



जिला स्तरतमिलनाडुके लिएकृषि मौसमसलाहकारबुलेटिन

DISTRICT LEVEL

Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 094/2016

For the period 0830 IST, 22th NOV 2016 to
0830 IST, 25th NOV 2016

Issued on Tuesday, 22nd NOV 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 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 18.11.16 to 21.11.16 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range 34°C – 28°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 22°C – 16°C during the period.

Minimum temperature of range 25°C - 20°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 18°C - 08°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)	18.11.06, 20.11.06	South Tamil Nadu
Isolated (Isolated Places)	19.11.16, 21.11.16, 18.11.06, 20.11.06 18.11.16	Tamil Nadu North Tamil Nadu Pondicherry
Dry	19.11.16, 20.11.16, 21.11.06	Pondicherry

Chief Amounts of Rainfall (in cms):-

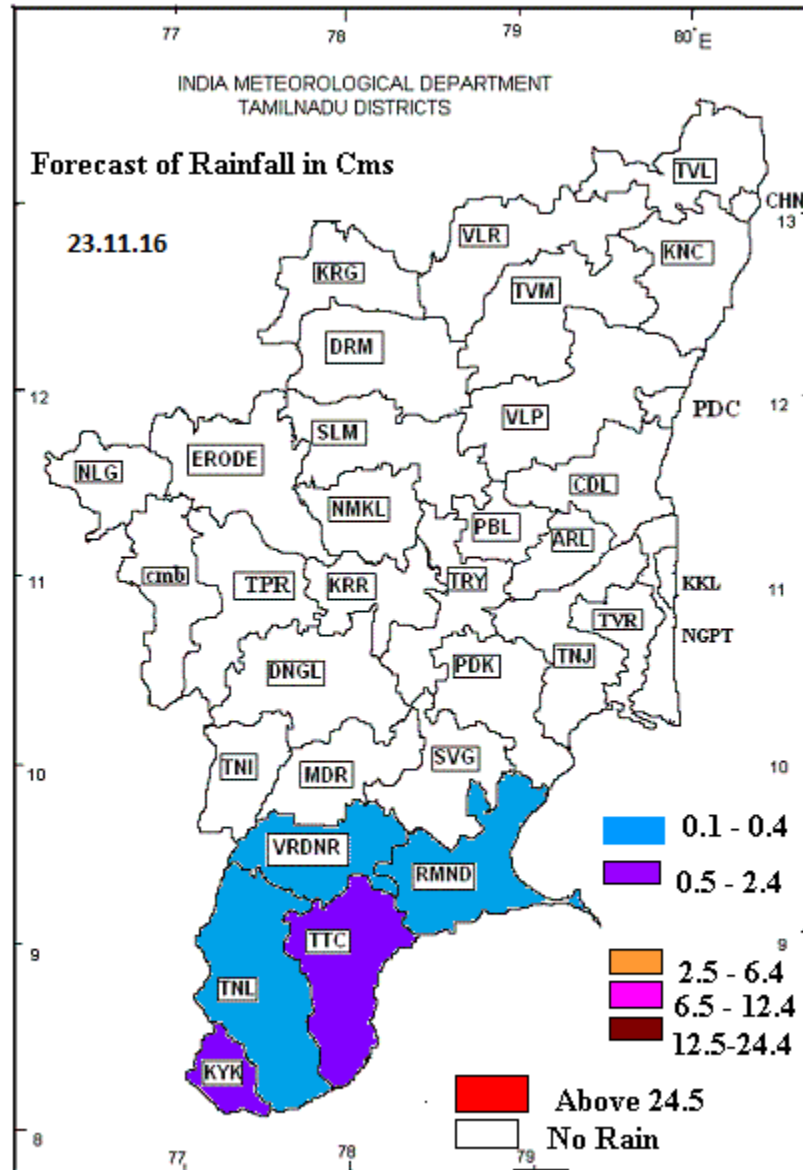
18.11.16: Tiruvarur (Tiruvarur Dist), Thiruthuraipoondi (Tiruvarur Dist), Vedaranyam (Nagapattinam Dist), Mayiladuthurai (Nagapattinam Dist), Anaikaranchatram(KolliDam (Nagapattinam Dist) 4 each, Nagapattinam (Nagapattinam Dist), Rameswaram (Ramanathapuram Dist), K.m.koil (Cuddalore Dist) 3 each, Nannilam (Tiruvarur Dist), Madukkur (Thanjavur Dist), Pandavaiyar head (Tiruvarur Dist), Pamban (Ramanathapuram Dist), NeeDamangalam (Tiruvarur Dist), Adirampatnam (Thanjavur Dist), Kodavasal (Tiruvarur Dist), Sirkali (Nagapattinam Dist), Karambakudi (Pudukkottai Dist), Papanasam (Tirunelveli Dist), Tondi (Ramanathapuram Dist), Karaikal (Karaikal Dist), Muthupet (Tiruvarur Dist), Kumbakonam (Thanjavur Dist), Thiruvaidaimaruthur (Thanjavur Dist), Aduthurai AWS (Thanjavur Dist), Vilathikulam (Toothukudi Dist) 2 each, Valangaiman (Tiruvarur Dist), Paramakudi (Ramanathapuram Dist), Kamudhi arg (Ramanathapuram Dist), Ramanathapuram (Ramanathapuram Dist), Kamudhi (Ramanathapuram Dist), Sivakasi (Virudhunagar Dist), Vallam (Thanjavur Dist), Pattukottai (Thanjavur Dist), Radhapuram (Tirunelveli Dist), Nanguneri (Tirunelveli Dist), Ambasamudram (Tirunelveli Dist), JayamkonDam (Ariyalur Dist), Peravurani (Thanjavur Dist), Surangudi (Toothukudi Dist), Aruppukottai (Virudhunagar Dist), Arantangi (Pudukkottai Dist), Arimalam (Pudukkottai Dist), Papanasam (Thanjavur Dist), Mannargudi (Tiruvarur Dist), Tiruchendur (Toothukudi Dist), Orthanad (Thanjavur Dist), Thanjavur pto (Thanjavur Dist), Satankulam (Toothukudi Dist), Sattur (Virudhunagar Dist), Karaikudi (Sivaganga Dist) 1 each.

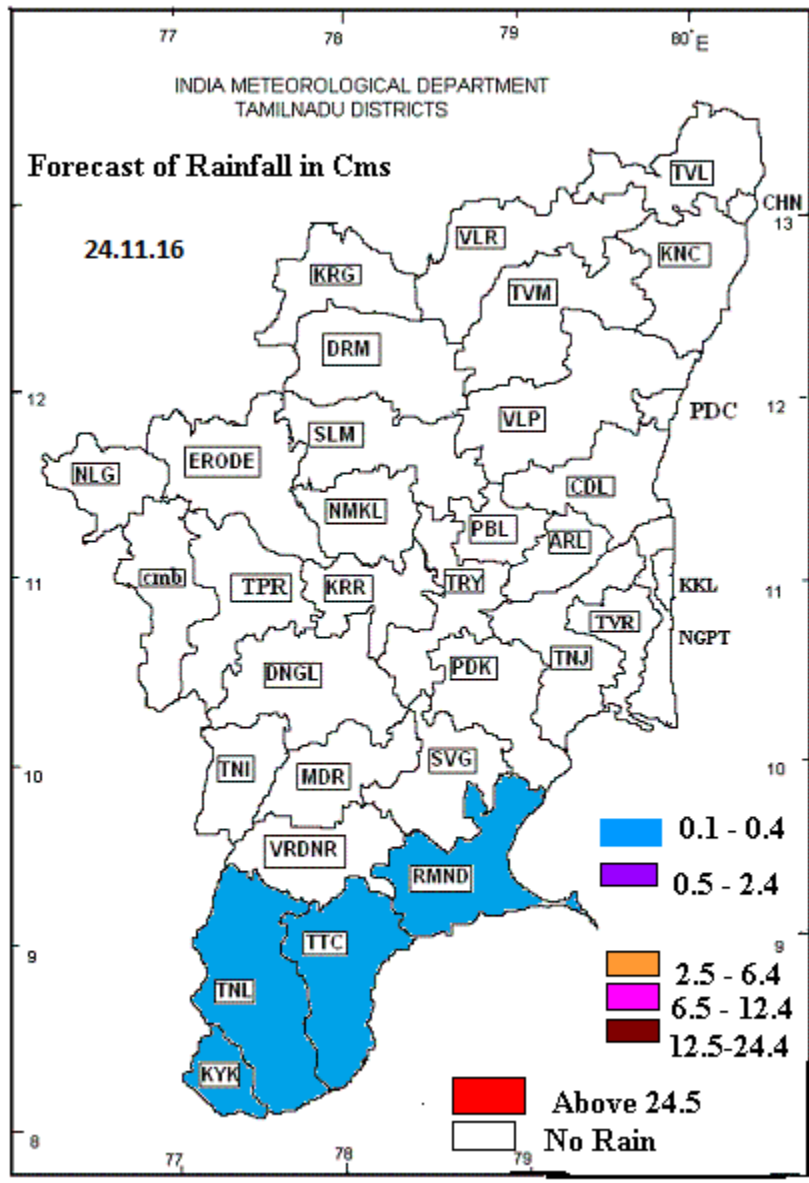
19.11.16: Rameswaram (Ramanathapuram Dist), Pamban (Ramanathapuram Dist), Kuzhithurai (Kanyakumari Dist) 1 each.

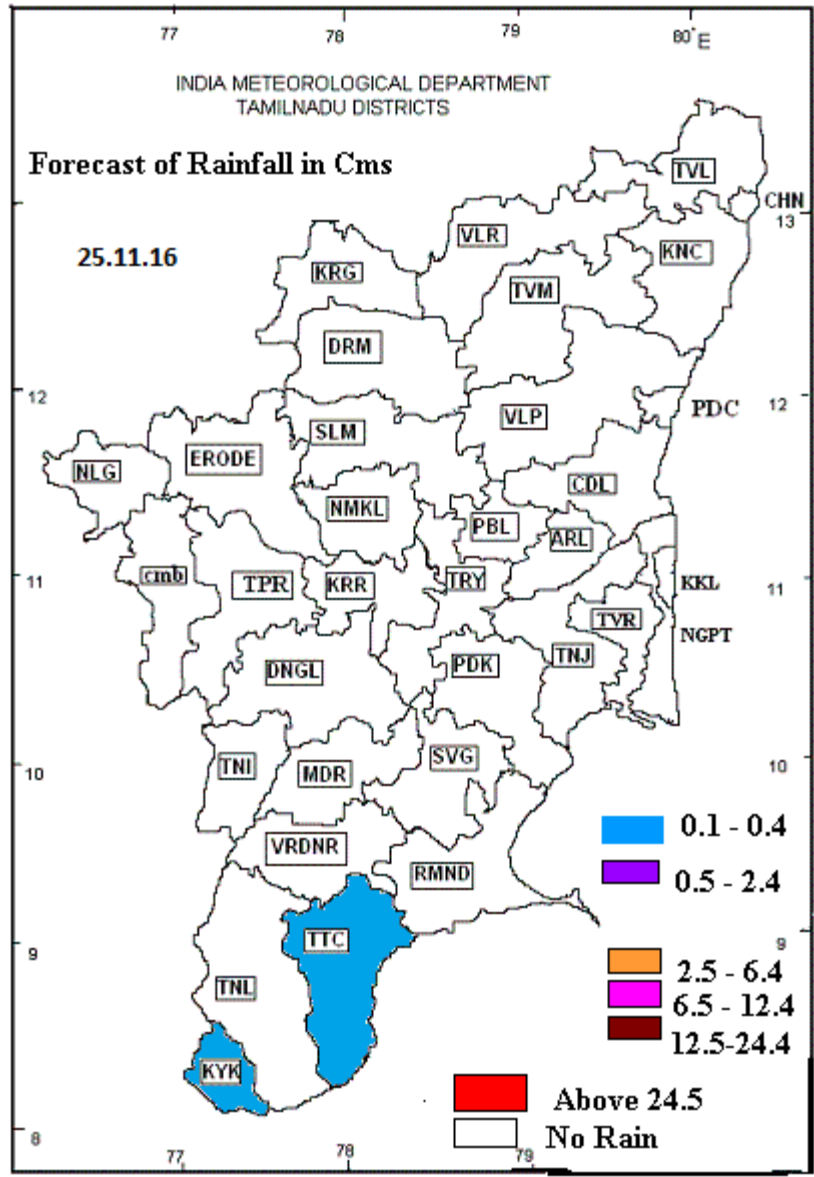
20.11.16: Pamban (Ramanathapuram Dist) 5, Vedaranyam (Nagapattinam Dist) 4, Rameswaram (Ramanathapuram Dist) 2, Ramanathapuram 1.

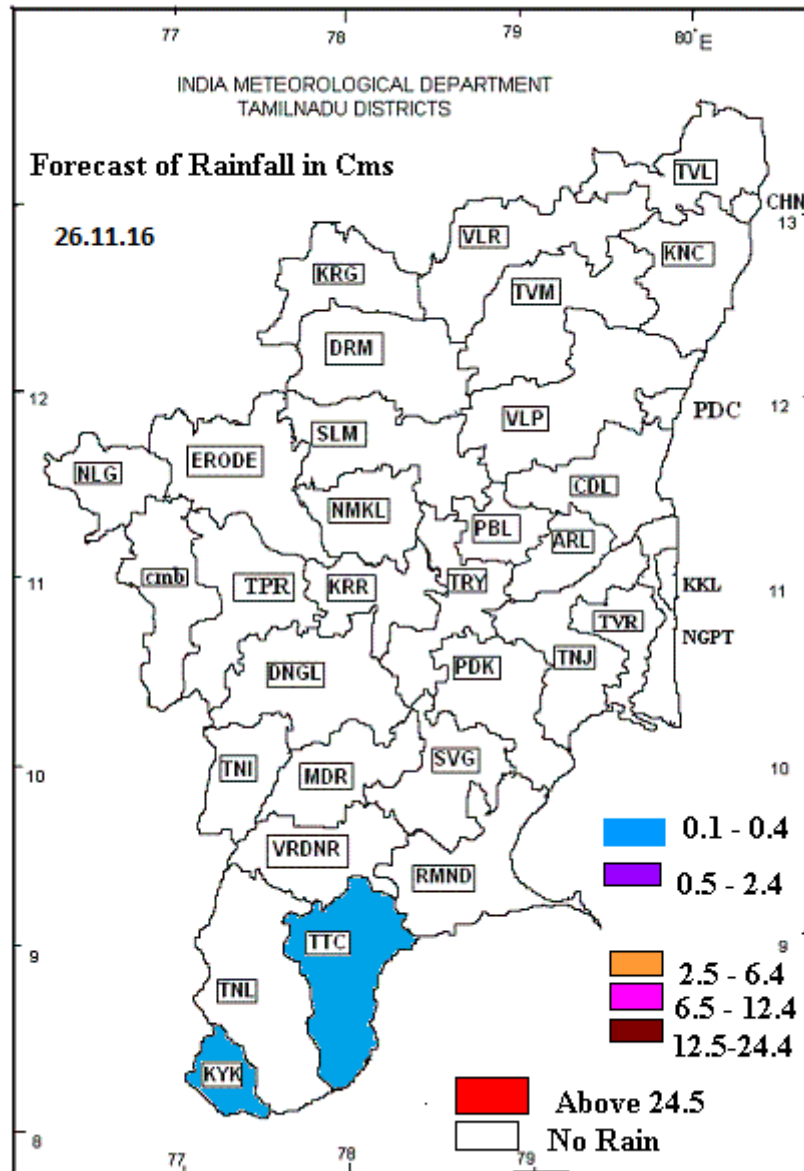
21.11.16: Vedaranyam (Nagapattinam Dist) 5, Pamban (Ramanathapuram Dist), Thiruthuraipoondi (Tiruvarur Dist) 1 each.

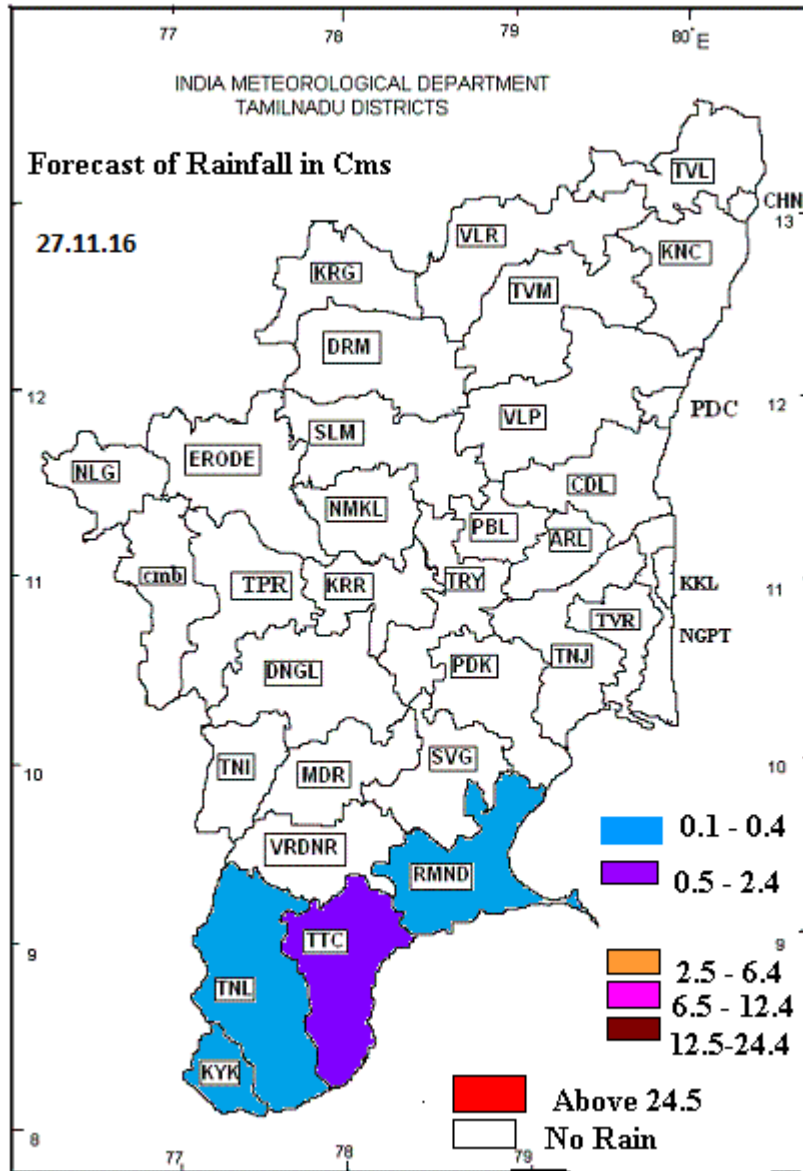
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 22.11.2016
VALID FOR THE NEXT 5 DAYS**











Districtwise Agromet Advisories

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

Livestock:

1. Ensure that the animal sheds remain dry during monsoon season and kept the animal in dry and high (raised platform) places.
2. Farmers are advised to make necessary repair/ maintenance works to avoid leakage of rain water through animal shed roof as well as stagnation of rain water around the sheds.
3. To control fluke infestation, animal should not be allowed to graze near ponds and lakes.
4. Sheep and goats should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
5. 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

1. To control blast in rice apply Carbendazim 50 WP or Tricyclozole 75 WP or Metominostrobin 20 SC or Azoxystrobin 25 SC @ one gram or one ml in one litre of water.
2. 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.
3. For one hectare of rice, a basal dose of 80 kg of urea, 300 kg of super phosphate, 20 kg of potash and 25 kg of ZnSO₄ (separately) may be applied before planting.
4. To control thrips in paddy nursery, spray Phosphomidon 40 SL 1 ml/litre or Chlorpyrifos 20 EC @ 2 ml/litre.

Ariyalur, Thiruchirapalli, Nagappattinam, Thanjavur, Thiruvarur, Perambalur

Crop: Rice, Black gram, Sugarcane, Cotton Stage: Samba: Active tillering; Thaladi : Transplanting Top dressing of fertilizers 25 kg urea and 10 kg of MOP /acre can be done for samba paddy. Bacterial Leaf Blight and Bacterial Leaf Streaks are being noticed in the samba paddy due to prevailing weather condition. To control this spray fresh cow dung extract 20% (Dissolve 40 kg of cowdung in 100 litre of water and kept for overnight then supernatant solution is collected from this after that add 100 litre of water then sprayed for 1 acre) twice (Starting from initial appearance of the disease and another at fortnightly interval) or copper hydroxide at 500 g/ac in 200 litre of water. Leaf folder incidence is being noticed in the samba paddy fields due to prevailing weather condition. To manage this, spray Profenophos 400 ml/acre with 200 ltrs of water

KARUR

Crop: Rice, Black gram, Sugarcane, Cotton Stage: Samba: Active tillering stage For samba paddy crop, soil application of *Pseudomonas fluorescens* @ 1kg/acre on 20-30 DAT which should be mixed with 20 kg of FYM. Leaf folder incidence is being noticed in the samba paddy fields due to prevailing weather condition. To manage this, spray Profenophos 400 ml/acre with 200 ltrs of water

Thoothukudi, Virudhnagar

Agromet advisories in relation to the anticipated weather having high cloud cover, light rainfall and high humidity

Crop/ Farming system	Stage / Activities	Advisories
Rainfed Crops	Vegetative stage	In order to reduce or minimize the evaporation loss and to restore the soil moisture, do hoeing, weeding and dust mulching in the cropped field. Since the rainfall is meager in the coming days, apply any organic/ crop residues or tree lopping in between the crop rows as mulch to restore the soil moisture.
Rainfed and Irrigated crops	Vegetative stage	Spray 2 per cent DAP or 1 per cent urea for increasing crop growth if the soil moisture is optimum under rainless days. In the prevailing weather condition, zinc deficiency is noticed in the rainfed as well as the irrigated crops, to rectify, foliar spray of 0.5% zinc sulphate until the disappearance of deficiency symptoms. The optimum soil moisture should be maintained while spraying in case of rainfed crops.
Sorghum, maize	Vegetative stage	As high cloud cover and high humidity is expected in the coming days, stem borer is observed in maize and sorghum. For controlling this pest spray carbaryl 50 WP 1 kg/ha is mixed with 500 l of water.
Cotton	Squaring stage	In the prevailing weather having high cloud cover and high humidity there is incidence of leaf hopper in cotton. For controlling this pest spray imidachloprid 200 SL @ 100 ml/ ha or Fipronil 5% SC @1500-2000 ml/ha.
Pulses	Vegetative stage	In the prevailing weather condition, tobacco caterpillar (<i>Spodoptera litura</i>) is observed in pulses, for controlling this pest, spray imidachloprid 17.8 SL @ 100- 125 ml/ ha or spray insecticides like chlorpyrifos 20 EC @1 lit/ha or neem oil @ 3%.
Chilli	Transplanting	The expected weather having high cloud cover and humidity is conducive for the incidence of thrips in chilli. The affected plants show symptoms of crinkling and upward curling of leaves and elongation of petiole. For controlling this pest spray imidachloprid 17.8 % SL @ 3 ml/ 10 l of water or dimethoate 30% EC@ 1 ml/ lit.
Rainfed Crops	Sowing (delayed onset of monsoon)	As light to moderate rainfall is received in some area in recent past may be sown with cumbu, horsegram, bengalgram, coriander, senna and panivaragu.
	Early vegetative stage	Thinning should be done in early sown crops in order to maintain of the plant population as well as soil moisture.
Rice	Wetseeded Rice and Rice machine transplanting	Farmers are advised to take direct wetseeding and rice machine transplanting method to hasten the sowing/ transplanting in rice area.

SMS: Rain: 23-27.11.16: 7, 0.5, 0.5, 0.5& 5 mm respectively. Pulses-tobacco caterpillar (cut worm) - spray imidachloprid 17.8 SL @ 100- 125 ml/ ha or neem oil @ 3%.

Tirunelveli

Agromet advisories in relation to the anticipated weather having high cloud cover, light rainfall and high humidity

Crop/ Farming system	Stage / Activities	Advisories
Rainfed Crops	Vegetative stage	In order to reduce or minimize the evaporation loss and to restore the soil moisture, do hoeing, weeding and dust mulching in the cropped field. Since the rainfall is meager in the coming days, apply any organic/ crop residues or tree lopping in between the crop rows as mulch to restore the soil moisture.
Rainfed and Irrigated crops	Vegetative stage	Spray 2 per cent DAP or 1 per cent urea for increasing crop growth if the soil moisture is optimum under rainless days. In the prevailing weather condition, zinc deficiency is noticed in the rainfed as well as the irrigated crops, to rectify, foliar spray of 0.5% zinc sulphate until the disappearance of deficiency symptoms. The optimum soil moisture should be maintained while spraying in case of rainfed crops.
Sorghum, maize	Vegetative stage	As high cloud cover and high humidity is expected in the coming days, stem borer is observed in maize and sorghum. For controlling this pest spray carbaryl 50 WP 1 kg/ha is mixed with 500 l of water.
Cotton	Squaring stage	In the prevailing weather having high cloud cover and high humidity there is incidence of leaf hopper in cotton. For controlling this pest spray imidachloprid 200 SL @ 100 ml/ ha or Fipronil 5% SC @1500-2000 ml/ha.
Pulses	Vegetative stage	In the prevailing weather condition, tobacco caterpillar (<i>Spodoptera litura</i>) is observed in pulses, for controlling this pest, spray imidachloprid 17.8 SL @ 100- 125 ml/ ha or spray insecticides like chlorpyrifos 20 EC @1 lit/ha or neem oil @ 3%.
Chilli	Transplanting	The expected weather having high cloud cover and humidity is conducive for the incidence of thrips in chilli. The affected plants show symptoms of crinkling and upward curling of leaves and elongation of petiole. For controlling this pest spray imidachloprid 17.8 % SL @ 3 ml/ 10 l of water or dimethoate 30% EC@ 1 ml/ lit.
Rainfed Crops	Sowing (delayed onset of monsoon)	As light to moderate rainfall is received in some area in recent past may be sown with cumbu, horsegram, bengalgram, coriander, senna and panivaragu.
	Early vegetative stage	Thinning should be done in early sown crops in order to maintain of the plant population as well as soil moisture.
Rice	Wetseeded Rice and Rice machine transplanting	Farmers are advised to take direct wetseeding and rice machine transplanting method to hasten the sowing/ transplanting in rice area.

SMS: Rain: 23, 24 & 27.11.16: 4, 0.5 & 1 mm respectively. Pulses-tobacco caterpillar (cut worm) - spray imidachloprid 17.8 SL @ 100- 125 ml/ ha or neem oil @ 3%.

Coimbatore

Blocks	Sugar cane	Rice	Dry land Crops	Cotton
Thondamuthur	7 months	V	S	S & F
Karamadai	10months	V	S	S & F
Sulur	10months	V	S	S & F
Sultanpet	8 months	V	S	S & F
Pollachi	7 months	V	S	S & F
P.N Palayam	6 months	V	S	S & F
Kinathukadavu	9 months	V	S	S & F
Annur	7 months	V	S	S & F
Madukarai	9 months	V	S	S & F
Annamalai	7 months	V	S	S & F

V- Vegetative; V; S – Sowing ; S & F ; Square and Flowering

Agro Advisory: Low minimum temperature and enough wind speed are anticipated in the forth coming five days. This may induce infection of leaf spot disease in irrigated turmeric. If infection is there, these may be epidemic. Spray carbendazim 500g / ha (or) Mancozeb 1 Kg/ha (or) Copper oxy chloride 1.25 Kg/ha in 500 liters of water.

The anticipated weather especially low minimum temperature may cause powdery mildew in rose. Spray wettable sulphur @ 2g/lit of water.

Since the wind speed is expected to be around 9 KMPH, the mid season planted sugarcane may get lodged. Against this double line propping may be done.

The already planted medium duration samba rice may be in panicle initiation stage. To improve flowering and also setting percentage spray 1% Urea +2% DAP + 1% KCl.

Against low temperature, high calories feed may be given to animals and poultry.

SMS advisory

The already planted medium duration samba rice may be in panicle initiation stage. To improve flowering and also setting percentage spray 1% Urea +2% DAP + 1% KCl.

Erode

Taluks	Sugarcane	Banana	Turmeric	Rice	Cotton
Ammamet	7 months	7 months	Rd	V	S&F
Bhavani	10months	7 months	Rd	V	S&F
Erode	10months	5 months	Rd	V	S&F
Perundurai	8 months	5 months	Rd	V	S&F
Sathyamangalam	7 months	5 months	Rd	V	S&F
Nambiyur	6 months	6 months	Rd	V	S&F
Gobichettipalayam	9 months	7 months	Rd	V	S&F

V- Vegetative; RD – Rhizome development stage, S & F ; Square and Flowering

Agro Advisory

Low minimum temperature and enough wind speed are anticipated in the forth coming five days. This may induce infection of leaf spot disease in irrigated turmeric. If infection is there, these may be epidemic. Spray carbendazim 500g / ha (or) Mancozeb 1 Kg/ha (or) Copper oxy chloride 1.25 Kg/ha in 500 liters of water.

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SMS advisory

The already planted medium duration samba rice may be in panicle initiation stage. To improve flowering and also setting percentage spray 1% Urea +2% DAP + 1% KCl.

Tiruppur

Blocks	Sugar cane	Banana	Rice	Dry land Crops	Cotton	Turmeric
Avinashi	7 months	7 months	V	S	S & F	RD
Kankayam	10months	7 months	V	S	S & F	RD
Madathukulam	10months	5 months	V	S	S & F	RD
Gudimangalam	8 months	5 months	V	S	S & F	RD
Palladam	7 months	5 months	V	S	S & F	RD
Dharapuram	6 months	6 months	V	S	S & F	RD
Udumalpet	9 months	7 months	V	S	S & F	RD

V- Vegetative; S – Sowing ; RD – Rhizome development stage, S & F ; Square and Flowering

Agro Advisory

Low minimum temperature and enough wind speed are anticipated in the forth coming five days. This may induce infection of leaf spot disease in irrigated turmeric. If infection is there, these may be epidemic. Spray carbendazim 500g / ha (or) Mancozeb 1 Kg/ha (or) Copper oxy chloride 1.25 Kg/ha in 500 liters of water.

The anticipated weather especially low minimum temperature may cause powdery mildew in rose. Spray wettable sulphur @ 2g/lit of water. Since the wind speed is expected to be around 9 KMPH, the mid season planted sugarcane may get lodged. Against this double line propping may be done. The

already planted medium duration samba rice may be in panicle initiation stage. To improve flowering and also setting percentage spray 1% Urea +2% DAP + 1% KCl. Against low temperature, high calories feed may be given to animals and poultry.

SMS advisory

The already planted medium duration samba rice may be in panicle initiation stage. To improve flowering and also setting percentage spray 1% Urea +2% DAP + 1% KCl

Nilgiris

Agro meteorological advisory: No rainfall is expected in the district for next five days. In Ginger crop, by applying green leaf mulch around the crop on planting, 60th and 120 days after planting, yield can be increased. In hill horticultural crops, root grub infestation is found widespread. To control, apply entomopathogenic fungus *Beauveria* and *Metarrhizium* @ kg per acre along with well decomposed organic manure. Treating field beans seeds with *Rhizobium* biofertilizer while sowing will enhance nitrogen fixation in soil with additional yield. Production and use of Panchagavya and Dasagavya in farm level could be adopted for better yields and to control cost of crop production. Spraying PPFM @ 8 ml per litre of water and applying 8 kg VAM fungus at the time showing will save the crop during drought periods.

Karaikal

Weather based Agro-Advisories : To control leaf folder in rice, release *Trichogramma chilonis* @ 5 cc (1,00,000/ha) thrice at 37, 44 and 51 days after planting or Azadirachtin 0.03% 1000 ml/ha or Acephate 75% SP @ 666-1000 g/ha. Avoid application of excessive nitrogenous fertilizers. 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 blast in rice apply Carbendazim 50 WP or Tricyclozole 75 WP or Metominostrobin 20 SC or Azoxystrobin 25 SC @ one gram or one ml in one litre of water.

Pondicherry

Weather based Agro-Advisories: To control mealy bug in rice spray Buprofezin 25 SC @ 800 ml/ha or Thiamethoxam 20 WG @ 100 g/ha. As a prophylactic measure to manage diseases in rice foliar spray of *Pseudomonas fluorescens* @ 0.5% (5 g / ml per litre) may be done commencing from 45 DAT at 10 days interval for 3 times. To control rice stem borer, spray CartapHydrochloride 50 % SP @ 1000 g/ha or Phosphamidon 40% SL @ 1250 ml/ha. To control leaf folder in rice, release *Trichogramma chilonis* @ 5 cc (1,00,000/ha) thrice at 37, 44 and 51 days after planting or Azadirachtin 0.03% 1000 ml/ha or Acephate 75% SP @ 666-1000 g/ha. Avoid application of excessive nitrogenous fertilizers.

Salem , Namakkal, Dharmapuri and Krishnagiri

A) Special Weather Advisory Bulletin for Poultry Farming: For next three days, the sky will be intermittently cloudy with less chance of rainfall. Maximum and minimum temperature will be around 35.0°C (95.0°F) and 22.0°C (71.6°F) respectively. Wind speed will be around 4 km/hour, mostly from southeast direction. Relative humidity will be in the range of 40 - 68%.

1. Northeast monsoon rainfall activity continues to remain subdued. However, day and night temperatures remain favourable for feed intake, egg production and egg shell quality in poultry. Care should be taken on feed quality and water usage. Further, as the usage of soyabean meal is increasing, test and ensure its quality before use.

B) Special Agroadvisory from Krishi Vigyan Kendra, Namakkal:

2. To improve drought resistance in ground nut, green gram, black gram, red gram and cotton crop, PPFM (Pink Pigmented Facultative Methylophilic) methylo bacterium solution (5-10ml/liter of water) can be applied as foliar spray.

Dindigul

Imp. Crops: Cotton, Maize, Vegetables Stage: Cotton, Maize: Vegetative period Since there is no rainfall for the forthcoming days. Depending upon the local weather • During prevailing slight cloudy weather the incidence of white fly / sucking pests in • Cotton growers are advised to apply 25 kgs of Magnesium Sulphate per acre. •condition, farmers can plan for the irrigation for the garden land crops. cotton and other vegetable crops, to control this, farmers are advised to use, 'Yellow Due to moderate humid conditions mastitis disease may affect the milch animals.Clean •Sticky trap' - 10 traps per acre. the udder with 1% potassium permanganate solution, before and after milking.

Madurai

Since there is no symptom of rainfall during the forthcoming days. Depending upon the local •Imp. Crops: Paddy, Vegetables, Flowers and Sugarcane To control the brown spot disease in paddy, it is recommended to spray 5gm of pseudomonas •weather condition, farmers can plan for the irrigation for the garden land crops. Due to this humid condition, incidence of internode borer may affect the sugarcane crops, to •per litre of water or 2.5gms of dithane M45 per 10 litres of water. In this prevailing weather condition, due to low humidity mastitis disease may affect the •control this farmers are advised to tie 3 cc of Trichogramma parasitoids per acre in their field. milch animals. Clean the udder with 1% potassium permanganate solution, before and after milking.

Pudukottai

To control the brown spot disease in paddy, it is recommended to spray 5gm of •Imp. Crops: Rice and Sugarcane Due to this humid condition, incidence of internode borer may affect the sugarcane •pseudomonas per litre of water or 2.5gms of dithane M45 per 10 litres of water. crops, to control this farmers are advised to tie 3 cc of Trichogramma parasitoids per acre Leaf mite incidence is being noticed in the paddy fields due to prevailing weather condition. To •in their field. manage this, spray Dicofol @ 500 ml/ acre or wettable sulphur @ 400 g/ acre with 200 liter of Stem borer incidence is noticed in paddy crop. Hence farmers are advised to spray any one •water. of the following Quinalphos 25 EC 1000 ml/ha (or) Phosphamidon 40 SL 600 ml/ha (or) Due to moderate humid

conditions mastitis disease may affect the milch animals. Clean the udder with 1% potassium permanganate solution, before and after milking

Ramanathapuram

Imp. Crops: Paddy, Cotton During prevailing cloudy weather the incidence of white fly / sucking pests in cotton and other vegetable crops, to control this, farmers are advised to use, 'Yellow Sticky trap' - 10 traps per acre. Due to increasing humidity the mastitis disease may affect the milch animals. Clean the udder with 1% potassium permanganate solution, before and after milking.

Sivagangai

To control the brown spot disease in paddy, it is recommended to spray 5gm of pseudomonas per litre of water or 2.5gms of dithane M45 per 10 litres of water. vegetable crops, to control this, spray Imidachloprid 100 ml/ha. or It is recommended Due to the humid weather conditions mastitis disease may affect the milch animals. Clean the udder with 1% potassium permanganate solution, before and after milking

Theni

Maize growing farmers are advised to apply micro nutrients like Zinc sulphate 10kg per acre or Millet mixture 5 kg per acre. During prevailing slight cloudy weather the incidence of white fly in cotton crop, for controlling control this farmers are advised to tie 3 cc of Trichogramma parasitoids per acre in their field. Due to cool weather conditions mastitis disease may affect the milch animals. Clean the udder with this spray Imidachloprid 100 ml/ha. 1% potassium permanganate solution, before and after milking.

Kanyakumari

1. As rainy weather is expected in the coming days strengthening the basins of tree spices has to be carried out to conserve moisture.
2. Pepper: The growing vines may be tied to the standard and trained properly.
3. Cinnamon: Spray 0.25% copper oxy chloride to control the leaf spot in cinnamon.

4. Banana: Spray carbendazim 1g /litre mixed with wetting agent to control the leaf spot disease in banana.
5. Rubber: Fix a polythene rain guard to the trunk of the tree above tapping panel. So that tapping is done during rainy season also.

SMS Advisory

Rubber: Fix a polythene rain guard to the trunk of the tree above tapping panel. So that tapping is done during rainy season also.

