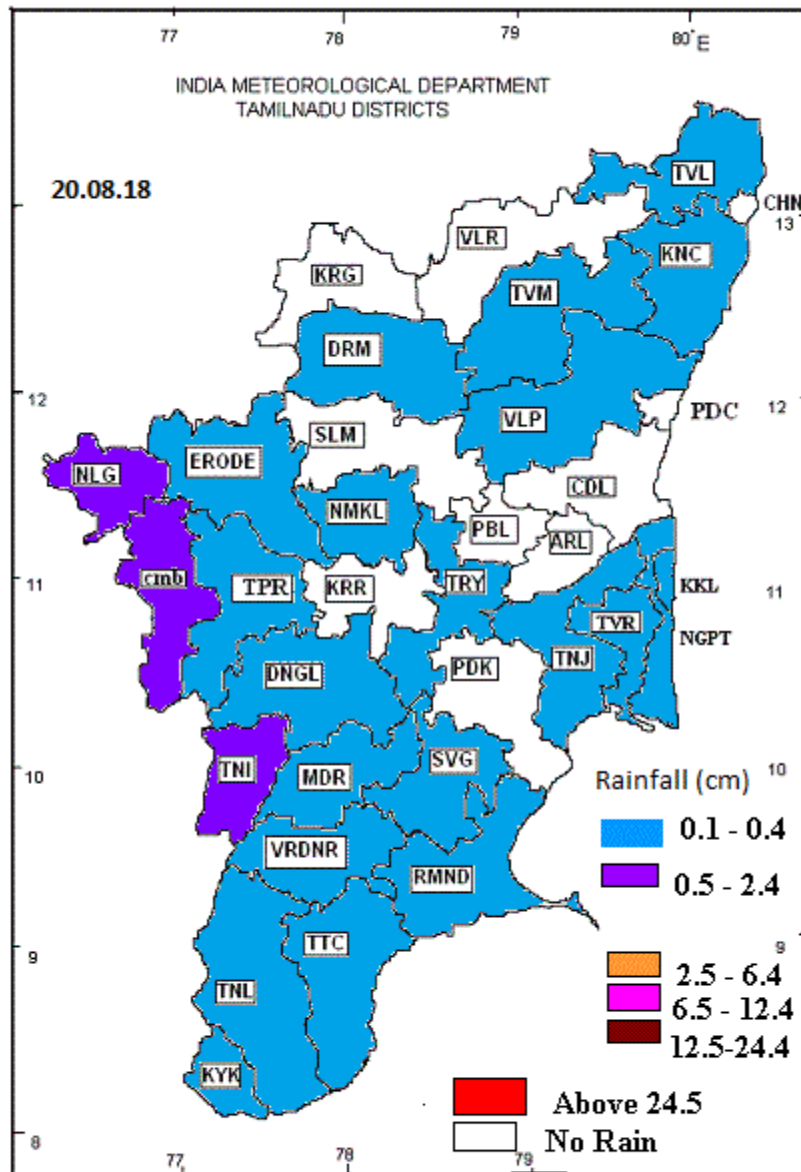


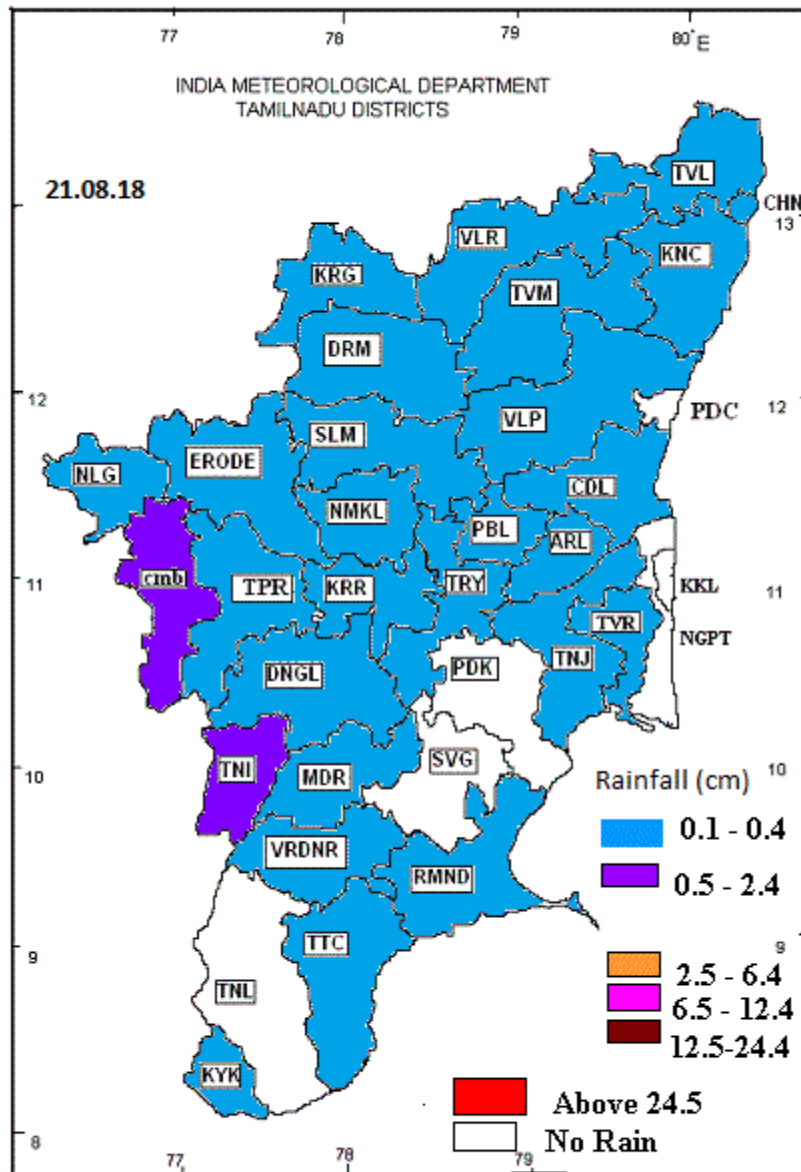
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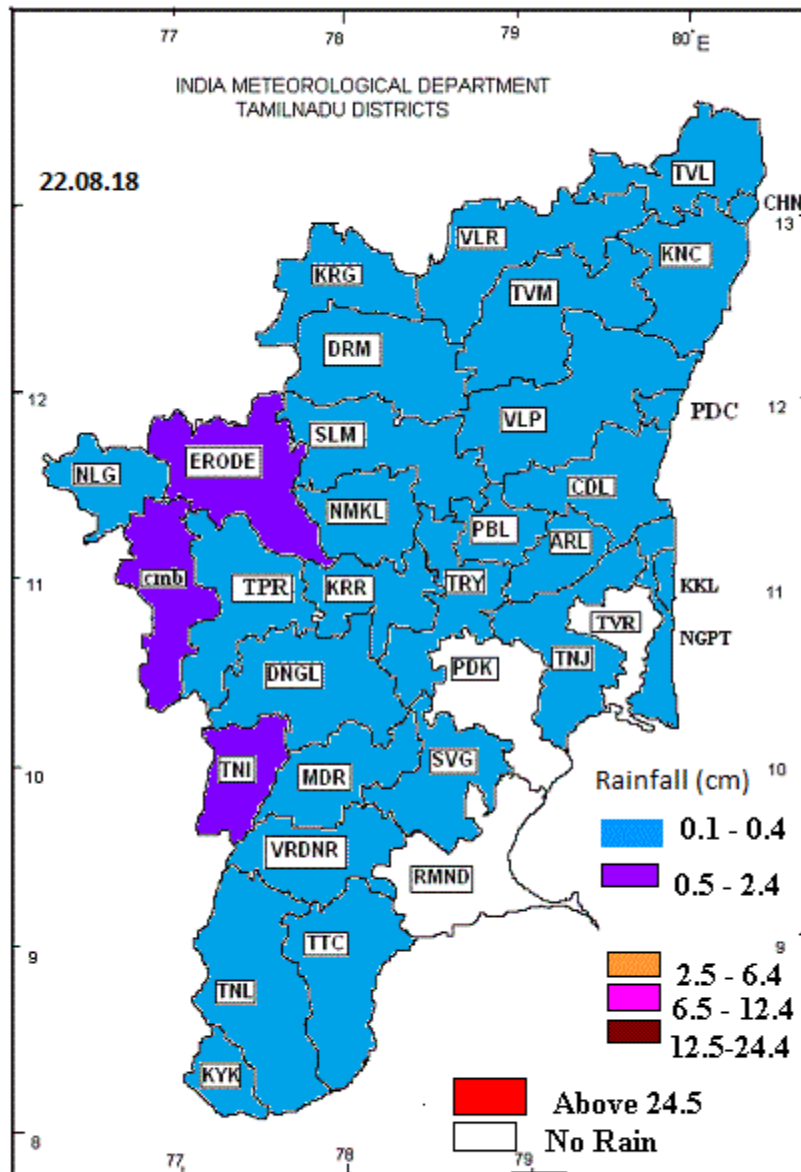
DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 17.08.2018
VALID FOR THE NEXT 5 DAYS











Districtwise Agromet Advisories

Chennai

Livestock:

Light rainfall may be expected on 18.08.2018, 20.08.2018 and 22.08.2018.

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

Sheep and goat shed remove 3-4 inches of mud floor and replace it with new mud to avoid infection.

Farmer's are advised to control ticks by way of spraying Butox (2ml butox per liter of water) to avoid spread of haemoprotozoan infection in cattle.

Avoid grazing of animals near ponds and lakes to avoid fluke infestation.

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

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.

Agriculture (Krishi Vigyan Kendra, Kattupakkam)

Imp. Crops: Rice, Sugarcane and Groundnut

Farmers may adopt summer ploughing with the available summer showers

As a summer crop, gingelly (for coarse textured soil) @ 5 kg/ha may be raised utilizing additional irrigation facilities wherever available

To control the incidence of sucking pest in the vegetable crops farmer are advised to spray neem seed kernal extract 5 percent.

The root zones of horticulture crops are covered with coir pith to conserve moisture.

Kancheepuram, Tiruvallur & Thiruvannamalai

Livestock:

Light rainfall may be expected from 20.08.2018 to 22.08.2018

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

Sheep and goat shed remove 3-4 inches of mud floor and replace it with new mud to avoid infection.

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Vellore

Livestock:

Light rainfall may be expected on 21.08.2018 and 22.08.2018.

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Cuddalore

Livestock:

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Villupuram

Livestock:

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Sheep and goat shed remove 3-4 inches of mud floor and replace it with new mud to avoid infection. Farmer's are advised to control ticks by way of spraying Butox (2ml butox per liter of water) to avoid spread of haemoprotozoan infection in cattle.

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Karaikal & Puducherry

Long duration varieties like CR 1009, ADT 50 and KKLR 1 may be adopted for ensuing Samba season.

Treat the seeds with Carbendazim or Pyroquilon or Tricyclozole @ 2 g/ kg of seed. Soak the seeds in water for 10 hrs and drain the excess water.

Treat the seeds with *Pseudomonas fluorescens* @10g/kg of seed per litre of water overnight. Decant the excess water and allow the seeds to sprout for 24hrs before sowing.

Treat the seeds with 3 packets (600 g/ha) of Azospirillum and 3 packets (600g/ha) of Phosphobacteria or 6 packets (1200g/ha) of Azophos before sowing.

Coimbatore

Blocks	Sugar cane	Cumbu	Turmeric	Milletts	Groundnut
Thondamuthur	V	M	V	M	F
Karamadai	V	M	V	M	F
Sulur	V	M	V	M	F
Sultanpet	V	M	V	M	F
Pollachi	V	M	V	M	F
P.N Palayam	V	M	V	M	F
Kinathukadavu	V	M	V	M	F
Annur	V	M	V	M	F
Madukarai	V	M	V	M	F
Annaimalai	V	M	V	M	F

V-Vegetative ; M- Maturity ; F - Flowering

Agro Advisory

By utilizing rainfall, fodder sorghum or cowpea may be sown under rainfed lands.

Rainfall is expected. Tomato seedling may be transplanted in ridges and furrows under rainfed conditions.

Considering the receipt of anticipated rainfall gourds vegetable sowing may be continued.

Weather conditions is favorable for the tikka leaf spot incidence in Groundnut and monitor the incidence if necessary spray Carbendazim 500 gram or Mancozeb 1000 gram per ha.

Rainfall and high wind speed is expected. Hence, propping may be done in the early season sugarcane and banana.

Farmers are advised not to allow their animals to graze near pond or lake areas to avoid fluke infestation

Present weather is conducive for many pathogen in milch animals. Hence, clean the udder with 1% potassium permanganate before and after milking.

SMS advisory

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Erode

Taluks	Sugar cane	Cumbu	Turmeric	Millets	Cotton
Ammapet	V	M	V	M	S &BP
Bhavani	V	M	V	M	S & BP
Erode	V	M	V	M	S & BP
Perundurai	V	M	V	M	S & BP
Sathyamangalam	V	M	V	M	S & BP
Nambiyur	V	M	V	M	S & BP
Gobichettipalayam	V	M	V	M	S & BP

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

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SMS advisory

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Tiruppur

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

V-Vegetative; M-Maturity; BP-Boll picking; F –Flowering

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Dindigul

Important Crops : Onion & Animal husbandry Due to current weather condition the incense of Downy mildew may expected in Onion. The symptoms are white downy growth appears on the surface of the leaves. Finally the infected leaves are dried up. Three spraying with 20 gm Mancozeb is effective. Spraying should be started 20 days after transplanting and repeated at 10 days interval. Prevailing weather condition for Enterotoxaemia, vaccinate the young Goat/growing kids at 6th month, vaccinate the animals once in a year before the onset of monsoon and at the time of lambing stage of Goat.

Madurai

Important Crops : Paddy & Animal husbandry Prevailing weather condition the incense of Rice tungro may expected in Paddy. Tungro virus disease affects all growth stages of the rice plant specifically high at vegetative stage. Plants affected by tungro exhibit stunting and reduced tillering. Leaves become yellow or orange-yellow, it may also have rust-colored spots. Light traps are to be set up, in the early morning the population of leaf hopper alighting near the light trap should be killed by spraying/dusting the insecticides. This should be practiced every day. Destruction of weed hosts on bunds. Spray any one of the following fungicides Thiamethoxam 25 WDG 100g/ha or Imidacloprid 17.8 SL 100ml/ha at 15 and 30 days (two rounds) after transplanting. The vegetation on the bunds should also be sprayed. Prevailing weather condition for Enterotoxaemia, vaccinate the young Goat/growing kids at 6th month, vaccinate the animals once in a year before the onset of monsoon and at the time of lambing stage of Goat.

Pudukottai

Important Crops : Tomato & Animal husbandry The occurrence of Pinworm may expect in Tomato. Mining of leaves, stem and pinholes on fruits are the symptoms. Collect and destroy the pinworm affected plants and fruits. Keep pheromone traps 16 nos./ac to attract and kill the adult moths. If needed, spray Indoxacarb 14.5% SC @ 100ml or Neem formulation (Azadirachtin 1% or 5%) @ 400 ml/ac. Prevailing weather condition for Enterotoxaemia, vaccinate the young Goat/growing kids at 6th month, vaccinate the animals once in a year before the onset of monsoon and at the time of lambing stage of Goat.

Ramanathapuram

Important Crops: Brinjal & Animal husbandry Prevailing weather condition the incense of Collar rot disease may expected in Brinjal. The lower portion of the stem is affected from the soil borne inoculums. Decortications are the main symptom. Exposure and necrosis of underlying tissues may lead to collapse of the plant. Collect and destruct the diseased parts and portions of the plant. Spraying with Mancozeb @ 2g/litre of water. Seed treatment with 4 g of Trichoderma viride formulation per kg seed will help in reducing the disease. Prevailing weather condition for Enterotoxaemia, vaccinate the young Goat/growing kids at 6th month, vaccinate the animals once in a year before the onset of monsoon and at the time of lambing stage of Goat.

Sivagangai

Important Crops : Groundnut & Animal husbandry. Prevailing current weather the incense of Alternaria leaf disease may expected in Groundnut. Lesions increase in area and their central portions become pale, rapidly dry out, and disintegrate. Veins and veinlets adjacent to the lesions become necrotic. In the later stages of infection, blighted leaves curl inward and become brittle. To control foliar spray application of 30 gm Mancozeb or 10gm Carbendazim/lit. Prevailing weather condition for Enterotoxaemia, vaccinate the young Goat/growing kids at 6th month, vaccinate the animals once in a year before the onset of monsoon and at the time of lambing stage of Goat.

Theni

Important Crops: Citrus & Animal husbandry Due to current weather condition the Scab / Verucosis may expected in Citrus. Attacks leaves, twigs and fruits of mandarin. On the leaves the disease starts as small pale orange coloured spots. The leaf tissue is distorted to firm hollow conical growths with the lesion at the apex. Leaves wrinkled, distorted and stunted. On twigs & fruits irregular scabily spots or caked masses produced. The attacked fruits drop prematurely. To control spray 10gms of Carbendazim /lit. Prevailing weather condition for Enterotoxaemia, vaccinate the young Goat/growing kids at 6th month, vaccinate the animals once in a year before the onset of monsoon and at the time of lambing stage of Goat.

Ariyalur, Karur, Nagapattinam, Perambalur, Thanjavur, Thiruvarur & Thiruchirapalli

Crop: Rice Stage: Rice: - kuruvai : Flowering stage Samba: Land preparation and sowing → Ploughing of paddy fields may be taken up using the released water for samba. Dry seeding with seed drill can also be taken up. → Rice varieties CR 1009 (Sub 1), ADT 50 and ADT 51 are suitable for samba season for

Cauvery delta zone. — For direct sown rice in samba season, sowing by using tractor drawn seed drill, seed rate of 15 kg/acre is required. For manual broadcasting seed rate of 30 kg/acre is required. Seeds should be treated with pseudomonas fluorescence 10g/kg of seed before sowing. Seed treatment increase seed germination, seedling vigour and controls the seed borne infection. — Occurrence of stemborer is being noticed in the kuruvai paddy. To control this pest, spray chlorpyrifos @ 500 ml/ ac. Use water @ 200 litre/ ac.

Block level weather based agro advisory

Pollachi, Coimbatore District

Rainfall is expected. Tomato seedling may be transplanted in ridges and furrows under rainfed conditions.

Considering the receipt of anticipated rainfall gourds vegetable sowing may be continued.

Weather conditions is favorable for the tikka leaf spot incidence in Groundnut and monitor the incidence if necessary spray Carbendazim 500 gram or Mancozeb 1000 gram per ha.

Farmers are advised not to allow their animals to graze near pond or lake areas to avoid fluke infestation

Considering the present weather, which is conducive for many pathogen in milch animals. Hence clean the udder with 1% potassium permanganate before and after milking.

Thondamuthur, Coimbatore

Rainfall is expected. Tomato seedling may be transplanted in ridges and furrows under rainfed conditions.

Considering the receipt of anticipated rainfall gourds vegetable sowing may be continued.

Rainfall and high wind speed is expected. Hence, propping may be done in the early season sugarcane and banana.

Anthiyur, Erode District

By utilizing rainfall, fodder sorghum or cowpea may be sown under rainfed lands

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Udumalpettai, Trippur district

Rainfall is expected. Tomato seedling may be transplanted in ridges and furrows under rainfed conditions.

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