

तमिलनाडु के लिए राज्य स्तरीय समग्र कृषि-मौसम परामर्श बुलेटिन



State Composite Agro-meteorological Advisory Bulletin for Tamil Nadu and Puducherry Bulletin No. 037/2024

For the period 0830 IST, 07th May 2024 to

0830 IST, 12th May 2024

Issued on Tuesday, 07th May 2024

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, Tiruppur and Coimbatore,	Coimbatore,
4	Cauvery Delta zone	Thanjavur, Nagapattinam, Tiruvarur, Karur, Perambalur, Ariyalur and Tiruchirapalli.	Adudurai
5	Southern zone	Virudhunagar, Tirunelveli and Thoothukudi	Kovilpatti
6	South Zone	Pudukkottai, 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 03.05.24 to 06.05.24 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range 35°C – 44°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 23°C – 29°C during the period.

Minimum temperature of range 21°C - 31°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 15°C - 16°C during the same period.

Spatial distribution of Rainfall

Spatial distribution of Rainfall	Tamil Nadu	Puducherry
Widespread (Most places)	--	--
Fairly widespread (Many places)	--	--
Scattered (Few Places)	--	--
Isolated (One or Two Places)	03.05.24 to 06.05.24	--
Dry	--	03.05.24 to 06.05.24

Chief Amounts of Rainfall (in cms):-

03.05.24 : Palacode (dist Dharmapuri), Marandahalli (dist Dharmapuri), Barur (dist Krishnagiri), Melalathur (dist Vellore), Paiyur AWS (dist Krishnagiri), Palacode ARG (dist Dharmapuri) 1

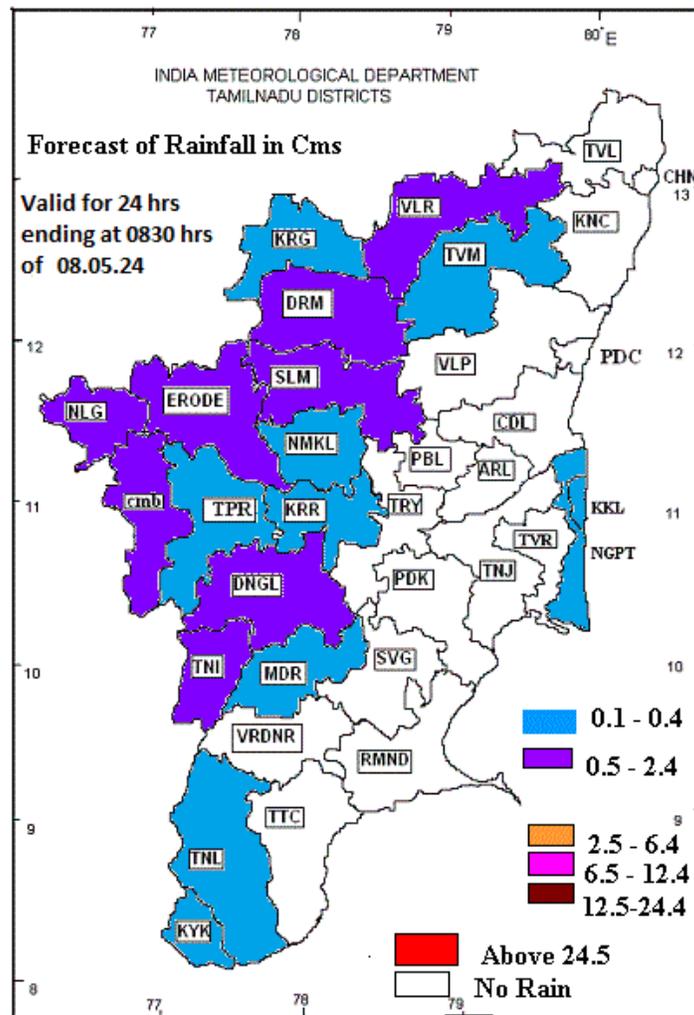
04.05.24 : Glenmorgan (dist The Nilgiris) 3, Shanthi Vijaya School (dist The Nilgiris) 2, Denkanikottai (dist Krishnagiri), Ranipettai, Jamunamarathur (dist Tiruvannamalai) 1 each.

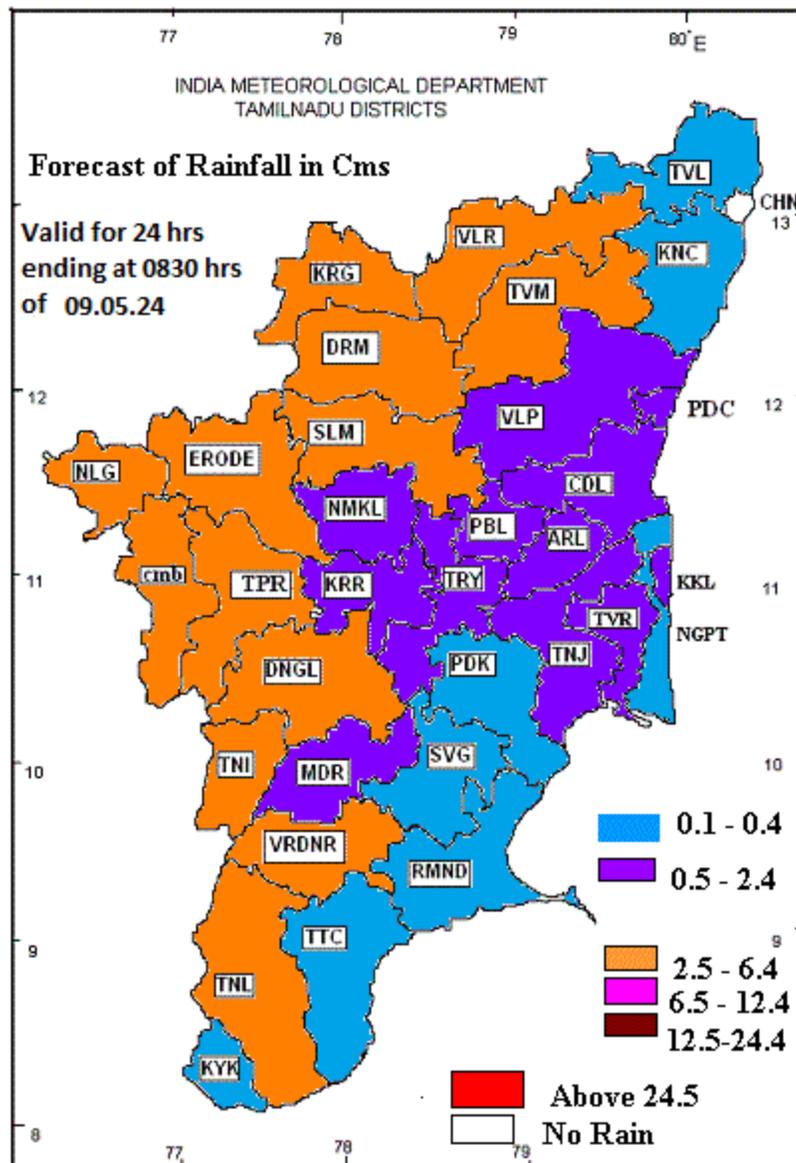
05.05.24 : Pennagaram (dist Dharmapuri), Adar Estate (dist The Nilgiris) 5 each, Alakarai Estate (dist The Nilgiris) 4, Thalavadi (dist Erode), Dharmapuri PTO (dist Dharmapuri), Coonoor PTO (dist The Nilgiris), Uthagamandalam (dist The Nilgiris), Hogenekal (dist Dharmapuri) 3 each, Coonoor (dist The Nilgiris), Chamraj Estate (dist The Nilgiris), Dharamapuri (dist Dharmapuri), Ketti (dist The Nilgiris), Mettur (dist Salem), Palacode (dist Dharmapuri), Katpadi (dist Vellore), Kunderipallam (dist Erode), Kodanad (dist The Nilgiris),), Palacode ARG (dist Dharmapuri) 2 each, Ponnai Dam (dist Vellore), Emeraldad (dist The Nilgiris), Billimalai Estate (dist The Nilgiris), TCS Mill Kethandapatti (dist Tirupathur), Yercaud (dist Salem), Vellore (dist Vellore), Burliar (dist The Nilgiris), Avalanche (dist The Nilgiris), Kunda Bridge (dist The Nilgiris), Ammundi (dist Vellore), Polur (dist Tiruvannamalai), Shanthi Vijaya School (dist The Nilgiris), Kothagiri (dist The Nilgiris), Mettupalayam (dist Coimbatore), Jambukuttapatti (dist

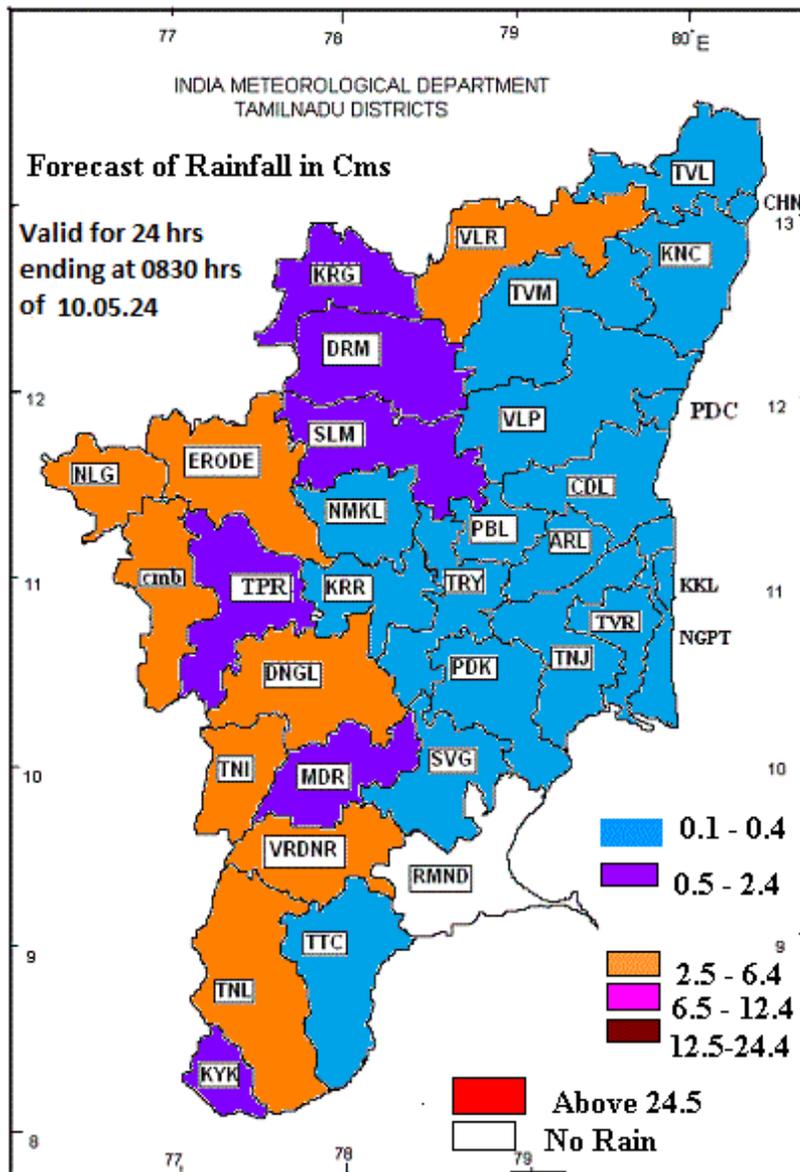
Krishnagiri), Shanmuganadhi (dist Theni), Anaimaduvu Dam (dist Salem), Kodivery (dist Erode), Pochampalli ARG (Krishnagiri) 1 each.

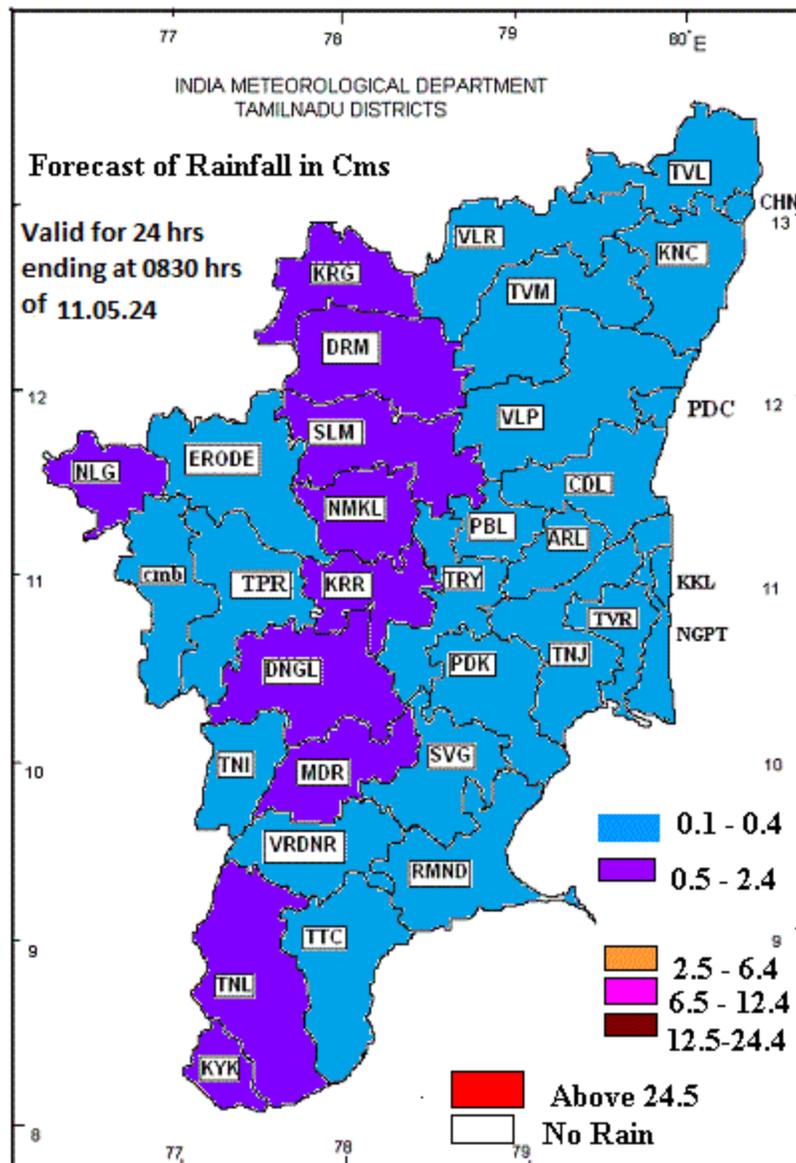
06.05.24 : Kamatchipuram (dist Dindigul), Peraiyur (dist Madurai) 5 each, Andipatti (dist Theni) 4, Mayanur (dist Karur), Tobacco Station (VDR) (dist Dindigul), Vedasandur (dist Dindigul) 3 each, Chinnakalar (dist Coimbatore), Dindigul (dist Dindigul), Kadavur (dist Karur), Ponnaniyar Dam (dist Thiruchirappalli), Thekkadi (dist Theni), Kadavur AWS (dist Karur) 2 each, Ammapettai (dist Erode), Srivilliputhur (dist Virudhunagar), Krishnarayapuram (dist Karur), Erumapatti (dist Namakkal), Periyar (dist Theni), Watrap (dist Virudhunagar), Shanmuganadhi (dist Theni), Namakkal (dist Namakkal), Pennagaram (dist Dharmapuri), Gobichettipalayam (dist Erode), Gudalur (dist Theni) 1 each.

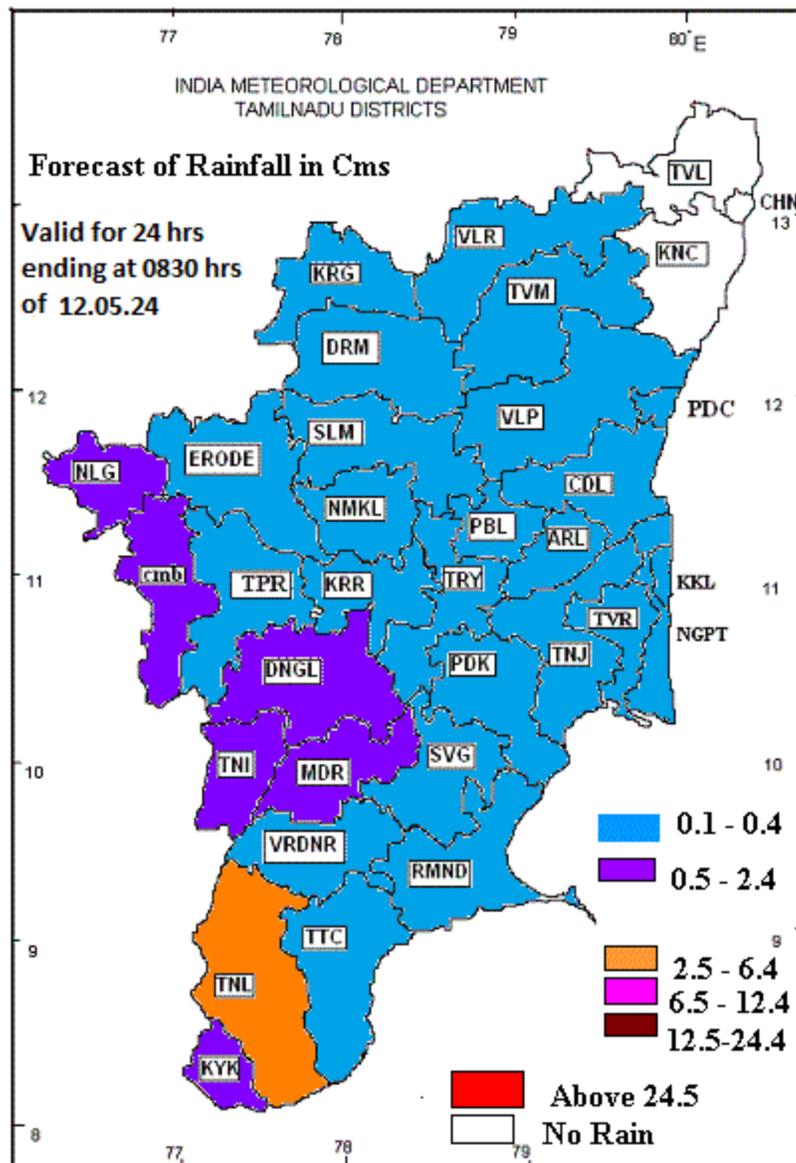
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 07.05.24
VALID FOR THE NEXT 5 DAYS**











District-wise Agromet Advisories

Chennai, Kancheepuram, Villupuram, Tiruvannamalai, Tiruvallur, Vellore and Cuddalore

SMS Advisory:

(09.05.2024) Heavy rain is likely to occur at one or two places over Krishnagiri, Tirupattur and Vellore districts of Tamilnadu.

Livestock Advisory:

- 1.The farmers should avoid allowing the animals to graze in hot parts of the day.
- 2.Sheep and goat should be dewormed by using suitable anthelmintic by consulting with Local veterinary doctor.
- 3.Increasing the frequency of feeding from three to four times per day to high yielding crossbreed, dairy cattle would nominally increase milk production and at the same time will reduce the heat stress.
- 4.The dairy buffaloes are very much prone to summer sub fertility, due to higher ambient air temperature. To prevent this proper sheltering with cooling facility are necessary.

1.White pigs meant for fattening purpose which are fed with high fat containing swill feed would suffer heat load during digestion, during summer season. Hence to prevent this fat containing will feed should be fed during late evening hours.

2.Rabbitaries with asbestos/metal roofs will experience more heat during summer, hence covering the roof with coconut leaves or gunny bags and splashing water over them will reduce the inner micro climate of rabbit shed.

3.Provision of cool wholesome drinking water to poultry during summer is essential.

Agricultural advisory

Rice:

Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 25% WG 100 g/ha or dimethoate 1.5ml/l.

Due to prevailing weather condition leaf folder and stem borer infestation is found in paddy crop. To manage them, spray carbosulfan 400 ml/ac or cartap hydrochloride 600 g/ac during morning or evening hours.

Harvest the matured paddy crops and store in safe places.

For nursery land preparation, to prevent soil borne diseases and better establishment of seedlings apply Azospirillum 2.5 Kg mixed with 25 kg of soil.

Sugarcane:

Mealy bug and pokkahboeng infection identified in sugarcane crop. Mealy bug affect growth of plants and pokkahboeng cause death of young spindles of sugarcane crop. To control spray imidacloprid 17.8 SL 0.6 ml/l or carbendazim 1.0 g/l.

A tonic with nutrients and growth regulators for sugarcane spray the TNAU sugarcane Booster at 45, 60 and 75 days after planting spray booster at 1kg 1.5kg and 2kg respectively and add required quantity of sticking agent.

Coconut:

Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies.

Encourage buildup of parasitoids (*Encarsia* sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak.

In sever case, spray neem oil 10 ml/lit of water or spray azadirachtin 2.0 ml/lit of water with 1.0 ml of sticking agent.

Apply coconut husks with convex surface facing upwards (100 Nos) or dried coconut leaves (15 Nos) or coir pith upto a height of 10 cm in the basin of 1.8 meter radius around the palms as much for soil moisture conservation particularly during summer season.

Coimbatore

Agro Advisory

Crop	Stage	Advisory
General		Rainfall is expected during this week, which will relieve the heat stress during the later part of the week. The wind speed will be between 6 - 14 km/hr. Irrigation may be done based on soil moisture during afternoon hours and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture. Plan for summer ploughing against the slope with soil inverting type ploughs. The saline concentration of irrigation water of wells and bore wells normally increases in summer months and this will create yellowing or browning of leaves leads to death of lower leaves. This symptom normally occurs in tapioca due to saline water irrigation. The following management measures may be adopted to reduce the damage. Frequent irrigation to keep the soil moisture wet and to avoid accumulation of salt in the surface of the soil. Irrigation may be done during early morning or late evening hours. Application of organic manure to neutralize the salt. Spraying of good quality water during evening and morning hours. Mixing of good quality water with well water for irrigation.
Sugarcane	Vegetative	Considering the local circulation due to increased temperature and expected summer rains, provide propping to the sugarcane by tying opposite row to prevent from lodging.
Banana		Considering the local circulation due to increased temperature and expected summer rains, provide propping to the banana of more than five months old to prevent from lodging.
Turmeric		This is the best time for preparation of land for ensuing Turmeric crop planting hence prepare the land by utilizing expected rain fall.
Coconut		Summer rains during next two months may be harvested in root zone of coconut by deepening the tree basin with inward slopes. Till then, ensure to provide 100 liters of water per tree per day to maintain the productivity.
Animal Husbandry		Increasing temperature and decreasing relative humidity may cause discomfort to the animals. Hence, provide clean water to both animals and poultry. Application of water over the sheds of the cattle and poultry will reduce the heat stress or even hanging of wetted gunny bags will also reduce the temperature to a considerable extent. To avoid the heat stress, animals feed the animal during night or early morning or late evening hours. Summer rains may occur as thunderstorm during the afternoon hours. Safeguard the animals.

SMS advisory

Moderate rainfall with squally wind is expected. Hence farmers are requested to take suitable precautionary measures to avoid economical loss.

Erode

Agro Advisory

Crop	Stage	Advisory
General		<p>Rainfall is expected during this week, which will relieve the heat stress during the later part of the week. The wind speed will be between 6 - 14 km/hr.</p> <p>Irrigation may be done based on soil moisture during afternoon hours and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture.</p> <p>Plan for summer ploughing against the slope with soil inverting type ploughs.</p> <p>The saline concentration of irrigation water of wells and bore wells normally increases in summer months and this will create yellowing or browning of leaves leads to death of lower leaves. This symptom normally occurs in tapioca due to saline water irrigation. The following management measures may be adopted to reduce the damage.</p> <p>Frequent irrigation to keep the soil moisture wet and to avoid accumulation of salt in the surface of the soil.</p> <p>Irrigation may be done during early morning or late evening hours.</p> <p>Application of organic manure to neutralize the salt.</p> <p>Spraying of good quality water during evening and morning hours.</p> <p>Mixing of good quality water with well water for irrigation.</p>
Sugarcane	Vegetative	<p>Considering the local circulation due to increased temperature and expected summer rains, provide propping to the sugarcane by tying opposite row to prevent from lodging.</p>
Banana		<p>Considering the local circulation due to increased temperature and expected summer rains, provide propping to the banana of more than five months old to prevent from lodging.</p>
Turmeric		<p>This is the best time for preparation of land for ensuing Turmeric crop planting hence prepare the land by utilizing expected rain fall.</p>
Coconut		<p>Summer rains during next two months may be harvested in root zone of coconut by deepening the tree basin with inward slopes. Till then, ensure to provide 100 liters of water per tree per day to maintain the productivity.</p>
Animal Husbandry		<p>Increasing temperature and decreasing relative humidity may cause discomfort to the animals. Hence, provide clean water to both animals and poultry.</p> <p>Application of water over the sheds of the cattle and poultry will reduce the heat stress or even hanging of wetted gunny bags will also reduce the temperature to a considerable extent.</p> <p>To avoid the heat stress, animals feed the animal during night or early morning or late evening hours.</p>

		Summer rains may occur as thunderstorm during the afternoon hours. Safeguard the animals.
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SMS advisory

Moderate rainfall with squally wind is expected. Hence farmers are requested to take suitable precautionary measures to avoid economical loss.

Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		<p>Rainfall is expected during this week, which will relieve the heat stress during the later part of the week. The wind speed will be between 6 - 14 km/hr.</p> <p>Irrigation may be done based on soil moisture during afternoon hours and apply crop residue mulches to all irrigated crops to maintain sufficient soil moisture.</p> <p>Plan for summer ploughing against the slope with soil inverting type ploughs.</p> <p>The saline concentration of irrigation water of wells and bore wells normally increases in summer months and this will create yellowing or browning of leaves leads to death of lower leaves. This symptom normally occurs in tapioca due to saline water irrigation. The following management measures may be adopted to reduce the damage.</p> <p>Frequent irrigation to keep the soil moisture wet and to avoid accumulation of salt in the surface of the soil.</p> <p>Irrigation may be done during early morning or late evening hours.</p> <p>Application of organic manure to neutralize the salt.</p> <p>Spraying of good quality water during evening and morning hours.</p> <p>Mixing of good quality water with well water for irrigation.</p>
Sugarcane	Vegetative	<p>Considering the local circulation due to increased temperature and expected summer rains, provide propping to the sugarcane by tying opposite row to prevent from lodging.</p>
Coconut		<p>Summer rains during next two months may be harvested in root zone of coconut by deepening the tree basin with inward slopes. Till then, ensure to provide 100 liters of water per tree per day to maintain the productivity.</p>
Animal Husbandry		<p>Increasing temperature and decreasing relative humidity may cause discomfort to the animals. Hence, provide clean water to both animals and poultry.</p> <p>Application of water over the sheds of the cattle and poultry will reduce the heat stress or even hanging of wetted gunny bags will also reduce the temperature to a considerable extent.</p> <p>To avoid the heat stress, animals feed the animal during night or early morning or late evening hours.</p> <p>Summer rains may occur as thunderstorm during the afternoon hours. Safeguard the animals.</p>

SMS advisory

Moderate rainfall with squally wind is expected. Hence farmers are requested to take suitable precautionary measures to avoid economical loss.

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

Agro Advisory

Crop	Stage	Advisory
General		Since temperature is increasing, apply mulches to conserve soil moisture. Summer ploughing is also beneficial.
		Raising of green manure crops like daincha, sunnhemp and kolinji can be done to utilizing the summer rainfall.
		Summer ploughing can be done by utilizing the rainfall expected upcoming days and to control weeds and larva of insects.
Cattle	Cow	Animals transitioning from cooler to hotter climates should be restricted from venturing outside during peak heat hours. It is essential to ensure they have access to abundant water.

SMS advisory

Since temperature is increasing, apply mulches to conserve soil moisture. Summer ploughing is also beneficial.

Dindigul

SMS Advisory Chances of light rain during 8, 11, 12 May & Moderate rain on 9, 10 May. Maximum temperature would be in the range of 38°C to 41°C and the minimum temperature would be between 25°C - 29°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 6-8 Kmph from, Northwest, Southeast & South directions.

General Advisory:

Heavy rain is likely to occur at isolated places over the district on 8 & 9 May 2024. Farmers are advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rain water. During these days farmers are advised to avoid irrigation, inter-cultural operations and application of plant protection measures to the standing crops, provide adequate drainage facilities in the fields to avoid water stagnation due to heavy rainfall, do not allow the animals to grazing outside, standing near the trees or electric poles & provide safe shelter.

Thunderstorms & lightning with light to Moderate rain are likely to occur at one or two places over the Tamilnadu on 08 & 09 May 2024. Gusty Wind with a speed of 30 to 40 kmph is expected for the same days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Do not allow the animals to graze outside, standing near the trees, and don't tie the animals to electric poles. Provide safe shelter.

Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next two days (08.05.2024 & 09.05.2024). Hence farmers are advised to plan their field activities during morning and evening hours and avoid working in the field during 12 noon to 4 Pm. Stay safe and take care. Drink adequate water.

Weather Based Agro-Advisories: (Guava, Moringa & Animal Husbandry).

Guava:

Micronutrient deficiency is noticed in Guava fruit crops, due to this, the leaves become smaller, the spacing between the nodes decreases, the plants look like shrubs, the leaves turn pale and the edges look wilted.

The spraying of micronutrients controls the bronzing of leaves. A combined spray should be given containing ZnSo₄, MgSo₄, MnSo₄ @ 25gms, Borax @ 50gms and CuSO₄ and FeSO₄ @ 25grams with sticky agent @ 10ml per 10 litres of water.

Spray four times, once when new shoots appear and second, a month later, third and fourth times during the flowering and fruiting stages.

Moringa:

At this growth stage, weed management and aftercare are important in the Annual Moringa crop. Up to 2 months after planting, it is necessary to follow weed management practices and clean the Moringa field without weeds.

Pinch the terminal bud on the central leader stem when it attains a height of 1 to 2 metres. This will promote the growth of many lateral branches leading to more flowering and fruits. Also, the harvesting will be made easy as the tender pods and leaves will be in comfortable reach.

Animal Husbandry:

Some amount of rainfall has been received during the recent days. This situation is favourable for the development of Aflatoxin infection in the Corn kernels and Paddy Straw, which may affect the health of your cattle.

To avoid this infection, check carefully and dry the Corn kernels and Paddy Straw before feeding.

Madurai

SMS Advisory Chances of light rain during 8, 10, 11, 12 May & Moderate rain on 9 May .Maximum temperature would be in the range of 38°C to 42°C and the minimum temperature would be between 25°C - 29°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 8-10 Kmph from, Southeast direction.

General Advisory:

Thunderstorms & lightning with light to Moderate rain are likely to occur at one or two places over the Tamilnadu on 08 & 09 May 2024. Gusty Wind with a speed of 30 to 40 kmph is expected for the same days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Do not allow the animals to graze outside, standing near the trees, and don't tie the animals to electric poles. Provide safe shelter.

Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next two days (08.05.2024 & 09.05.2024). Hence farmers are advised to plan their field activities during morning and evening hours and avoid working in the field during 12 noon to 4 Pm. Stay safe and take care. Drink adequate water.

Weather Based Agro-Advisories: (Paddy, Mango & Animal Husbandry).

Paddy:

Before transplanting the paddy seedlings, the application of organic inputs in the field is essential for the Paddy crop.

Mix 2kg of Azospirillum per hectare and 2kg of Phosphobacteria per hectare or 4kg of Azophos inoculants with 25 kg FYM and 25 kg of sand.

Broadcast the mixture uniformly in the main field before transplanting.

Jasmine:

The incidence of Flower midge is expected in Jasmine.

At the beginning stage, affected buds turn into yellowish grey colour and buds become smaller in size with brown colour.

To control, spray Profenophos @ 30ml + Cartap hydrochloride @ 20gm + sticky agent @ 10ml with 10 litres of water.

Animal Husbandry:

Some amount of rainfall has been received during the recent days. This situation is favourable for the development of Aflatoxin infection in the Corn kernels and Paddy Straw, which may affect the health of your cattle.

To avoid this infection, check carefully and dry the Corn kernels and Paddy Straw before feeding.

Pudukottai

SMS Advisory Chances of light rain on 9 May. Maximum temperature would be in the range of 40°C to 43°C and the minimum temperature would be between 26°C - 29°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 10-20 Kmph from, Southeast & South directions.

General Advisory:

Thunderstorms & lightning with light to Moderate rain are likely to occur at one or two places over the Tamilnadu during 08 & 09 May 2024. Gusty Wind with a speed of 30 to 40 kmph is expected for the same days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Do not allow the animals to graze outside, standing near the trees, and don't tie the animals to electric poles. Provide safe shelter.

Wind with the speed of 10 to 20 kmphs expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next two days (08.05.2024 & 09.05.2024). Hence farmers are advised to plan their field activities during morning and evening hours and avoid working in the field during 12 noon to 4 Pm. Stay safe and take care. Drink adequate water.

Weather Based Agro-Advisories: (Tapioca, Banana & Animal Husbandry).

Tapioca:

Micronutrient deficiency may occur in Tapioca crops under calcareous soils.

Hence, spray 1% of Ferrous Sulphate + 1% of Magnesium Sulphate + 0.1% Urea solution under enough soil moisture conditions.

Banana: Light to moderate rainfall is expected for the coming days, using these weather conditions, Banana cultivators are advised to apply the biological inputs Azospirillum and Phosphobacteria, @ 20 grams of each per plant, which are in the growing stage, 5 months after planting.

Animal Husbandry:

Some amount of rainfall has been received during the recent days. This situation is favourable for the development of Aflatoxin infection in the Corn kernels and Paddy Straw, which may affect the health of your cattle.

To avoid this infection, check carefully and dry the Corn kernels and Paddy Straw before feeding.

Ramanathapuram

SMS Advisory Chances of light rain on 9 May. Maximum temperature would be in the range of 40°C to 43°C and the minimum temperature would be between 26°C - 29°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 10-20 Kmph from, Southeast & South directions.

General Advisory:

Thunderstorms & lightning with light to Moderate rain are likely to occur at one or two places over the Tamilnadu during 08 & 09 May 2024. Gusty Wind with a speed of 30 to 40 kmph is expected for the same days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Do not allow the animals to graze outside, standing near the trees, and don't tie the animals to electric poles. Provide safe shelter.

Wind with the speed of 18 to 22 kmphs expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next two days (08.05.2024 & 09.05.2024). Hence farmers are advised to plan their field activities during morning and evening hours and avoid working in the field during 12 noon to 4 Pm. Stay safe and take care. Drink adequate water.

Weather Based Agro-Advisories: (Cotton, Paddy & Animal Husbandry).

Cotton:

At this stage, nutrition disorders may be found in Cotton. In case of Zinc deficient soils, ZnSO₄ @ 50kg/ha as basal or ZnSO₄ 0.5% spray thrice at 45, 60 and 75 DAS.

When reddening occurs in leaves apply 5% MgSO₄, Urea (1.0%) and ZnSO₄ (0.10%) as a foliar spray on the 50th and 80th day to correct this malady.

In Magnesium deficient areas apply MgSo₄ @ 20 kg/ha basally. Need-based foliar spray of 2% MgSo₄ + 1% Urea during the boll formation stage is also recommended.

Paddy:

Due to the prevailing weather conditions, the incense of Bacterial Leaf Blight may be noticed in paddy. The symptoms appear during the 3rd - 4th week of planting. Seedling wilt or kressek. Lesions turn yellow to white as the disease advances.

To avoid this, as a preventive measure, seed treatment should be done with the bio-input Pseudomonas.

Spray fresh cow dung extract @ 20% twice (starting from the initial appearance of the disease and another at fortnight intervals).

Neem oil 60 EC @ 3% (or) NSKE @ 5% is recommended for the control of sheath rot, sheath blight, grain discolouration and bacterial blight.

Animal Husbandry:

Some amount of rainfall has been received during the recent days. This situation is favourable for the development of Aflatoxin infection in the Corn kernels and Paddy Straw, which may affect the health of your cattle.

To avoid this infection, check carefully and dry the Corn kernels and Paddy Straw before feeding.

Sivagangai

SMS Advisory Chances of light rain on 9 May. Maximum temperature would be in the range of 38°C to 42°C and the minimum temperature would be between 25°C - 29°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 10-20 Kmph from, Southeast & South directions.

General Advisory:

Thunderstorms & lightning with light to Moderate rain are likely to occur at one or two places over the Tamilnadu during 08 & 09 May 2024. Gusty Wind with a speed of 30 to 40 kmph is expected for the same days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Do not allow the animals to graze outside, standing near the trees, and don't tie the animals to electric poles. Provide safe shelter.

Wind with the speed of 10 to 20 kmph is expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next two days (08.05.2024 & 09.05.2024). Hence farmers are advised to plan their field activities during morning and evening hours and avoid working in the field during 12 noon to 4 Pm. Stay safe and take care. Drink adequate water.

Weather Based Agro – Advisories: (Important Crops: Paddy, Brinjal & Animal Husbandry)

Paddy:

Due to the prevailing dry weather conditions, Banana Thrips are likely to appear. To manage this, foliar spray 0.5ml of Thiamethoxam or 0.5ml of Imidacloprid per litre of water along with a sticky agent. The incidence of Green leafhoppers noticed in Paddy fields. It affects the leaves from tip to downwards and becomes yellow in colour. Retarded vigorous and stunted growth, and drying up of the plant due to sucking up of the leaf are the other symptoms.

This can be controlled by spraying the solution of Pungam oil @ 60ml + Iluppai oil @ 60ml + Neem oil @ 60ml + Sticky agent @ 10ml (Khadi soap @ 10gms) with 10 litres of water and mixing well and spraying 2 times at 12 days interval.

Also, fix light traps in the field to attract and destroy the insects.

Brinjal:

The little leaf disease infestation is slightly found in Brinjal. The symptoms are a reduction in the size of leaves, Shortened petioles, excessive growth of branches general stunting of plants, conversion of floral parts into leafy structures, and rare fruiting.

Remove the infected plants and destroy them.

To control, foliar spray of 6ml Imidachlopride with 10ml Sticking agent per 10 litres of water.

Animal Husbandry:

Some amount of rainfall has been received during the recent days. This situation is favourable for the development of Aflatoxin infection in the Corn kernels and Paddy Straw, which may affect the health of your cattle.

To avoid this infection, check carefully and dry the Corn kernels and Paddy Straw before feeding.

Theni

SMS Advisory Chances of light rain on 8, 11 May & Moderate rain during 9, 10, 12 May. Maximum temperature would be in the range of 32°C to 35°C and the minimum temperature would be between 22°C - 26°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 4-6 Kmph from, Northwest, East, Northeast & South directions.

General Advisory:

Heavy rain is likely to occur at isolated places over the district on 8 & 9 May 2024. Farmers are advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rain water. During these days farmers are advised to avoid irrigation, intercultural operations and application of plant protection measures to the standing crops, provide adequate drainage facilities in the fields to avoid water stagnation due to heavy rainfall, do not allow the animals to grazing outside, standing near the trees or electric poles & provide safe shelter.

Thunderstorms & lightning with light to Moderate rain are likely to occur at one or two places over the Tamilnadu on 08 to 09 May 2024. Gusty Wind with a speed of 30 to 40 kmph is expected for the same days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Do not allow the animals to graze outside, standing near the trees, and don't tie the animals to electric poles. Provide safe shelter.

Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next two days (08.05.2024 & 09.05.2024). Hence farmers are advised to plan their field activities during morning and evening hours and avoid working in the field during 12 noon to 4 Pm. Stay safe and take care. Drink adequate water.

Weather Based Agro-Advisories: (Crossandra, Coconut & Animal Husbandry)

Crossandra:

The incense of nematode was noticed in Crossandra floral crop. The symptoms are stunted parches in the field, yellowing with puckering, internodal length reduced to give a rosette appearance, and lesions on the secondary and tertiary roots.

To control, apply Paecilomyces Lilacinus W.P @ 2kg/acre, apply FYM @ 12.5 tonne/ha and apply neem cake @ 500 kg/ha.

Using the chemical method, mix Cartap Hydrochloride granules @ 7Kg per acre, with farmyard manure and apply.

Coconut:

The incidence of Red Palm Weevil is noticed in Coconut. The symptom of damage appears on the trunk. Holes can be seen on the trunk with chewed-up fibre protruding out. Many times, reddish brown liquid can be seen oozing out from the hole.

Sometimes the gnawing sound produced by the feeding grubs inside will also be audible. In the advanced stage of infestation yellowing of the inner whorl of leaves occurs. The crowns fall or dry up later when the palm is dead.

To control this, set up a pheromone trap by using a 5-litre bucket filled with 2 kg Castor cake + 3litre of water + 2 well rotten Banana + 2 pieces of Pine Apple + 100 gm Jaggery per hectare or Root feed with Profenophos @10 ml with 100ml water per tree.

Animal Husbandry:

Some amount of rainfall has been received during the recent days. This situation is favourable for the development of Aflatoxin infection in the Corn kernels and Paddy Straw, which may affect the health of your cattle.

To avoid this infection, check carefully and dry the Corn kernels and Paddy Straw before feeding.

Salem

Weather Advisory Bulletin for livestock, poultry and agro advisory

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	Poultry farmers are advised to strictly adhere to summer management practices. Feed intake is particularly found to have gone below (90 – 95 gram / day / hen) leading to reduced egg production and reduced egg size. Hence, strictly follow the summer management for feeding. The farmers are advised to add amino acids more importantly methionine and lysine, use oils to increase energy content of feed, electrolytes and vitamin C. Further, sodium bicarbonate salt should be added @ 1.5 – 2.0 kg / tonne of feed to avoid egg breakages. The feeding timing should be only twice in a day ie morning (5 am – 10 am) and evening (5 pm – 9 pm) to avoid heat stroke mortality among the layers. Plentiful of cool water should be assured all the day through.
Livestock	General	Feeding management for livestock during summer Due to very high and prolonged day temperatures, farmers are advised to feed their cattle and small ruminants with sufficient quantities of concentrates and green fodder for the maintenance of body weight and milk production. Due to unavailability / scarcity of greens in grazing land during summer, one should ensure feeding their animals at least a small quantity of green fodder. Locally available low-cost but quality feed ingredients may be procured to produce concentrate feed in their home. A 10 kg of concentrate feed can be prepared by mixing 4 kg of cereals (maize, cumbu, jowar, ragi), 3 kg de-oiled cakes (Groundnut, soya), 2.75 kg rice bran, 200 g mineral mixture, 50 gram sodium bicarbonate after grinding in a nearby commercial flour grinder, to be stored for 3-4 weeks period. Dry or green tree leaves can be used when green fodder is not available. In such cases, addition of mineral mixture and yeast should be ensured to correct digestive disorders.
Agro advisory from Krishi Vigyan Kendra		
Pepper	Vegetative stage	Apply 500 gram of lime one feet away from the root in a circular basin once in a two years of pepper.
Maize	Sowing	To increase the yield of maize enrich maize micronutrient mixture @ 12 kg / acre alongwith 120 kg well decomposed farmyard manure and then apply while take up the sowing of maize.
Turmeric	Sowing	To control the rhizome rot and increase the yield of turmeric enrich turmeric micronutrient mixture @ 4 kg alongwith 40 kg well decomposed farmyard manure and then apply 20 kg at the time of sowing of turmeric and remaining 20 kg at 90 days after planting of turmeric.
Banana	Vegetative stage	Banana growers are requested to apply Azospirillum and Phosphoacteria @ 20 gram / plant twice at 1 month and 5 months after planting.

Namakkal

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	<p>Poultry farmers are advised to strictly adhere to summer management practices. Feed intake is particularly found to have gone below (90 – 95 gram / day / hen) leading to reduced egg production and reduced egg size. Hence, strictly follow the summer management for feeding. The farmers are advised to add amino acids more importantly methionine and lysine, use oils to increase energy content of feed, electrolytes and vitamin C. Further, sodium bicarbonate salt should be added @ 1.5 – 2.0 kg / tonne of feed to avoid egg breakages. The feeding timing should be only twice in a day ie morning (5 am – 10 am) and evening (5 pm – 9 pm) to avoid heat stroke mortality among the layers. Plentiful of cool water should be assured all the day through.</p>
Livestock	General	<p>Feeding management for livestock during summer Due to very high and prolonged day temperatures, farmers are advised to feed their cattle and small ruminants with sufficient quantities of concentrates and green fodder for the maintenance of body weight and milk production. Due to unavailability / scarcity of greens in grazing land during summer, one should ensure feeding their animals at least a small quantity of green fodder. Locally available low-cost but quality feed ingredients may be procured to produce concentrate feed in their home. A 10 kg of concentrate feed can be prepared by mixing 4 kg of cereals (maize, cumbu, jowar, ragi), 3 kg de-oiled cakes (Groundnut, soya), 2.75 kg rice bran, 200 g mineral mixture, 50 gram sodium bicarbonate after grinding in a nearby commercial flour grinder, to be stored for 3-4 weeks period. Dry or green tree leaves can be used when green fodder is not available. In such cases, addition of mineral mixture and yeast should be ensured to correct digestive disorders.</p>
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Pepper	Vegetative stage	Apply 500 gram of lime one feet away from the root in a circular basin once in a two years of pepper.
Maize	Sowing	To increase the yield of maize enrich maize micronutrient mixture @ 12 kg / acre alongwith 120 kg well decomposed farmyard manure and then apply while take up the sowing of maize.
Turmeric	Sowing	To control the rhizome rot and increase the yield of turmeric enrich turmeric micronutrient mixture @ 4 kg alongwith 40 kg well decomposed farmyard manure and then apply 20 kg at the time of sowing of turmeric and remaining 20 kg at 90 days after planting of turmeric.
Banana	Vegetative stage	Banana growers are requested to apply Azospirillum and Phosphoacteria @ 20 gram / plant twice at 1 month and 5 months after planting.

Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory
Poultry	General	Poultry farmers are advised to strictly adhere to summer management practices. Feed intake is particularly found to have gone below (90 – 95 gram / day / hen) leading to reduced egg production and reduced egg size. Hence, strictly follow the summer management for feeding. The farmers are advised to add amino acids more importantly methionine and lysine, use oils to increase energy content of feed, electrolytes and vitamin C. Further, sodium bicarbonate salt should be added @ 1.5 – 2.0 kg / tonne of feed to avoid egg breakages. The feeding timing should be only twice in a day ie morning (5 am – 10 am) and evening (5 pm – 9 pm) to avoid heat stroke mortality among the layers. Plentiful of cool water should be assured all the day through.
Livestock	General	<p>Feeding management for livestock during summer</p> <p>Due to very high and prolonged day temperatures, farmers are advised to feed their cattle and small ruminants with sufficient quantities of concentrates and green fodder for the maintenance of body weight and milk production. Due to unavailability / scarcity of greens in grazing land during summer, one should ensure feeding their animals at least a small quantity of green fodder.</p> <p>Locally available low-cost but quality feed ingredients may be procured to produce concentrate feed in their home. A 10 kg of concentrate feed can be prepared by mixing 4 kg of cereals (maize, cumbu, jowar, ragi), 3 kg de-oiled cakes (Groundnut, soya), 2.75 kg rice bran, 200 g mineral mixture, 50 gram sodium bicarbonate after grinding in a nearby commercial flour grinder, to be stored for 3-4 weeks period.</p> <p>Dry or green tree leaves can be used when green fodder is not available. In such cases, addition of mineral mixture and yeast should be ensured to correct digestive disorders.</p>
Agro advisory from Krishi Vigyan Kendra		
Pepper	Vegetative stage	Apply 500 gram of lime one feet away from the root in a circular basin once in a two years of pepper.
Maize	Sowing	To increase the yield of maize enrich maize micronutrient mixture @ 12 kg / acre alongwith 120 kg well decomposed farmyard manure and then apply while take up the sowing of maize.
Turmeric	Sowing	To control the rhizome rot and increase the yield of turmeric enrich turmeric micronutrient mixture @ 4 kg alongwith 40 kg well decomposed farmyard manure and then apply 20 kg at the time of sowing of turmeric and remaining 20 kg at 90 days after planting of turmeric.
Banana	Vegetative stage	Banana growers are requested to apply Azospirillum and Phosphoacteria @ 20 gram / plant twice at 1 month and 5 months after planting.

Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry & Crop	Stage	Weather advisory

Poultry	General	Poultry farmers are advised to strictly adhere to summer management practices. Feed intake is particularly found to have gone below (90 – 95 gram / day / hen) leading to reduced egg production and reduced egg size. Hence, strictly follow the summer management for feeding. The farmers are advised to add amino acids more importantly methionine and lysine, use oils to increase energy content of feed, electrolytes and vitamin C. Further, sodium bicarbonate salt should be added @ 1.5 – 2.0 kg / tonne of feed to avoid egg breakages. The feeding timing should be only twice in a day ie morning (5 am – 10 am) and evening (5 pm – 9 pm) to avoid heat stroke mortality among the layers. Plentiful of cool water should be assured all the day through.
Livestock	General	Feeding management for livestock during summer Due to very high and prolonged day temperatures, farmers are advised to feed their cattle and small ruminants with sufficient quantities of concentrates and green fodder for the maintenance of body weight and milk production. Due to unavailability / scarcity of greens in grazing land during summer, one should ensure feeding their animals at least a small quantity of green fodder. Locally available low-cost but quality feed ingredients may be procured to produce concentrate feed in their home. A 10 kg of concentrate feed can be prepared by mixing 4 kg of cereals (maize, cumbu, jowar, ragi), 3 kg de-oiled cakes (Groundnut, soya), 2.75 kg rice bran, 200 g mineral mixture, 50 gram sodium bicarbonate after grinding in a nearby commercial flour grinder, to be stored for 3-4 weeks period. Dry or green tree leaves can be used when green fodder is not available. In such cases, addition of mineral mixture and yeast should be ensured to correct digestive disorders.
Agro advisory from Krishi Vigyan Kendra		
Pepper	Vegetative stage	Apply 500 gram of lime one feet away from the root in a circular basin once in a two years of pepper.
Maize	Sowing	To increase the yield of maize enrich maize micronutrient mixture @ 12 kg / acre alongwith 120 kg well decomposed farmyard manure and then apply while take up the sowing of maize.
Turmeric	Sowing	To control the rhizome rot and increase the yield of turmeric enrich turmeric micronutrient mixture @ 4 kg alongwith 40 kg well decomposed farmyard manure and then apply 20 kg at the time of sowing of turmeric and remaining 20 kg at 90 days after planting of turmeric.
Banana	Vegetative stage	Banana growers are requested to apply Azospirillum and Phosphoacteria @ 20 gram / plant twice at 1 month and 5 months after planting.

Karaikal

Agro Advisory

Crop/livestock	Stage/Particulars	Agro Advisory
Cotton	Vegetative growth	To control sucking pest in cotton spray Imidacloprid 17.8 SL @ 100 ml/ha (or) Azadirachtin 0.03% (300 ppm) 2500 ml/ha.
		Nipping may be done at 15th node for variety and 20th node for hybrid cotton to induce sympodial branches development.

Livestock	Heat stress	<p>Heat stress is likely to occur in cattle due to prevailing hot weather. Therefore, following steps can be followed to protect livestock from summer heat.</p> <p>Cattle can be protected from heat by spreading straw, dry grass, palm fronds, coconut leaves or coir waste on the surface of cattle sheds and sprinkling water over it.</p> <p>Cattle can be sent for grazing between 06 am to 10 am and 04 pm to 06 pm.</p> <p>Roofs should be erected over the drinking troughs for livestock to provide cold drinking water to the livestock.</p> <p>Cattle should be bathed twice daily.</p> <p>If cattle show signs of heat stress such as excessive drinking of water, rapid breathing, excessive salivation, loss of appetite, shivering and falling down, then the affected animals should be treated at the nearest veterinary hospital.</p>
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SMS: Light rain is expected from 08th to 12th May.

Puducherry

Agro Advisory

Crop	Stage/ Particulars	Agro Advisory
Rice	Tillering stage	<p>To manage rice stem borer, release parasitoid <i>Trichogramma japonicum</i> @1,00,000/ha at active tillering stage (37, 44 and 51 DAP) or Azadirachtin 0.03% @ 4 ml/l or cartaphydrochloride 50% SP @ 2g/l or flubendiamide 20 WG @ 0.25 g/l or thiamethoxam 25 WG @ 0.2 g/l.</p>
		<p>To manage rice leaf folder release <i>Trichogramma chilonis</i> 5cc (1,00,000/ha) at 37, 44, 51 day after planting. Avoid excess application of nitrogen fertilizers. Setup light trap to attract adult moths.</p> <p>Setup T- shaped bird perches for predatory birds to control these pests.</p> <p>Apply cartaphydrochloride 50% SP @ 2g/l or flubendiamide 20 WG @ 0.25 g/l or thiamethoxam 25 WG @ 0.2 g/l.</p>
Livestock	Heat stress	<p>Heat stress is likely to occur in cattle due to prevailing hot weather. Therefore, following steps can be followed to protect livestock from summer heat. Cattle can be protected from heat by spreading straw, dry grass, palm fronds, coconut leaves or coir waste on the surface of cattle sheds and sprinkling water over it. Cattle can be sent for grazing between 06 am to 10 am and 04 pm to 06 pm. Roofs should be erected over the drinking troughs for livestock to provide cold drinking water to the livestock. Cattle should be bathed twice daily. If cattle show signs of heat stress such as excessive drinking of water, rapid breathing, excessive salivation, loss of appetite, shivering and falling down, then the affected animals should be treated at the nearest veterinary hospital.</p>

