



जिला स्तरतमिलनाडुके लिएकृषि मौसमसलाहकारबुलेटिन

DISTRICT LEVEL

Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 064/2016

For the period 0830 IST, 09th Aug 2016 to

0830 IST, 12th Aug 2016

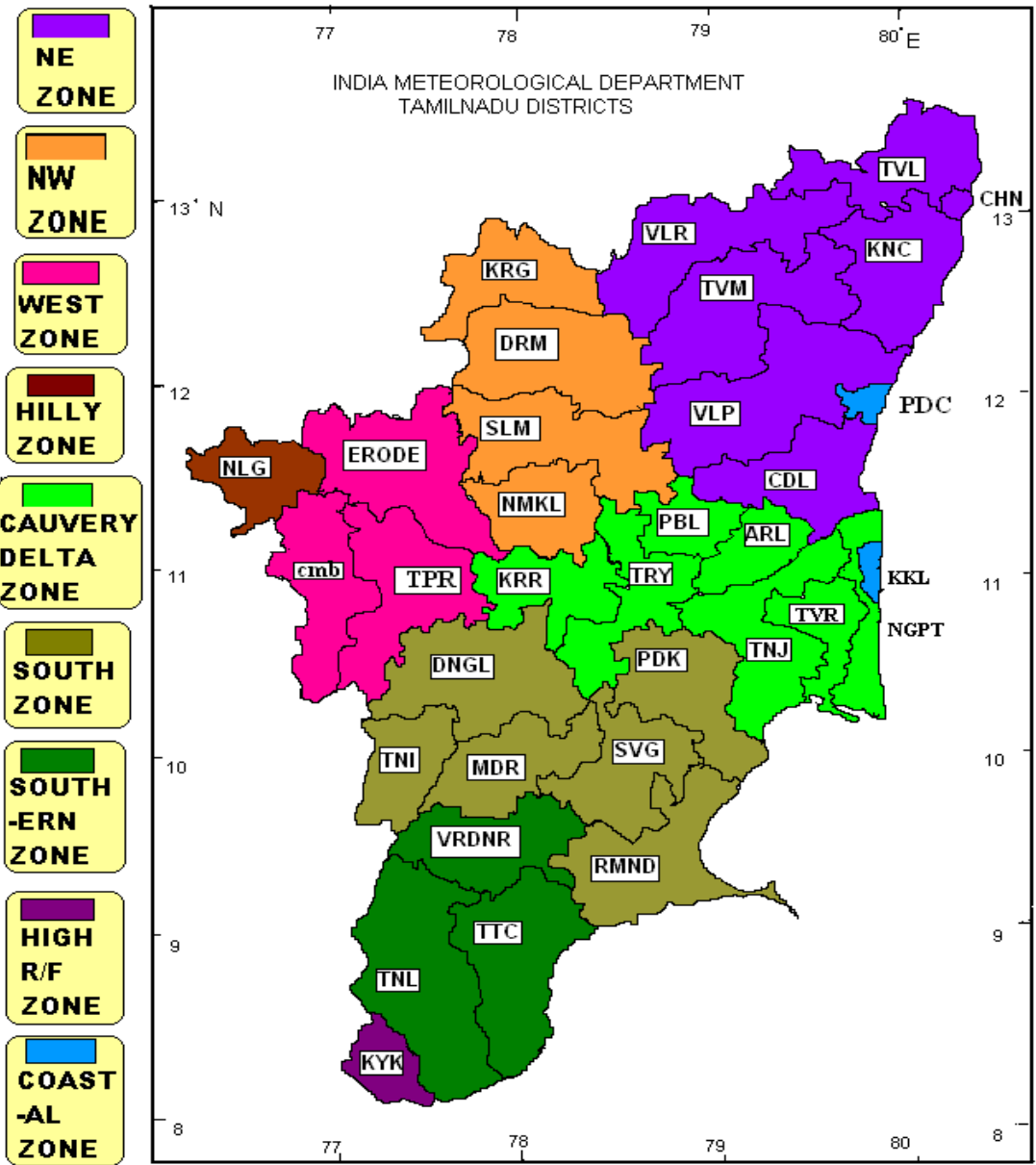
Issued on Tuesday, 09th Aug 2016

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 05.08.16 to 08.08.16 for the
State of Tamilnadu & Puducherry**

Temperature:

Maximum Temperature of range 31° C – 39° C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 15°C – 19 °C during the period.

Minimum temperature of range 22°C - 29°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)	--	--
Isolated (Isolated Places)	05.08.16, 06.08.16, 07.08.16 & 08.08.16	Tamilnadu
Dry	05.08.16, 06.08.16, 07.08.16 & 08.08.16	Poducherry

Chief Amounts of Rainfall

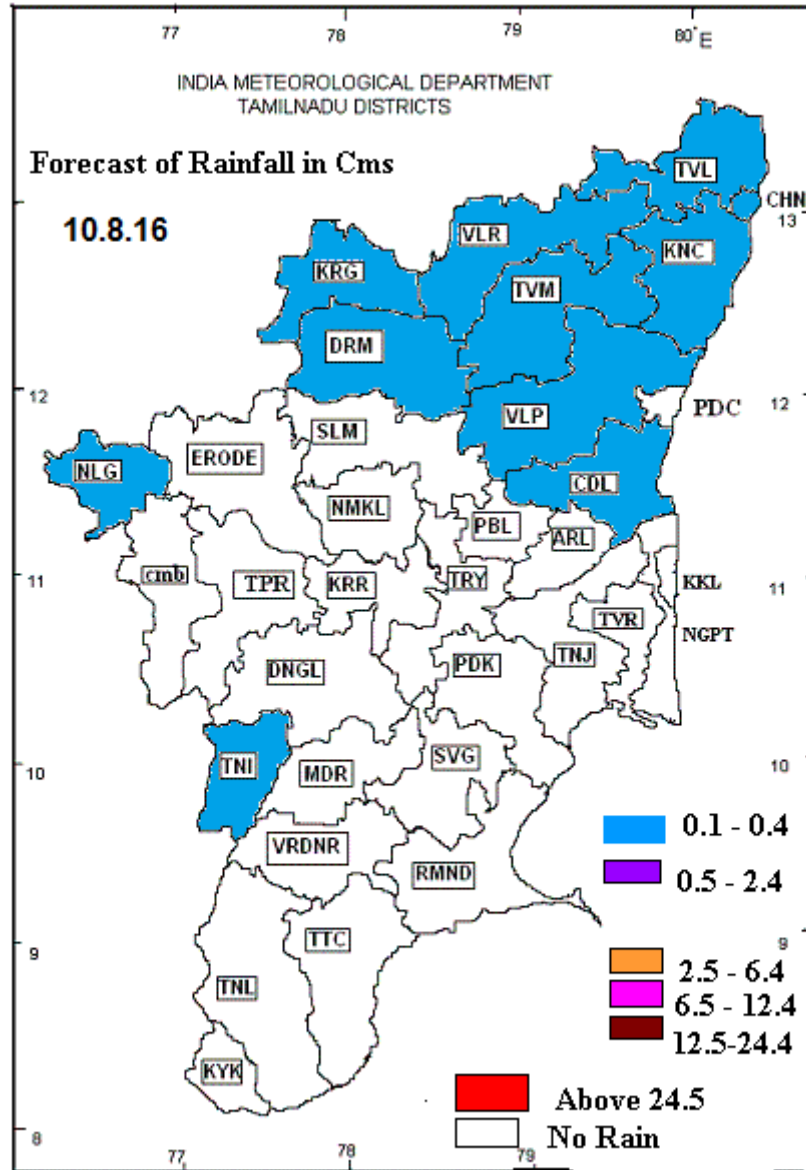
05.08.16 : Valparai pto (Coimbatore Dist), Naduvattam (Nilgiris Dist) 2 each, Periyar (Theni Dist), G Bazar (Nilgiris Dist), Valparai taluk office (Coimbatore Dist), Pollachi (Coimbatore Dist) 1 each

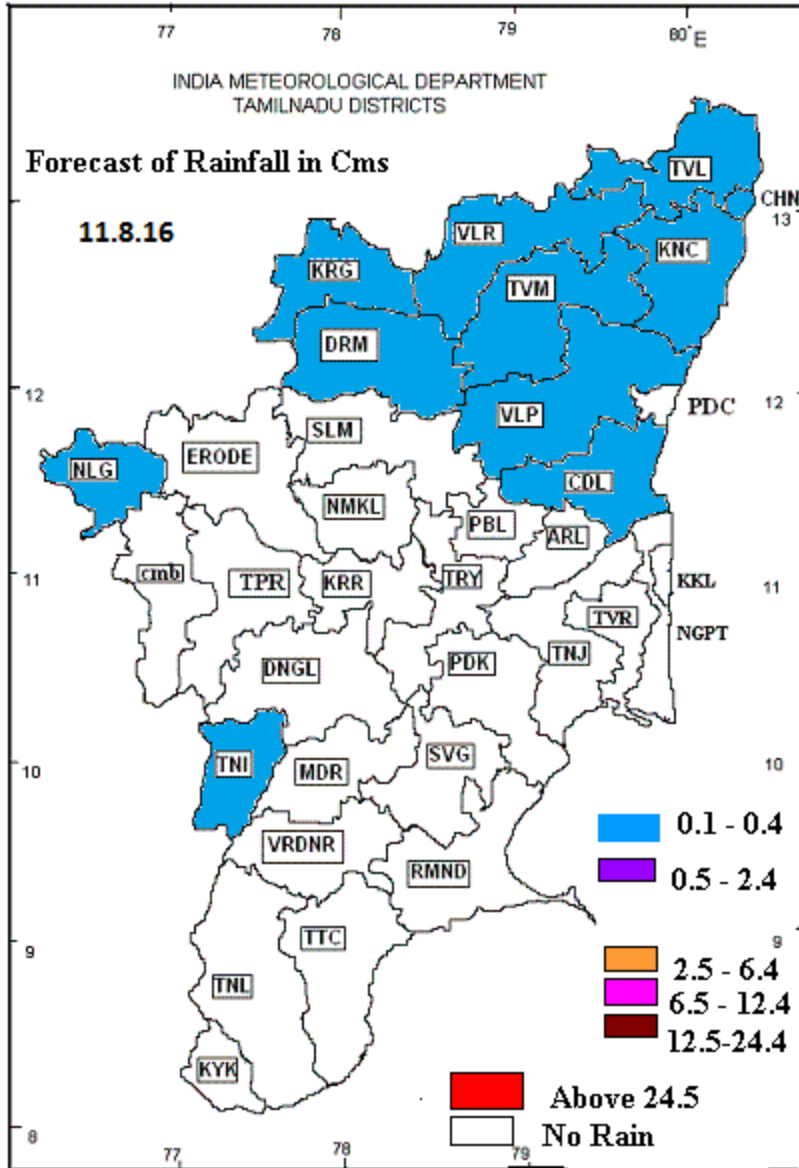
06.08.16 : TAMIL NADU: Devala (Nilgiris Dist), Pollachi (Coimbatore Dist), Chinnakalar (Coimbatore Dist), Naduvattam (Nilgiris Dist), Valparai pto (Coimbatore Dist) 1 each

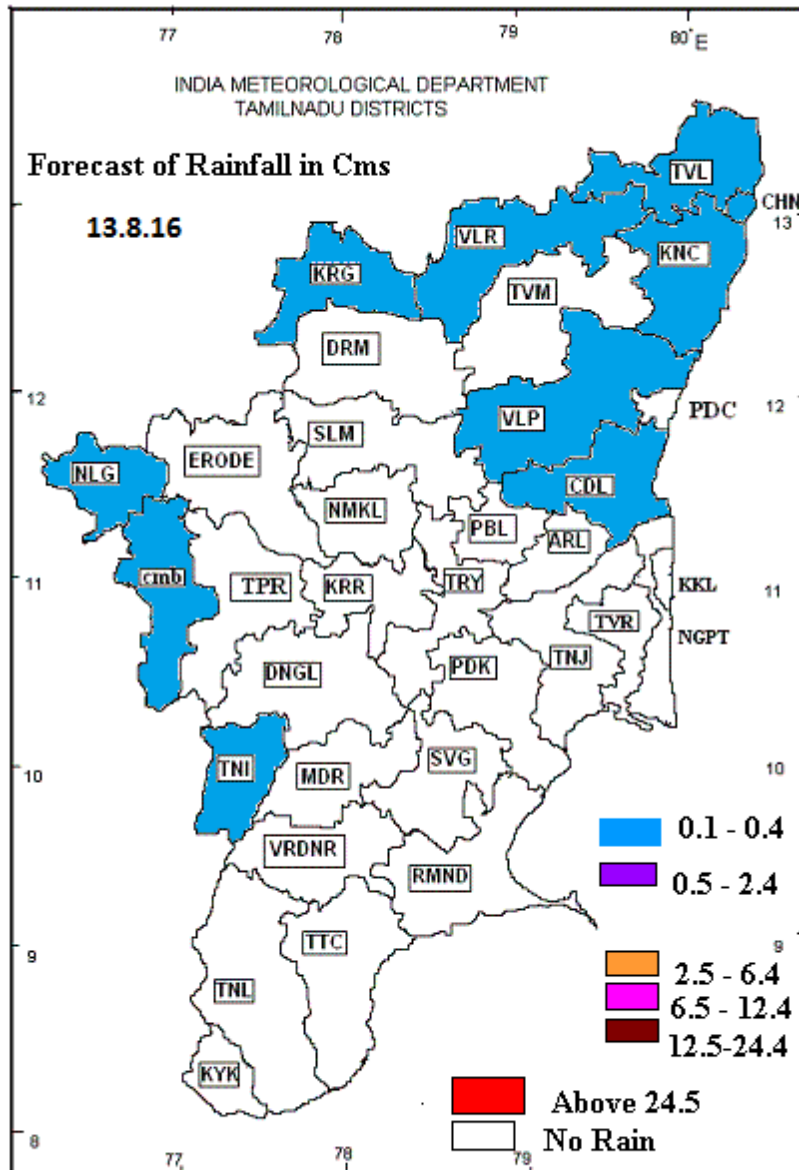
07.08.16 : Valparai pto (Coimbatore Dist), Chinnakalar (Coimbatore Dist) 1 each.

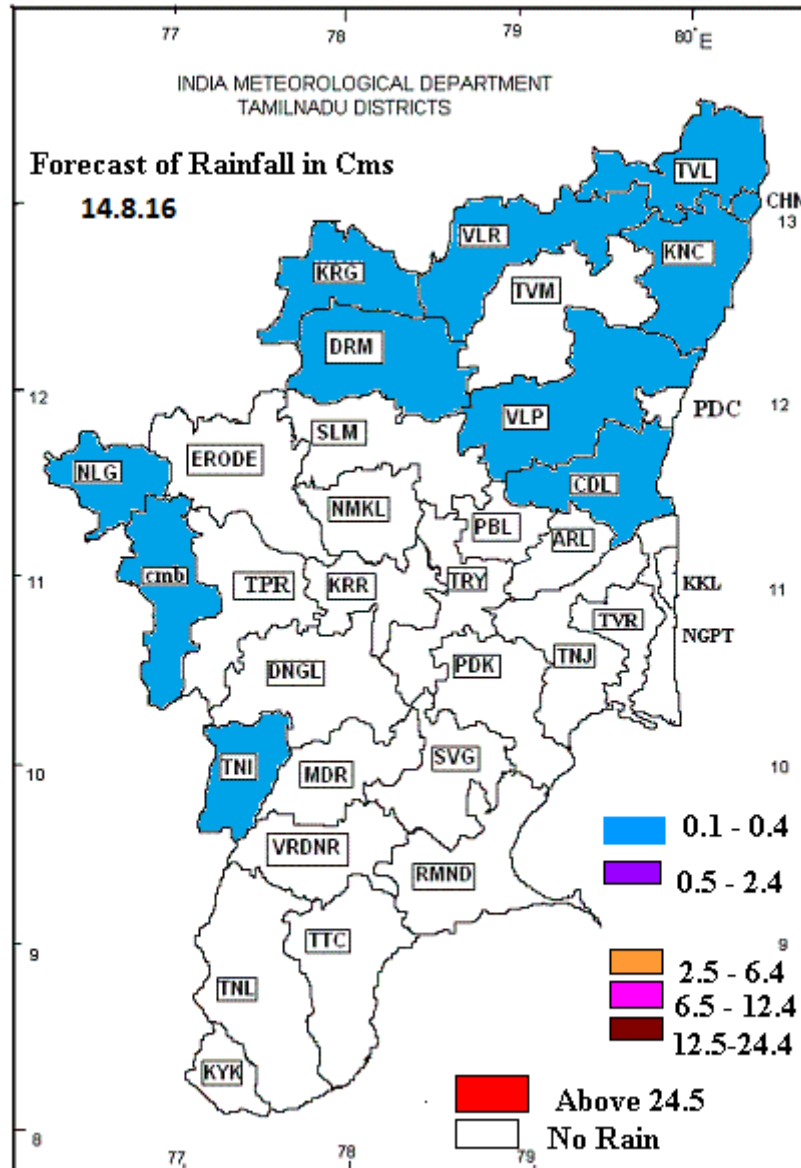
08.08.16 : Karaikudi (Sivaganga Dist), Alangudi (Pudukkottai Dist) 2 each, Sirkali (Nagapattinam Dist), Chinnakalar (Coimbatore Dist), Anaikaranchatram (KolliDam (Nagapattinam Dist), Thiruvalangadu (Tiruvallur Dist), Devakottai (Sivaganga Dist), Valparai pto (Coimbatore Dist), Pollachi (Coimbatore Dist) 1 each.

**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 09.08.2016
VALID FOR THE NEXT 5 DAYS**









Districtwise Agromet Advisories

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

Livestock:

1. Light rainfall may be expected for next five days.
2. Feeders should be raised in poultry shed between 10 am to 5 pm; provide mineral mixture and B-complex vitamins in drinking water to avoid heat stroke.
3. During hot part of the day dairy cows should be showered with water to reduce heat stress and to sustain milk production.
4. To control fluke infestation, Animal should not be allowed to graze near ponds and lakes.
5. Farmers are advised to vaccinate their cattle, sheep and goats against anthrax disease in the endemic areas by consulting with local Veterinary Dispensary.
6. Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals
7. Sheep and goats should be dewormed by using suitable anthelmintic by consulting with local veterinary doctor.
8. 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

1. To control the incidence of sucking pest in the vegetable crops farmer are advised to spray neem seed kernal extract 5 percent.
2. Wedding Operation can be carried out in groundnut crops.
3. 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.

Kanyakumari

AGRO ADVISORIES

There is no rainfall during forth coming five days.

As heavy winds are expected staking should be given to banana trees.
Irrigation should be given for newly planted seedlings.
Irrigate the paddy field to a depth of 5 cm after disappearance of ponded water.

SMS Advisory

There is no rainfall during forth coming five days.

As heavy winds are expected staking should be given to banana trees.

DINDIGUL

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

- Weeding operation should be carried out in groundnut crops.!
- Since the wind speed is more than 22 KMPH, propping may be given to five months and old banana.!
- In the sugarcane crops spray potash and urea each at 2.5% level during moisture stress (water shortage) period at 15 days interval.!
- Avoid feeding of wet dry fodders to the animals which will prevent detrimental effect caused by aflatoxin and other micotoxin.!

MADURAI

Imp. Crops: Rice and Sugarcane

- Drain the excess water from the paddy fields leaving thin film of water.!
- Since the wind speed is more than 22 KMPH, propping may be given to five months and old banana.!
- 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.!
- Due to low temperature animal may avoid intake of water. Keep watching and provide adequate amount of good drinking water.!

Pudukottai

Imp. Crops: Rice, Maize, Groundnut and Sugarcane

- Drain the excess water from the paddy fields leaving thin film of water.!

- Since the wind speed is more than 22 KMPH, propping may be given to five months and old banana.!
- 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.!
- Due to low temperature animal may avoid intake of water. Keep watching and provide adequate amount of good drinking water.!

Ramanathapuram

Imp. Crops: Groundnut and Sugarcane

- Weeding operation should be carried out in groundnut crops.!
- In the sugarcane crops spray potash and urea each at 2.5% level during moisture stress (water shortage) period at 15 days interval.!
- Avoid feeding of wet dry fodders to the animals which will prevent detrimental effect caused by aflatoxin and other micotoxin.!

Sivagangai

Imp. Crops: Groundnut and Sugarcane

- Weeding operation should be carried out in groundnut crops.!
- Since the wind speed is more than 22 KMPH, propping may be given to five months and old banana.!
- In the sugarcane crops spray potash and urea each at 2.5% level during moisture stress (water shortage) period at 15 days interval.!
- Avoid feeding of wet dry fodders to the animals which will prevent detrimental effect caused by aflatoxin and other micotoxin.!

Theni

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

- Drain the excess water from the paddy fields leaving thin film of water.!
- 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.!

Due to low temperature animal may avoid intake of water. Keep watching and provide adequate amount of good drinking water.!

Puducherry

To manage bunchy top in banana, inject Monocrotophos 36 WSC @ 1 ml solution/ plant (i.e. 1 ml diluted in 4 ml of water) at 45 days interval from the 3rd month to till flowering is very effective using banana injector. Avoid injection of Monocrotophos after flowering.

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 manage leaf folder and stem borer in paddy spray CartapHydrochloride 50 % SP @

1 kg/ha or Chlorantraniliprole 18.5% SC @ 150 ml/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.

Salem, Namakkal, Dharmapuri & Krishnagiri

Though there will be chance of mild heat stress in poultry, egg production will not be altered by the weather conditions. Feed intake will be normal or slightly less. However, care should be taken on the quality of feed ingredients to control any further reduction in feed intake. Test feed ingredients for mycotoxin before use and ensure mycotoxin in the resulting feed is not more than 20 ppb.

A) Special Agroadvisory from Krishi Vigyan Kendra, Namakkal:

Due to climate change, rhizome rot may occur in Turmeric crop at two leaves stage. To control the rot, spray *Pseudomonas* and *T. viride* @ 2g/liter of water or *Propiconozal* @ 2g/liter of water.

Coimbatore

Blocks	Sug ar can e	Banana	Vegeta bles (Tomat o, Bhendi , Brinjal)	Ric e	Sesa me	Sorgh um	Turm eric	Irrigate d bajra
Thonda muthur	V	6-9 months	V-P	Pi	F	V	LP	S
Karamad ai	V	6-9 months	V-P	Pi	F	V	LP	S
Sulur	V	6-9 months	V-P	Pi	F	V	LP	S
Sultanpe t	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
Kinathuk adavu	V	6-9 months	V-P	Pi	F	V	LP	S

Annur	V	6-9 months	V-P	Pi	F	V	LP	S
Madukar ai	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

- ✓ Prepare inputs for sowing irrigated winter Combodia cotton on 15th August, considering the anticipated weather
- ✓ Since the anticipated temperature is more than 32°C, provide enough drinking water to both dairy and work animals and as well as to poultry birds
- ✓ Budworm would infect Malligai flower buds under anticipated dry weather, spray 2 ml of monochrotophos dissolved in one litre of water either in the morning or in the evening. Enough soil moisture must be available.
- ✓ Groundnut sown in drylands may face soil moisture stress at Pollachi taluk of Coimbatore district. Provide dust mulching to conserve subsurface soil moisture.

SMS advisory

- ✓ Prepare inputs for sowing irrigated winter Combodia cotton on 15th August, considering the anticipated weather

Erode

Taluks	Sug ar can e	Bana na	Vegeta bles (Tomat o, Bhendi, Brinjal	Ri ce	Sesa me	Sorgh um	Turm eric	Irriga ted bajra
Ammapet	V	6-9 mont hs	V-P	Pi	F	V	LP	S
Bhavani	V	6-9 mont hs	V-P	Pi	F	V	LP	S
Erode	V	6-9 mont hs	V-P	Pi	F	V	LP	S
Perundurair	V	6-9 mont hs	V-P	Pi	F	V	LP	S
Sathyamang alam	V	6-9 mont hs	V-P	Pi	F	V	LP	S
Nambiyur	V	6-9 mont hs	V-P	Pi	F	V	LP	S

Gobichettipalayam	V	6-9 months	V-P	Pi	F	V	LP	S
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V- Vegetative; V- P - Vegetative & Picking; Pi - Panicle initiation; F - Flowering; LP - Land preparation; S - Sowing

Agro Advisory

- ✓ Prepare inputs for sowing irrigated winter Combodia cotton on 15th August, considering the anticipated weather
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SMS advisory

- ✓ Prepare inputs for sowing irrigated winter Combodia cotton on 15th August, considering the anticipated weather

Tiruppur

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

ü Prepare inputs for sowing irrigated winter Combodia cotton on 15th August,

considering the anticipated weather

ü Since the anticipated temperature is more than 32°C, provide enough drinking

water to both dairy and work animals and as well as to poultry birds

ü Budworm would infect Malligai flower buds under anticipated dry weather, spray 2

ml of monochrotophos dissolved in one litre of water either in the morning or in the

evening. Enough soil moisture must be available.

SMS advisory

ü Prepare inputs for sowing irrigated winter Combodia cotton on 15th August, considering the anticipated weather

Nilagiris

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

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

In cabbage crop, to avoid root knot nematode infestation, follow the seed treatment with

10 grams of Paciliomyces, 10 grams of Trichoderma and 10 grams of Pseudomonas per kg of seed.

In potato crop, apply 50 kg Urea, 266 kg super phosphate and 40 kgs of potash at the time of sowing as basal and 30 days after sowing as top dressing. To prevent lichen growth on fruit trees, dissolve one kg of shell lime in one litre of water and paint on the tree bark.

While planting Banana suckers, apply 10 kg compost, 250 g Neem cake, 25 g Trichoderma and 25 g Pseudomonas per pit.

Thoothukudi

Crop/ Farming system	Stage / Activities	Advisories
Rice	Vegetative stage	<p>As moderate to high cloud cover, wind speed, moderate humidity and dry weather expected in the coming day, In Rice stem borer incidence is observed,</p> <p>To control:</p> <p>ETL: 25% Dead heart symptoms</p> <p>ATL (Action Threshold Level): 2 egg masses/m²</p> <ul style="list-style-type: none"> • At ATL release egg parasitoid, <i>Trichogramma japonicum</i> for the management of the rice yellow stem borer • Spraying of neem seed kernel extract <p>Spray any one of the following insecticides</p> <ul style="list-style-type: none"> • Phosalone 35 EC 1500 ml/ha (or) • Chlorpyrifos 20% EC 1.25 l/ha.
Brinjal	Fruiting stage	As moderate to high cloud cover, wind speed, moderate humidity and dry weather is expected

		<p>in the coming days, fruit borer incidence is noticed in brinjal,</p> <p>To control fruit borer</p> <ul style="list-style-type: none"> • Set up pheromone trap @ 12 / ha. • Collect and destroy affected fruits. • Release egg parasite <i>Trichogramma chilonis</i> @ 1.0 lakh / ha. • Spray any systemic insecticide like Prophenophos 1000 ml/ ha or Chlorantraniliprole (corogen) 150 ml/ ha.
Bhendi	Fruiting stage	<p>As high cloud cover and moderate humidity is forecasted in the coming days. Leaf hopper is noticed in bhendi.</p> <p>To control leaf hopper</p> <ul style="list-style-type: none"> • Spray monocrotophos 36% WSC @ 2 ml/ l. (or) dimethoate 30% @ 2 ml / l.
Garden land crops	Irrigation management	<p>For the prevailing high wind speed and dry weather plant desiccation may occur give irrigation to mitigate the waterlessness.</p>
Banana	Bunch development stage	<p>For preventing the damage due to more wind speed give support to banana by using casuarina poles.</p>

SMS: No rain. Rice - stem borer - Spray Phosalone 35 EC 1500 ml/ ha (or) Chlorpyriphos 20% EC 1.25 l/ha.

Tirunelveli

Crop/ Farming system	Stage / Activities	Advisories
Rice	Vegetative stage	<p>As moderate to high cloud cover, wind speed, moderate humidity and dry weather expected in the coming day, In Rice stem borer incidence is observed,</p> <p>To control:</p> <p>ETL: 25% Dead heart symptoms</p> <p>ATL (Action Threshold Level): 2 egg masses/m²</p> <ul style="list-style-type: none"> • At ATL release egg parasitoid, <i>Trichogramma japonicum</i> for the management of the rice yellow stem borer • Spraying of neem seed kernel extract <p>Spray any one of the following insecticides</p> <ul style="list-style-type: none"> • Phosalone 35 EC 1500 ml/ha (or) • Chlorpyriphos 20% EC 1.25 l/ha.
Brinjal	Fruiting stage	<p>As moderate to high cloud cover, wind speed, moderate humidity and dry weather is expected in the coming days, fruit borer incidence is</p>

		<p>noticed in brinjal,</p> <p>To control fruit borer</p> <ul style="list-style-type: none"> • Set up pheromone trap @ 12 / ha. • Collect and destroy affected fruits. • Release egg parasite <i>Trichogramma chilonis</i> @ 1.0 lakh / ha. • Spray any systemic insecticide like Prophenophos 1000 ml/ ha or Chlorantraniliprole (corogen) 150 ml/ ha.
Bhendi	Fruiting stage	<p>As high cloud cover and moderate humidity is forecasted in the coming days. Leaf hopper is noticed in bhendi.</p> <p>To control leaf hopper</p> <ul style="list-style-type: none"> • Spray monocrotophos 36% WSC @ 2 ml/ l. (or) dimethoate 30% @ 2 ml / l.
Garden land crops	Irrigation management	For the prevailing dry weather plant desiccation may occur give irrigation to mitigate the waterlessness.

SMS: No rain. Rice - stem borer - Spray Phosalone 35 EC 1500 ml/ ha (or) Chlorpyriphos 20% EC 1.25 l/ha.

Virudhunagar

Crop/ Farming	Stage / Activities	Advisories
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system		
Brinjal	Fruiting stage	<p>As moderate to high cloud cover, wind speed, moderate humidity and dry weather is expected in the coming days, fruit borer incidence is noticed in brinjal,</p> <p>To control fruit borer</p> <ul style="list-style-type: none"> • Set up pheromone trap @ 12 / ha. • Collect and destroy affected fruits. • Release egg parasite <i>Trichogramma chilonis</i> @ 1.0 lakh / ha. • Spray any systemic insecticide like Prophenophos 1000 ml/ ha or Chlorantraniliprole (corogen) 150 ml/ ha.
Bhendi	Fruiting stage	<p>As high cloud cover and moderate humidity is forecasted in the coming days. Leaf hopper is noticed in bhendi.</p> <p>To control leaf hopper</p> <ul style="list-style-type: none"> • Spray monocrotophos 36% WSC @ 2 ml/ l. (or) dimethoate 30% @ 2 ml / l.
Garden land crops	Irrigation managment	<p>For the prevailing high wind speed and dry weather plant desiccation may occur give irrigation to mitigate the waterlessness.</p>

SMS: No rain. Bhendi - Leaf hopper - Spray monocrotophos 36% WSC @ 2 ml/ l. (or) dimethoate 30% @ 2 ml / l.

Ariyalur

Crop: Rice, Black gram, Sugarcane, Cotton

Stage: Kuruvai - Panicle initiation stage; Samba: Land preparation and sowing

- _ At active tillering stage of Kuruvai paddy, top dressing can be done with 25 kg urea and 10 kg MOP/acre by keeping thin film of water in the field.
- _ Rice varieties CR 1009 and ADT 50 are suitable for samba season in 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 fluorescense* 10g/kg of seed before sowing. Seed treatment increase seed germination, seedling vigour and controls the seed borne infection.

Karur

Crop: Rice, Black gram, Sugarcane, Cotton

Stage: Samba: Land preparation and sowing

- _ Rice varieties CR 1009 and ADT 50 are suitable for samba season in 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 fluorescense* 10g/kg of seed before sowing. Seed treatment increase seed germination, seedling vigour and controls the seed borne infection

Nagapattanam

Weather based Agro-Advisories

Crop: Rice, Black gram, Sugarcane, Cotton

Stage: Kuruvai - Panicle initiation stage; Samba: Land preparation and sowing

- _ At active tillering stage of Kuruvai paddy, top dressing can be done with 25 kg urea and 10 kg MOP/acre by keeping thin film of water in the field.
- _ Rice varieties CR 1009 and ADT 50 are suitable for samba season in 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 fluorescense* 10g/kg of seed before sowing. Seed treatment increase seed germination, seedling vigour and controls the seed borne infection

PERAMBALUR, THANJAVUR, TIRUVARUR, THIRUCHIRAPALLI

Crop: Rice, Black gram, Sugarcane, Cotton

Stage: Kuruvai - Panicle initiation stage; Samba: Land preparation and sowing

- _ At active tillering stage of Kuruvai paddy, top dressing can be done with 25 kg urea and 10 kg MOP/acre by keeping thin film of water in the field.
- _ Rice varieties CR 1009 and ADT 50 are suitable for samba season in 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 fluorescense* 10g/kg of seed before sowing. Seed treatment increase seed germination, seedling vigour and controls the seed borne infection.

