



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

DISTRICT LEVEL

Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 019/2023

For the period 0830 IST, 07th March 2023

to 0830 IST, 12th March 2023

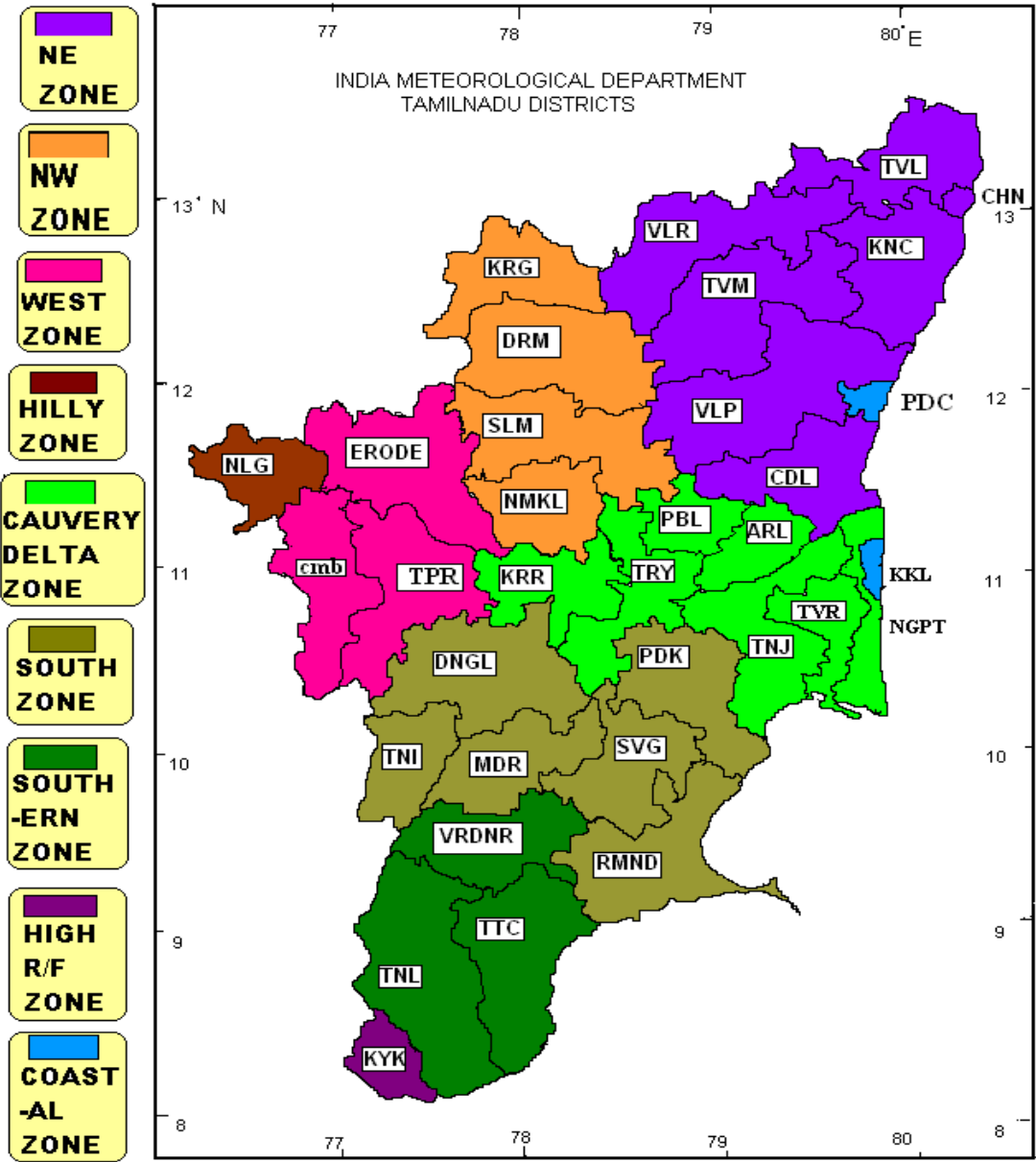
Issued on Tuesday, 07th March 2023

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, Thiruvarur, Karur, Perambalur, Ariyalur and Tiruchirapalli. | Adudurai |
| 5 | Southern zone | Virudhunagar, Tirunelveli and Thoothugudi | 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 03.03.2023 to 06.03.2023 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range 30°C – 37°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 16°C – 24°C during the period.

Minimum temperature of range 17°C - 25°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 05°C - 09°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 (One or two Places) | 06.03.23 | Tamil Nadu |
| Dry | 03.03.23, 04.03.23 & 05.03.23 03.03.23, 04.03.23, 05.03.23 & 06.03.23 | Tamil Nadu Puducherry |

Chief Amounts of Rainfall (in cms):

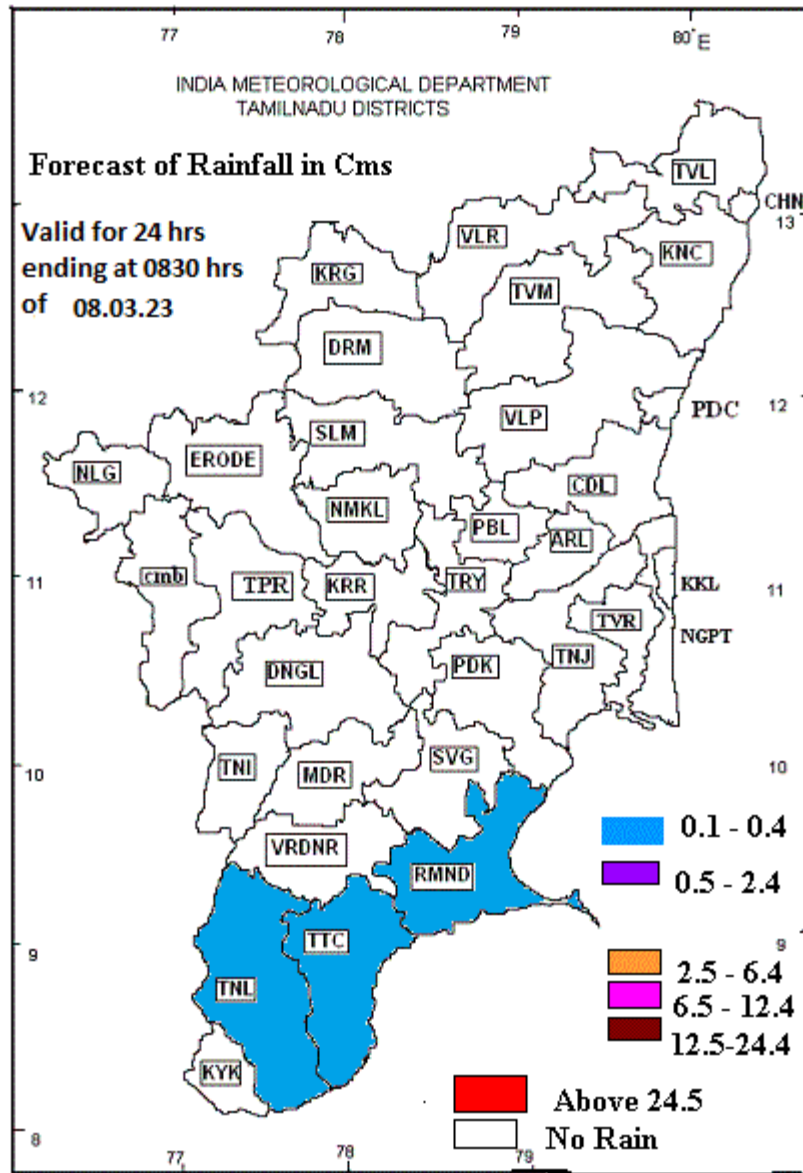
03.03.2023 : Nil

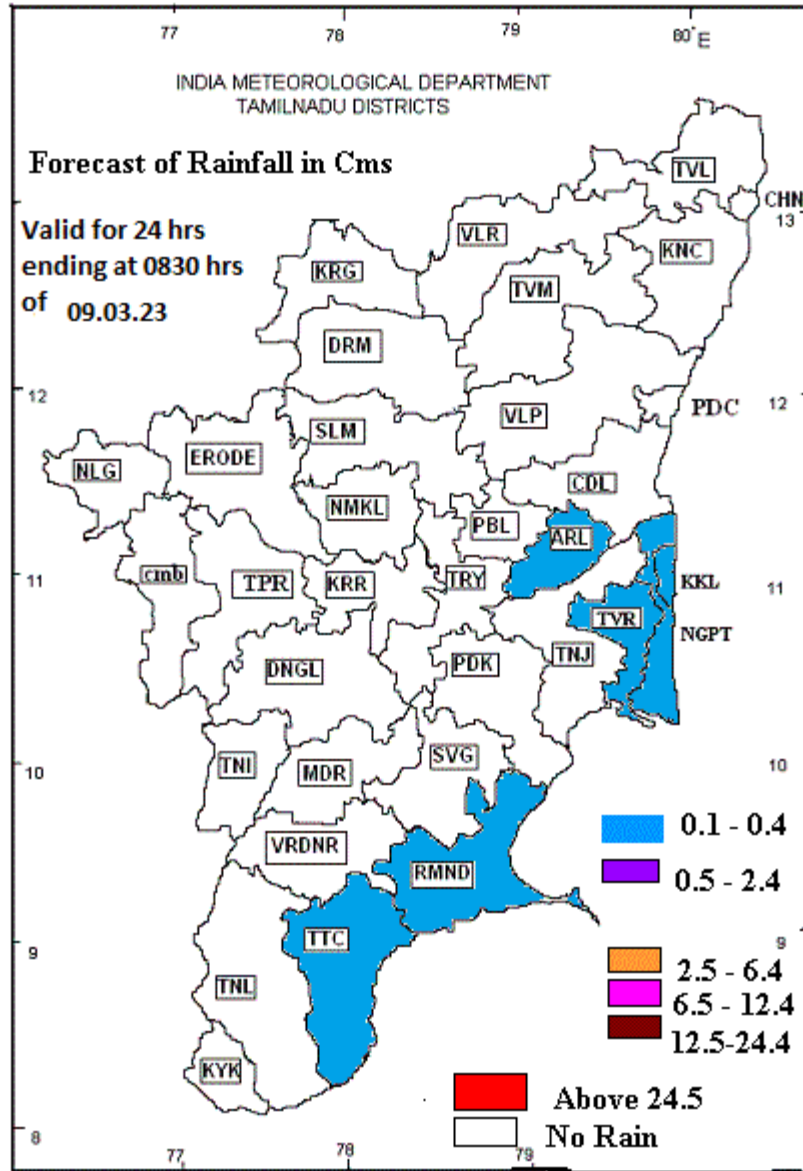
04.03.2023 : Nil

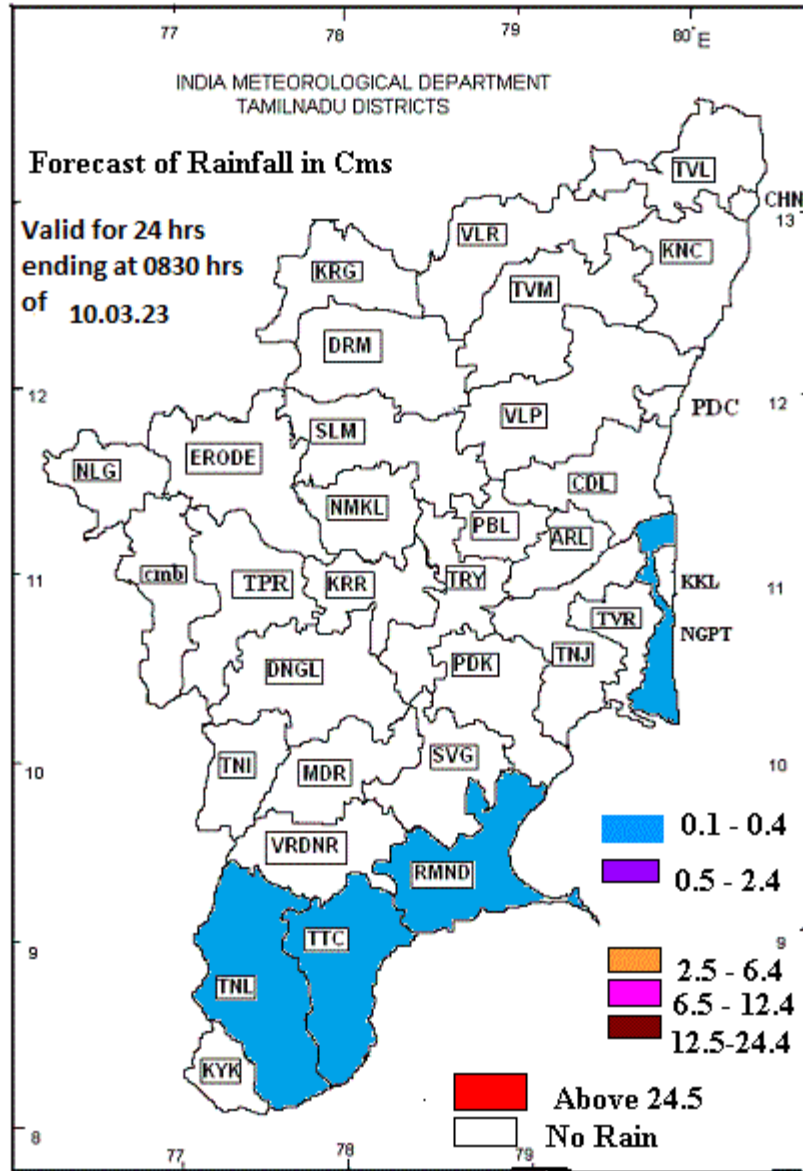
05.03.2023 : Nil

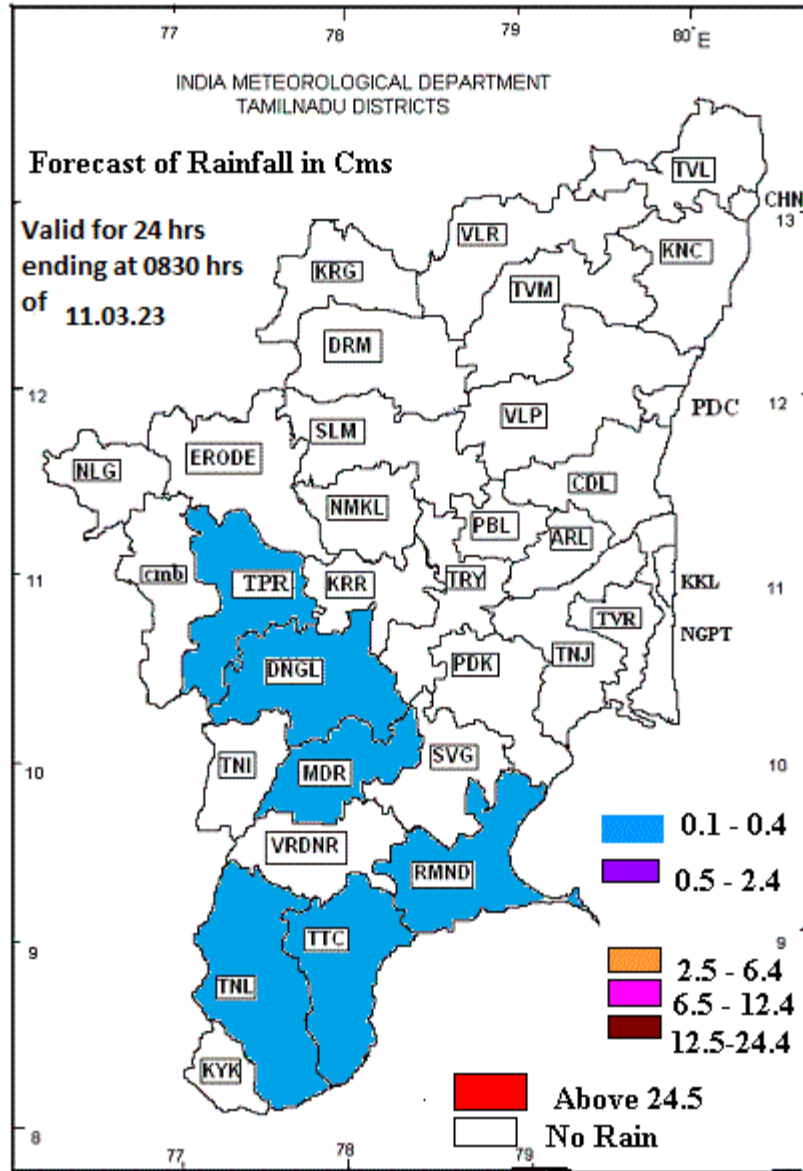
06.03.2023 : Kodaikanal Boat Club (dist Dindigul) 2 and Kodaikanal (dist Dindigul) 1.

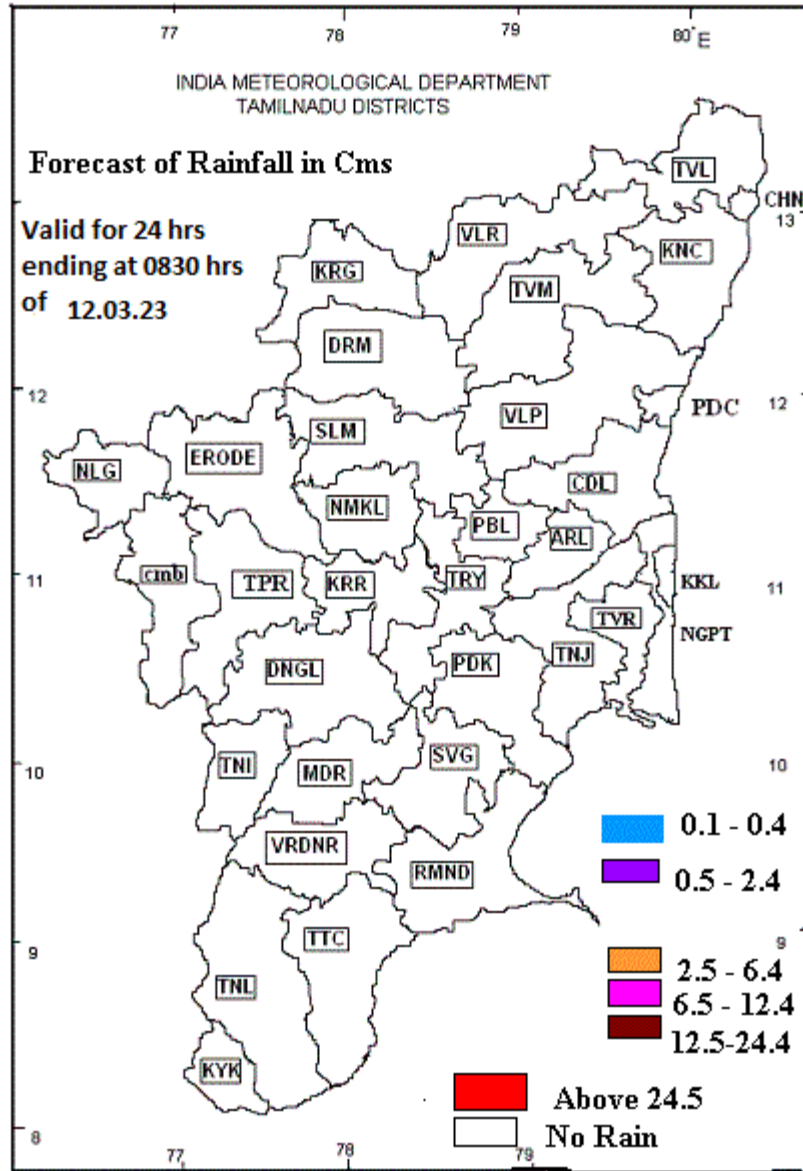
DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 07.03.2023
VALID FOR THE NEXT 5 DAYS











Districtwise Agromet Advisories

Chennai

SMS Advisory:

Regular vaccination is done for poultry on all Saturday in veterinary dispensaries hence farmers are advised accordingly.

Livestock Advisory

1. The ewes does which are ready for mating must be supplemented with leguminous fodder and energy rich fodder along with minerals mixture and vitamins before mating where is called flushing.
2. The water provided for poultry must be whole some and clean, moreover it must also be checked whether the water is up to the standard for drinking water.
3. The dairy cattle must be supplemented with mineral mixture to enhance milk production.
4. Grazing animals with for jowl edema condition and pale eye mucosa must be immediately dewormed.
5. The mortality in piglets during this season may be prevented using heaters at appropriate temperature.
6. This month is conducive for breeding in sheep, it may be allowed for mating this month.
7. The ruminants must not be allowed to graze in dew laden grass before sunrise
8. Rabbit may be allowed by mating now due to conducive environment rabbit will kindle more bunnies during these months due to which necessary reproductive management must be followed.
9. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).

Kancheepuram

SMS Advisory:

Regular vaccination is done for poultry on all Saturday in veterinary dispensaries hence farmers are advised accordingly.

Livestock Advisory:

1. The ewes does which are ready for mating must be supplemented with leguminous fodder and energy rich fodder along with minerals mixture and vitamins before mating where is called flushing.
2. The water provided for poultry must be whole some and clean, moreover it must also be checked whether the water is up to the standard for drinking water.
3. The dairy cattle must be supplemented with mineral mixture to enhance milk production.
4. Grazing animals with for jowl edema condition and pale eye mucosa must be immediately dewormed.
5. The mortality in piglets during this season may be prevented using heaters at appropriate temperature.
6. This month is conducive for breeding in sheep, it may be allowed for mating this month.
7. The ruminants must not be allowed to graze in dew laden grass before sunrise
8. Rabbit may be allowed by mating now due to conducive environment rabbit will kindle more bunnies during these months due to which necessary reproductive management must be followed.
9. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).

Agricultural advisory

Groundnut:

There are possibilities of early leaf spot infestation in groundnut. For management farmers are advised to spray Carbendazim 500 g/ha.

Blackgram:

There is possibilities leaf feeding insect infestation in pulses crops. For management farmers are advised to spray dimethoate @ 0.03%.

Chilli:

Farmers those who planting the chilli seedling are advised to apply 100kg/ac of neem cake before last ploughing.

Coconut:

In coconut there are possibilities of Rugose Spiraling whitefly infestation. For management farmers are advised to take up spray of Neem oil @ 3% .

Villupuram

SMS Advisory:

Regular vaccination is done for poultry on all Saturday in veterinary dispensaries hence farmers are advised accordingly.

Livestock Advisory:

1. The ewes does which are ready for mating must be supplemented with leguminous fodder and energy rich fodder along with minerals mixture and vitamins before mating where is called flushing.
2. The water provided for poultry must be whole some and clean, moreover it must also be checked whether the water is up to the standard for drinking water.
3. The dairy cattle must be supplemented with mineral mixture to enhance milk production.
4. Grazing animals with for jowl edema condition and pale eye mucosa must be immediately dewormed.
5. The mortality in piglets during this season may be prevented using heaters at appropriate temperature.
6. This month is conducive for breeding in sheep, it may be allowed for mating this month.
7. The ruminants must not be allowed to graze in dew laden grass before sunrise
8. Rabbit may be allowed by mating now due to conducive environment rabbit will kindle more bunnies during these months due to which necessary reproductive management must be followed.
9. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).

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.

Blackgram:

Due to prevailing weather condition changes of blackgram powdery mildew infection. Symptoms are white powdery patches appear on leaves and other green parts which later become dull coloured. These patches gradually increase in size and become circular covering the lower surface also. When the infection is severe, both the surfaces of the leaves are completely covered by whitish powdery growth. Severely affected parts get shriveled and distorted. In severe infections, foliage becomes yellow causing premature defoliation. To control spray carbendazim @ 200 g/ac or wettable sulphur 600 g/ac at initiation of the disease and 10 days later.

Cashew:

To control tea mosquito bug first spraying with thiamethoxam 25% WG (100 g/ha) at flushing stage, second spraying with chlorpyrifos 2.0 ml/lit at flowering and third spraying with profenophos 1.0 ml/lit at fruit set stage.

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 severe 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.

Thiruvannamalai

SMS Advisory:

Regular vaccination is done for poultry on all Saturday in veterinary dispensaries hence farmers are advised accordingly.

Livestock Advisory:

1. The ewes does which are ready for mating must be supplemented with leguminous fodder and energy rich fodder along with minerals mixture and vitamins before mating where is called flushing.
2. The water provided for poultry must be wholesome and clean, moreover it must also be checked whether the water is up to the standard for drinking water.
3. The dairy cattle must be supplemented with mineral mixture to enhance milk production.
4. Grazing animals with for jowl edema condition and pale eye mucosa must be immediately dewormed.
5. The mortality in piglets during this season may be prevented using heaters at appropriate temperature.
6. This month is conducive for breeding in sheep, it may be allowed for mating this month.
7. The ruminants must not be allowed to graze in dew laden grass before sunrise
8. Rabbit may be allowed by mating now due to conducive environment rabbit will kindle more bunnies during these months due to which necessary reproductive management must be followed.
9. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).

Agricultural advisory

Rice:

To control leaf folder, spray chlorantraniliprole 18.5% SC @ 6mg per 10 litre of water. Spray 1% PPFM and incorporate the multiplied azolla insitu in the field for decomposition to release nitrogen.

Banana:

To control wilt in banana, apply *Bacillus subtilis* and *Trichoderma viride* @ 2.5 kg/ha. or drenching with *Bacillus subtilis* 5 ml/litre. To overcome micro nutrient deficiency and to improve quality of banana fruit micronutrient plays a major role. Micro nutrient can be sprayed at 3,5 and 7 months after planting of banana.

Coconut:

Apply coconut husks with convex surface facing upwards (100 Nos.) or dried coconut leaves (15 Nos) or coir pith up to a height of 10 cm in the basin of 1.8 m radius around the palms as mulch for soil moisture conservation particularly during summer season. Husk burial can be done in coconut basins or in the interspaces to overcome drought and button shedding. Bury husks @ 100 Nos. with concave surface facing upwards or 25 kg of coir pith /palm in circular trenches, dug 30 cm width and 60 cm depth at 1.5 meters radius.

Chilli:

Prevailing weather condition is favorable for thrips incidence in chilli. The symptom of damage is infected leaves develop crinkles and curl upwards. Hence farmers are requested to monitor the field and spray fipronil 1.5ml/litre.

Mango:

NAA 20 PPM is sprayed at flowering to increase fruit retention during February 0.5 % urea (5g / lit) or 1 % potassium nitrate (10 g/lit) maybe sprayed to induce flowering, if trees do not flower by that time.

Sugarcane:

Trash mulching - removal of dry trash at 5th month and leave it as mulch, in the field to conserve soil moisture.

Thiruvallur

General Advisory:

From extended range forecast Above normal rainfall, Normal maximum and minimum temperature expected for the period of 12.03.2023 to 18.03.2023 over Tamil Nadu.

SMS Advisory:

Dry weather condition may be expected for forthcoming days, so farmers are advised to irrigate the crop based on the soil moisture.

Crop Specific Advisory:

| Crop(Varieties) | Crop Specific Advisory |
|-----------------|--|
| RICE | Rice- Nursery to Stem Elongation Stage- 1.Thrips- Spray azadirachtin 0.15% @ 600-1000 ml/acre (Or) Spray Thiamethoxam 25 WG @ 40 g/acre; 2.Stem bore- Spray Azadirachtin 0.03% 400 ml (Or) Flubendiamide 20% WG 50g per acre in 200 litres of water; 3.Algal growth- Apply for Copper sulfate 1 kg/ acre in mix with irrigation water; 4.Leaf folder Spray Acephate 75 % SP 400 ml (Or) Spray Azadirachtin 0.03% 400ml per acre in 200 litres of water; 5. Rice blast - Spray Propiconazole 75 WP @ 200ml per acre in 200 litres of water (or) spray Tricyclozole @ 2g/lit of water. |
| BLACK GRAM | 1. White fly- Spray Methyl demeton 25% EC 500 ml (or) Spray Dimethoate 30% EC 500 ml per acre in 200 litres of water; 2. Tobacco caterpillar- Spray Chlorantraniliprole 18.5% SC 60 ml (or) Spray Flubendiamide 40 ml per acre in 200 litres of water; 3. Spotted pod borer- Spray Thiodicarb 75% WP 250g per acre in 200 litres of water . |
| GREEN GRAM | 1. White fly- Spray Methyl demeton 25% EC 500 ml (or) Spray Dimethoate 30% EC 500 ml per acre in 200 litres of water; 2. Tobacco caterpillar- Spray Chlorantraniliprole 18.5% SC 60 ml (or) Spray Flubendiamide 40 ml per acre in 200 litres of water; 3. Spotted pod borer- Spray Thiodicarb 75% WP 250g per acre in 200 litres of water . |

Horticulture Specific Advisory:

| Horticulture(Varieties) | Horticulture Specific Advisory |
|-------------------------|--|
| CHILLI | Thrips- Spray imidacloprid 17.8% SL 3 ml/ 10 litre of water (OR) Spray fipronil 5%SC 1.5 ml/ 1liter of water. |
| BRINJAL | Fruit borer- Spray Neem Seed Kernel Extract 5 % (or) Spray Dimethoate 30 % EC 7.0 ml/10 l. and Encourage the activity of larval parasitoids: <i>Pristomerus testaceus</i> , <i>Cremastus flavoorbitalis</i> . |
| MANGO | Leaf Hopper- Spray Thiamethoxam 25WG 1.0 g/10 l (or) Spray Buprofezin 25SC 1.0 ml/l. and Neem oil @ 5 ml/l of water can be mixed with any insecticides for the control of hopper. Spray any of the following insecticides first at the time of inflorescence emergence and the second two weeks after first spray. |

Vellore

General Advisory:

As per the IMD extended range forecast (ERF), generally above normal rainfall and normal temperature is likely over Tamil Nadu and Puducherry during March 12th to 18th 2023. Prevailing weather condition is favorable for powdery mildew disease incidence for all Gourds and Lab-Lab crops. Farmers are advised to monitor their field and take necessary plant protection measures based on symptoms of damage.

SMS Advisory:

Dry weather may be expected on forthcoming days. So, farmers are advised irrigate the field based on soil moisture and provide mulching to the vegetable crops.

Crop Specific Advisory:

| Crop(Varieties) | Crop Specific Advisory |
|-----------------|--|
| RICE | To control leaf folder, spray chlorantraniliprole 18.5% SC @ 6mg per 10 litre of water. Spray 1% PPFM and incorporate the multiplied azolla insitu in the field for decomposition to release nitrogen. |
| SUGARCANE | Trash mulching - removal of dry trash at 5th month and leave it as mulch, in the field to conserve soil moisture. |

Horticulture Specific Advisory:

| Horticulture(Varieties) | Horticulture Specific Advisory |
|-------------------------|---|
| BANANA | To control wilt in banana, apply Bacillus subtilis and Trichoderma viride @ 2.5 kg/ha. or drenching with Bacillus subtilis 5 ml/litre. To overcome micro nutrient deficiency and to improve quality of banana fruit micronutrient plays a major role. Micro nutrient can be sprayed at 3, 5 and 7 months after planting of banana. |
| COCONUT | Apply coconut husks with convex surface facing upwards (100 Nos.) or dried coconut leaves (15 Nos) or coir pith up to a height of 10 cm in the basin of 1.8 m radius around the palms as mulch for soil moisture conservation particularly during summer season. Husk burial can be done in coconut basins or in the interspaces to overcome drought and button shedding. Bury husks @ 100 Nos. with concave surface facing upwards or 25 kg of coir pith /palm in circular trenches, dug 30 cm width and 60 cm depth at 1.5 meters radius. |
| CHILLI | Prevailing weather condition is favorable for thrips incidence in chilli. The symptom of damage is infected leaves develop crinkles and curl upwards. Hence farmers are requested to monitor the field and spray fipronil 1.5ml/litre. |
| MANGO | NAA 20 PPM is sprayed at flowering to increase fruit retention during February 0.5 % urea (5g / lit) or 1 % potassium nitrate (10 g/lit) maybe sprayed to induce flowering, if trees do not flower by that time. |

Live Stock Specific Advisory:

| | |
|-----------------------|---|
| Live Stock(Varieties) | Live Stock Specific Advisory |
| COW | During night, all the animals should be tethered in a covered shelter. To maintain the bodytemperature of animals in milk, they should be fed with a mixture of oil cakes and 100 gram of jiggery per cow. Give mineral mixture 30 gram/cow. |
| GOAT | Deworm the non-pregnant animals with liquid oxychloxamide @ 5mg/kg of body weight. Vaccinate against P.P.R and enterotoxemia. If nasal discharge and cold administer Bolus sulphadimidine 5 gram per adult animal, half of bolus per young animals. |

Poultry Specific Advisory:

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|--------------------|---|
| Poultry(Varieties) | Poultry Specific Advisory |
| HEN | Brooding of chicks upto one month of age with pot or electrical means. Give lukewarm water for drinking during night and morning. Give powder Neodox forto@ 1gram per two litres of drinking water. |

Cuddalore**General Advisory:**

From extended range forecast above normal rainfall, normal maximum temperature and minimum temperature expected for the period of 12.03.2023 to 18.03.2023 over Tamil Nadu.

SMS Advisory:

Dry weather will be expected on forthcoming days. So farmers are advised to irrigate crop based on the soil moisture.

Crop Specific Advisory:

| | |
|-----------------|--|
| Crop(Varieties) | Crop Specific Advisory |
| RICE | 1. 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. 2. 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. |
| BLACK GRAM | Due to prevailing weather condition changes of blackgram powdery mildew infection. Symptoms are white powdery patches appear on leaves and other green parts which later become dull coloured. These patches gradually increase in size and become circular covering the lower surface also. When the infection is severe, both the surfaces of the leaves are completely covered by whitish powdery growth. Severely affected parts get shriveled and distorted. In severe infections, foliage becomes yellow causing premature defoliation. To control spray carbendazim @ 200 g/ac or wettable sulphur 600 g/ac at initiation of the disease and 10 days later. |

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|--------------------------|--|
| SESAME (GINGELLY/TIL) | Saseme growing farmers are advised to treat the seed with Trichoderma @ 4g/kg or treat the seed with carbendazim at 2.0 g/kg of seeds before sowing to control root rot infection. |
|--------------------------|--|

Horticulture Specific Advisory:

| Horticulture(Varieties) | Horticulture Specific Advisory |
|-------------------------|--|
| CASHEW | To control tea mosquito bug first spraying with thiamethoxam 25% WG (100 g/ha) at flushing stage, second spraying with chlorpyrifos 2.0 ml/lit at flowering and third spraying with profenophos 1.0 ml/lit at fruit set stage. |
| COCONUT | 1. Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. 2. Encourage buildup of parasitoids (Encarsia sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. 3. 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. |

Live Stock Specific Advisory:

| Live Stock(Varieties) | Live Stock Specific Advisory |
|-----------------------|--|
| GOAT | Farmers are advised to apply Butox solution (2 ml in 1 litre water) externally to remove ecto-parasites in sheep and goats |

Coimbatore

Agro Advisory

| Crop | Stage | Advisory |
|------------|------------|---|
| General | | Clear sky and dry days with wind speed of 4-6 km/hr is expected in western zone during next five days. Temperature is increasing. Dry days are continued. Provide irrigation based on soil moisture during evening hours and apply mulches to conserve moisture. By utilizing dry weather harvested produce may be dried and stored properly. |
| Maize | Flowering | As maize crop is most sensitive to moisture stress at 45 to 65 days after sowing, ensure optimum moisture availability by providing irrigation to avoid yield loss at harvest. |
| Sugarcane | Vegetative | Since dry weather is continuing, early shoot borer incidence in sugarcane may be increased. Hence farmers are requested to provide frequent irrigation to keep the field wet and do mulching. |
| Vegetables | Vegetative | Since temperature starts increasing, sucking pest like aphids, Thrips, Leaf Minor and Jassids may increase in Vegetable crops. If needed spray 5% Neem Seed Kernel Extract. |
| Banana | Planting | Dry wind with 4- 6 km is expected in Western Zone districts. Protect the 5 months and above old Banana from lodging with adequate support. |
| Coconut | | With rising temperature and windspeed, minimum of 60 litre of water / tree through drip irrigation may be applied to meet the demand. Coconut husks or coconut fronts may be applied around the trees to conserve moisture. |
| Animal | | Provide clean drinking water to animals and poultry enough to meet the hot dry weather. Considering the rising maximum temperature and high morning relative humidity, it |

| | | |
|--|--|--|
| | | <p>is proposed give Foot and Mouth diseases vaccination to all cattle's and buffalo.</p> <p>Vaccination to the sheep may be done in near be veterinary hospital against the fox disease</p> <p>Considering the temperature rise, milch animals need mineral mixture and hence 50grams of TANUVAS smart mineral mixture per animal per day may be mixed along with animal feed. Since temperature is rising provide enough drinking water.</p> <p>Considering the increasing temperature, artificial insemination to animals may be done in morning before 11am after cooling the animals by bathing.</p> |
|--|--|--|

SMS advisory

Coconut husks or coconut fronts may be applied around the trees to conserve moisture.

Erode

Agro Advisory

| Crop | Stage | Advisory |
|------------|------------|---|
| General | | <p>Clear sky and dry days with wind speed of 4-8 km/hr is expected in western zone during next five days. Temperature is increasing.</p> <p>Dry days are continued. Provide irrigation based on soil moisture during evening hours and apply mulches to conserve moisture.</p> <p>By utilizing dry weather harvested produce may be dried and stored properly.</p> |
| Maize | Flowering | <p>As maize crop is most sensitive to moisture stress at 45 to 65 days after sowing, ensure optimum moisture availability by providing irrigation to avoid yield loss at harvest.</p> |
| Sugarcane | Vegetative | <p>Since dry weather is continuing, early shoot borer incidence in sugarcane may be increased. Hence farmers are requested to provide frequent irrigation to keep the field wet and do mulching.</p> |
| Vegetables | Vegetative | <p>Since temperature starts increasing, sucking pest like aphids, Thrips, Leaf Minor and Jassids may increases in Vegetable crops. If needed spray 5% Neem Seed Kernal Extract.</p> |
| Banana | Planting | <p>Dry wind with 4- 8 km is expected in Western Zone districts. Protect the 5 months and above old Banana from lodging with adequate support.</p> |
| Coconut | | <p>With rising temperature and wind speed, minimum of 60 liter of water / tree through drip irrigation may be applied to meet the demand.</p> <p>Coconut husks or coconut fronts may be applied around the trees to conserve moisture.</p> |
| Animal | | <p>Provide clean drinking water to animals and poultry enough to meet the hot dry weather.</p> <p>Considering the rising maximum temperature and high morning relative humidity, it is proposed give Foot and Mouth diseases vaccination to all cattle's and buffalo.</p> <p>Vaccination to the sheep may be done in near be veterinary hospital against the fox disease</p> <p>Considering the temperature rise, milch animals need mineral mixture and hence 50grams of TANUVAS smart mineral mixture per animal per day may be mixed along with animal feed. Since temperature is rising provide enough drinking water.</p> <p>Considering the increasing temperature, artificial insemination to animals may be done in morning before 11am after cooling the animals by bathing.</p> |

SMS advisory

Coconut husks or coconut fronts may be applied around the trees to conserve moisture.

Tiruppur

Agro Advisory

| Crop | Stage | Advisory |
|------------|------------|---|
| General | | Clear sky and dry days with wind speed of 4-8 km/hr is expected in western zone during next five days. Temperature is increasing. Dry days are continued. Provide irrigation based on soil moisture during evening hours and apply mulches to conserve moisture. By utilizing dry weather harvested produce may be dried and stored properly. |
| Maize | Flowering | As maize crop is most sensitive to moisture stress at 45 to 65 days after sowing, ensure optimum moisture availability by providing irrigation to avoid yield loss at harvest. |
| Sugarcane | Vegetative | Since dry weather is continuing, early shoot borer incidence in sugarcane may be increased. Hence farmers are requested to provide frequent irrigation to keep the field wet and do mulching. |
| Vegetables | Vegetative | Since temperature starts increasing, sucking pest like aphids, Thrips, Leaf Minor and Jassids may increase in Vegetable crops. If needed spray 5% Neem Seed Kernel Extract. |
| Banana | Planting | Dry wind with 4- 8 km is expected in Western Zone districts. Protect the 5 months and above old Banana from lodging with adequate support. |

| | | |
|---------|--|--|
| Coconut | | With rising temperature and wind speed, minimum of 60 litre of water / tree through drip irrigation may be applied to meet the demand. Coconut husks or coconut fronts may be applied around the trees to conserve moisture. |
| Animal | | Provide clean drinking water to animals and poultry enough to meet the hot dry weather. Considering the rising maximum temperature and high morning relative humidity, it is proposed give Foot and Mouth diseases vaccination to all cattle's and buffalo. Vaccination to the sheep may be done in near be veterinary hospital against the fox disease Considering the temperature rise, milch animals need mineral mixture and hence 50grams of TANUVAS smart mineral mixture per animal per day may be mixed along with animal feed. Since temperature is rising provide enough drinking water. Considering the increasing temperature, artificial insemination to animals may be done in morning before 11am after cooling the animals by bathing. |

SMS advisory

Coconut husks or coconut fronts may be applied around the trees to conserve moisture.

Nilgiris

General Advisory:

To manage nematode in potato, avoid growing potato continuously in the same field; soil application of *Purpureocillium lilacinum* @ 5kg/ha mixed with 250kg FYM is recommended.

SMS Advisory:

To manage aphids and jassids in bitter melon, foliar application of imidacloprid 70WG 1.0g/10lit. is recommended.

Crop Specific Advisory:

| Crop(Varieties) | Crop Specific Advisory |
|-----------------|---|
| GARLIC | Foliar application of water-soluble micro nutrient mixture @ 0.5 g/liter of water during 30, 45 and 60 days after planting may be done to increase the Garlic bulb yield. |

Ariyalur, Karur, Nagapattinam, Perambalur, Thanjavur and Thiruvarur

AGRO ADVISORY

| Crop | Stage | Advisory |
|------------|--------------------|--|
| Sesame | Sowing | Sesame varieties suitable for Masipattam are TMV 4, VRI 1 and TMV 7. |
| Black gram | Flowering | In rice fallow black gram, spray DAP (2%) + KCl (1%) solution on morning or evening at flower initiation and another at 15 days interval. Alternatively “pulse wonder” at 5.0 kg/ha can be sprayed during flower initiation. |
| Sugarcane | Grand growth stage | Trash mulching - removal of dry trash at 5th month and leave it as mulch, in the field to conserve soil moisture. |
| Cattle | Cow | Feed animal with a mixture of oil cakes and 100 gram of jaggery per cow to maintain the body temperature of animals. Providing mineral mixture @ 30 gram/cow is also beneficial. |

Sms advisory

Sesame varieties suitable for Masipattam are TMV 4, VRI 1 and TMV 7.

Dindigul

General advisory

To protect your animal, ensure the increased mineral supplementation to the animals during hot weather to meet the increased demand of minerals. Potassium rich mineral mixture should be preferred for your cattle. During the daytime, cover the sides of cow shed with wet gunny bags. Animals can be fed with drinkingwater @ 80 – 100 litres per day per animal in four splits.

Sms advisory

Chances of light rain on 11 Mar. Max temp- 36°C- 37°C & Min temp -22°C- 23°C. Clear sky will appear for the next four days. Wind speed 4-6 kmph from NE direction.

Horticulture

| Horticulture(Varieties) | Horticulture Specific Advisory |
|-------------------------|---|
| Drumstick | The incidence of the Budworm is expected in Moringa. This Larva bores into flower buds and causes shedding. Collect affected buds and destroy the flower and buds. To control spray Neem oil @ 35ml + Sticky agent @ 10ml with 10litres of water. |

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| COCONUT | The incidence of shoot rot is noticed in Coconut. Palms of all ages are susceptible, but normally young palms are more susceptible, particularly during monsoons. In tender, the leaf base and soft tissues of the crown, rot into a slimy mass of decayed material, emitting a foul smell. The basal tissues of the leaf rot quickly and can be easily pulled out from the crown. Ultimately the entire crown falls down and the palm dies. Remove all the affected tissue of the crown region and drench the crown with Copper oxychloride 0.25% Rhino beetles are generally attracted by this rot smell. The movement of rhino beetles can be monitored using the bucket trap with Rhino lure @ 2 no. per acre. This will protect the tree. |
|---------|--|

Live stock specific advisory

| Live Stock (Varieties) | Live Stock Specific Advisory |
|------------------------|--|
| COW | Due to the prevailing weather condition, your cattle may be affected by issues like respiratory distress and mucous discharge from the mouth. To overcome these problems, farmers are advised to prepare and feed the mixture balls. Take an equal amount of Jaggery, Cumin seed, and Onion. Grind the ingredients and make them round balls. Feed these balls to the affected cow at the morning and evening hours. |

Madurai

General advisory

To protect your animal, ensure the increased mineral supplementation to the animals during hot weather to meet the increased demand of minerals. Potassium rich mineral mixture should be preferred for your cattle.

During the daytime, cover the sides of cow shed with wet gunny bags. Animals can be fed with drinking water @ 80 – 100 litres per day per animal in four splits.

Sms advisory

Chances of light rain on 11 Mar. Max temp- 36°C- 37°C & Min temp -22°C- 23°C. Clear sky will appear for the next four days. Wind speed 4-6 kmph from NE direction.

Horticulture

| Horticulture (Varieties) | Horticulture Specific Advisory |
|--------------------------|---|
| CHILLI | To control the flower, and fruit falling and to increase the fruit set in the chilly crop, farmers are advised to spray NAA 10ppm (10 mg/l of water) on the 60th and 100th days after planting. And spray Triacotanol @ 1.25 ml/l on 20, 40, 60 and 80th day of planting. |

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|--------|--|
| BANANA | <p>The incidence of Pseudostem weevil /borer (<i>Odoiporus longicollis</i>) is noticed in Banana fields. The Pseudostem weevils are normally black colour ones, but red colour variants are also found in some areas. The pest breeds and become more active during summer and monsoon seasons. Early symptoms of infestation are the presence of small pin-head size holes on the pseudo stem, fibrous extrusions from bases of the leaf petioles and exudation of a gummy substance from the holes of the pseudo stem. To control this, Keep the plantation clean, remove trashes and burn them. Use Pheromone traps @ 2 traps/acre to attract and destroy the weevils. Method to trap the weevil with split pseudo stem: The freshly cut pseudo stem is a good breeding place for weevils. So, after the bunch has been harvested, cut the pseudo stem close to the ground then cut it into small pieces in lengths of up to 60 cm, split each along its length. The open cut side of the pseudostem cut pieces of about 30 to 40 numbers (split traps) can be sprayed with 0.5% solution of <i>Beauveria bassiana</i> or <i>Metarhizium anisopliae</i>, and place them in the soil, as the cut portion faces the ground. These cut pieces (split traps) attract adult female weevils to feed and lay their eggs. As soon as the larvae emerge, these pieces become dry and eventually the larvae die because of dehydration.</p> |
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Live stock specific advisory

| Live Stock(Varieties) | Live Stock Specific Advisory |
|-----------------------|---|
| COW | <p>Due to the prevailing weather condition, your cattle may be affected by issues like respiratory distress and mucous discharge from the mouth. To overcome these problems, farmers are advised to prepare and feed the mixture balls. Take an equal amount of Jaggery, Cumin seed, and Onion. Grind the ingredients and make them round balls. Feed these balls to the affected cow at the morning and evening hours.</p> |

Pudukottai

General advisory

Extended Range Forecast For TamilNadu & Puducherry (12 .03 .2023-18.03 .2023): During the Week from 12 th to 18 th March, Above Normal is likely to occur over Tamilnadu & Puducherry. Maximum temperature and minimum temperature Normal is likely to occur over Tamilnadu

Sms advisory

The optimum time of sowing for VRI (SV) 1 sesame is first fortnight of March under summer irrigated conditions

Crop specific advisory

| Crop(Varieties) | Crop Specific Advisory |
|-----------------|------------------------|
|-----------------|------------------------|

| | |
|------------|---|
| GINGELLY | Prevailing high temperature is favourable for the sucking pest incidence in sesame. Hence farmers are requested to monitor the field, if necessary spray any systemic insecticides. |
| BLACK GRAM | Farmers who have cultivated In black gram In rice fallow should apply 4 kg of DAP per acre at the time of flowering and soak it in 20 liters of water for one day and then mix the filtered water with 180 liters of water in the morning or evening at intervals of 15 days. Spray with hand sprayer. Pure Water instead of DAP solution; Spray pulse wonder @2 kg per acre. |

Horticulture

| Horticulture (Varieties) | Horticulture Specific Advisory |
|--------------------------|--|
| COCONUT | Prevailing hot weather may be favorable for spirality white fly in Coconut. Hence farmers are requested to monitor the incidence and fix yellow sticky traps in 5-6 places / acre. |
| Drumstick | The prevailing weather condition is favorable for fruit fly incidence in drumstick. To control the above pest, spray of Neem Seed Kernel Extract 5% is recommended. |
| GUAVA | Guava In Guava, combined spray at Zn, mg, Mn, (0.5% each) and copper and iron (0.25% each) increased new fresh and controlled bronzing of leaves. |
| BANANA | To control sigatoka leaf spot in banana, during Shooting state spraying of propiconazole 1 ml / litre + teepol 0.5 ml / litre may be done. |
| MANGO | Spray two rounds of Acephate @ 1 g / litre or phasolone @ 1.5 ml / litre along with sticking agent @ 10 ml / litre of water for management of leaf hopper. |

Other specific advisory

| Others (Soil / Land Preparation) (Varieties) | Others (Soil / Land Preparation) Specific Advisory |
|--|--|
| GENERAL ADVICE | Nutrient deficiency and pest problem may occur in all the crops which are above 30 – 45 days old agricultural and vegetable crops in summer season. It can be controlled by spraying of 350 ml Panchakavya mixed with 15 ml of sticking agent in 10 litres of water twice at 15 days interval. |

Ramanathapuram

General advisory

From extended range forecast, Above normal rainfall, Normal maximum temperature and Minimum temperature expected for the period of March 08 to March 14 over Tamil Nadu

Sms advisory

By spraying of pulse wonder @ 2 kg per acre through the leaf at the time of flowering to get a higher yield in blackgram and improve the soil fertility

Horticulture

| Horticulture(Varieties) | Horticulture Specific Advisory |
|-------------------------|---|
| CHILLI | Due to the prevailing day time temperature and humidity is favourable for incidence of die back and fruit rot in chilli. Diseased plant branches and younger leaves get withered. Brown discoloration and small black spot appears on infested fruits. If symptoms noticed adopt the recommended action of spraying of Copper oxychloride 50 WP @ 500 g/ac or Mancozeb 75 WP @ 400 g/ac with 200 liter of water (3 times at 15 days interval). |
| COCONUT | Due to the prevailing weather condition incidence of incidence of thanjore wilt is expected in coconut. Initial symptoms of Thanjore wilt start with yellowing and drooping of the outer whorl of leaves followed by exudation of reddish brown liquid through cracks at the base of the trunk and decaying of tissues at bleeding point. To manage the wilt, spray Hexaconazole 5 SC 2 ml with 100 ml of water applied as root feeding (3 times at 3 months interval). |
| CHILLI | Due to the prevailing day time temperature and humidity is favourable for incidence of die back and fruit rot in chilli. Diseased plant branches and younger leaves get withered. Brown discoloration and small black spot appears on infested fruits. If symptoms noticed adopt the recommended action of spraying of Copper oxychloride 50 WP @ 500 g/ac or Mancozeb 75 WP @ 400 g/ac with 200 liter of water (3 times at 15 days interval). |
| COCONUT | Due to the prevailing weather condition incidence of incidence of thanjore wilt is expected in coconut. Initial symptoms of Thanjore wilt start with yellowing and drooping of the outer whorl of leaves followed by exudation of reddish brown liquid through cracks at the base of the trunk and decaying of tissues at bleeding point. To manage the wilt, spray Hexaconazole 5 SC 2 ml with 100 ml of water applied as root feeding (3 times at 3 months interval). |

Sivagangai

General advisory

To protect your animal, ensure the increased mineral supplementation to the animals during hot weather to meet the increased demand of minerals. Potassium rich mineral mixture should be preferred for your cattle.

During the daytime, cover the sides of cow shed with wet gunny bags. Animals can be fed with drinking water @ 80 – 100 litres per day per animal in four splits

Sms advisory

For the next five days, Max temp- 36°C- 37°C & Min temp -22°C- 23°C. Clear sky will appear for the next four days. Wind speed 6-8 kmph from NE, SE & E directions

Horticulture

| Horticulture(Varieties) | Horticulture Specific Advisory |
|-------------------------|--|
| BRINJAL | The occurrence of root-knot nematodes and reniform nematodes was noticed in vegetable crops. The nematode-infested field shows day wilting symptoms and also galls in the root. Farmers are advised to apply neem cake @ 400kg/ha and intercrop with marigold and also apply <i>Purpureocillium lilacinum</i> @ 2½ kg/ha mixed with 100 kg of FYM. |
| TOMATO | The incidence of Blight disease is noticed in Tomato crops. The symptoms are as follows, Leaf spots are round, and brown and can grow up to half an inch in diameter. Larger spots have target-like concentric rings. The tissue around spots often turns yellow. Severely infected leaves turn brown and fall off, or dead, dried leaves may cling to the stem. Remove and destroy the affected plant parts. To prevent the crop from this disease, alternate foliar spray or drenching of <i>Pseudomonas</i> , <i>Trichoderma viride</i> , and <i>Bacillus subtilis</i> @ 10gms per litre of water in 10 days intervals. If severely affected foliar spray of Copper hydroxide or Chlorothalonil @ 2gms per litre of water is recommended. |

Live stock specific advisory

| Live Stock(Varieties) | Live Stock Specific Advisory |
|-----------------------|--|
| COW | Due to the prevailing weather condition, your cattle may be affected by issues like respiratory distress and mucous discharge from the mouth. To overcome these problems, farmers are advised to prepare and feed the mixture balls. Take an equal amount of Jaggery, Cumin seed, and Onion. Grind the ingredients and make them round balls. Feed these balls to the affected cow at the morning and evening hours. |

Theni

General advisory

To protect your animal, ensure the increased mineral supplementation to the animals during hot weather to meet the increased demand of minerals. Potassium rich mineral mixture should be preferred for your cattle.

During the daytime, cover the sides of cow shed with wet gunny bags. Animals can be fed with drinking water @ 80 – 100 litres per day per animal in four splits.

Sms advisory

For the next five days, Max temp- 36°C- 37°C & Min temp -22°C- 23°C. Clear sky will appear for the next four days. Wind speed 6 kmph from NE direction

Horticulture

| Horticulture(Varieties) | Horticulture Specific Advisory |
|-------------------------|--|
| MANGO | The incidence of Hopper is noticed in Mango. The symptom of damage appears on inflorescence. The nymphs and adults suck the sap of inflorescence, and the inflorescence gets withered. At the crucial stage, flower buds and flowers get shedding. To control this, foliar spray of Metarhizium anisopliae @ 5gms and Verticillium lecanii @ 5gms per litre of water. Or By Chemical method, spray Imidachlopride @ 20 ml + Sticky agent 10ml with 10 litres of water. |
| MARIGOLD | Red spiders may be widely seen in the Marigold flower crop. These insects absorb sap from the leaves and flowers of the plants. During a severe infestation, the flowers dry up. To control this, spray Propargite @ of 1½ ml per litre of water. |

Live stock specific advisory

| Live Stock(Varieties) | Live Stock Specific Advisory |
|-----------------------|---|
| COW | Due to the prevailing weather condition, your cattle may be affected by issues like respiratory distress and mucous discharge from the mouth. To overcome these problems, farmers are advised to prepare and feed the mixture balls. Take an equal amount of Jaggery, Cumin seed, and Onion. Grind the ingredients and make them round balls. Feed these balls to the affected cow at the morning and evening hours |

Tirunelveli

Agromet Advisory

| Crop | Stage | Crop Specific Advisory |
|-----------------|--------------------|--|
| Irrigated crops | Water management | Light rainfall received during previous week and chance for very light rainfall on day 1, day 4 and day 5. However, Farmers are requested to irrigate the crop based on the crop requirement and local weather. |
| General | Temperature | Non recording of rainfall area with increase in minimum temperature during preceding week, crop may be undergone stress and increase in maximum temperature in the coming week triggers the pest. So, farmers are requested to spray neem oil once in 15 days as preparatory measures. |
| Vegetables | Temperature | Increase in maximum temperature, chance for increase of sucking pest. Farmers were advise to monitor the sucking pest and precaution may be given. Farmers are advised to use the yellow sticky trap @ 10-15/acre to monitor the incidence of sucking pests and Blue sticky trap @ 5-10/acre to monitor the Aphids and leaf miner. |
| Rice | Booting to Milking | Prevailed weather is conducive for Blast. So, farmers are advised to |

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| | stage | spray Azoxystrobin 25 SC @ 500 ml/ha Prevailed weather is conducive for Leaf spot. Spray Mancozeb (2.0g/lit). |
| Sugarcane | Tillering to Flowering stage | Prevailed weather and crop stage is conducive for Inter node borer. To control Collect and destroy the eggs periodically. Detrash the crop on 150 th and 210 th day of planting. Detrashing dislodge the pupae that remain in the leaf sheath. Install pheromone traps @ 10 Nos. /ha for surveillance and monitoring, change the septa/lure once in 45 days. |
| Coconut | All stages | All stages- Rugose Spiralling whitefly is noticed in the prevailed weather condition. Application of water, maida solution as spray in order to increase the population of Encarsia parasitic. Also keep yellow stick trap. |
| Chilli | Fruiting stage | Very light rainfall is predicted, farmers are requested to harvest the fruit to avoid fungal infestation during storage. if rainfall occurrence is noticed, responsible for spread of Anthracnose. Chemicals like wettable sulphur 0.2%, copper oxychloride 0.25% and Zineb 0.15% not only reduced the disease incidence but also increased the yield of fruits. Spraying of Essential oil - Nigella sativa - antimicrobial activity. High Temperature is conducive for Gram caterpillar @ Emamectin benzoate 5 % SG @ 4 g/10 lit. |
| Livestock | Goat | Deworm the non-pregnant animals with liquid oxychloxamide @ 5mg/kg of body weight. Vaccinate against P.P.R and enterotoxemia. If nasal discharge and cold administer Bolus sulphadimidine 5 gram per adult animal, half of bolus per young animals. |
| | Milch animals | Maximum temperature results to rise in body temperature, increased pulse rate, increased peripheral blood flow, reduced feed intake, and increased water intake. Measures like Thatching the roof with materials like paddy straw etc, painting the roof with white paint or, providing a false ceiling insulation will help provide a cooler environment. Create barriers against hot wind using thatched wall or wet gunny cloth/ gunny bags. Ensure increased mineral supplementation during hot weather to meet the increased demand of minerals. Potassium rich mineral mixture should be preferred. |

SMS: Rain: 8,10&11.03-1,1&2 mm. Based on rainfall, irrigation may be planned. Vegetable crops- fruit to be harvested to avoid economic loss.

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| Tamil Nadu | | |
| Next five days | Weather warning | Light / moderate rain is likely to occur at isolated places over South Tamilnadu on Day 1 (08-03-2023) and Day 5 (12-03-2023). Light / moderate rain is likely to occur at isolated places over South Tamilnadu, Delta & adjoining districts and Karaikal area on Day 2 (09-03-2023), Day 3 (10-03-2023) and Day 4 (11-03-2023). |

Thoothukudi:

Agromet Advisory Thoothukudi district

| Crop | Stage | Crop Specific Advisory |
|-----------------|------------------|---|
| Irrigated crops | Water management | Light rainfall received during previous week and chance for very light rainfall on day 1 to day 5. However, Farmers are requested to irrigate the crop based on the crop requirement and local weather. |

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| General | Temperature | Non recording of rainfall area with increase in minimum temperature during preceding week, crop may be undergone stress and increase in maximum temperature in the coming week triggers the pest. So, farmers are requested to spray neem oil once in 15 days as preparatory measures. |
| Vegetable | Temperature | Increase in maximum temperature, chance for increase of sucking pest. farmers were advise to monitor the sucking pest and precaution may be given. Farmers are advised to use the yellow sticky trap @ 10-15/acre to monitor the incidence of sucking pests and Blue sticky trap @ 5-10/acre to monitor the Aphids and leaf miner. If rainfall occurrence was not noticed avoid spray. |
| Jasmine | Flowering stage | Prevailing weather is conducive for Blossom midge. Spray Thiamethoxam 2.5% WG @ 0.75 g/litre (or) Novaluron 3ml/lit. of water. |
| Chilli | Fruiting stage | Very light rainfall is predicted, farmers are requested to harvest the fruit to avoid fungal infestation during storage. if rainfall occurrence is noticed, responsible for spread of Anthracnose. Chemicals like wettable sulphur 0.2%, copper oxychloride 0.25% and Zineb 0.15% not only reduced the disease incidence but also increased the yield of fruits. Spraying of Essential oil - Nigella sativa - antimicrobial activity. High Temperature is conducive for Gram caterpillar @ Emamectin benzoate 5 % SG @ 4 g/10 lit. |
| Coconut | All stages | All stages- Rugose Spiralling whitefly is noticed in the prevailed weather condition. Application of water, maida solution as spray in order to increase the population of Encarsia parasitic. Also keep yellow stick trap. |
| Livestock | Goat | Deworm the non-pregnant animals with liquid oxychloxamide @ 5mg/kg of body weight. Vaccinate against P.P.R and enterotoxemia. If nasal discharge and cold administer Bolus sulphadimindine 5 gram per adult animal, half of bolus per young animals. |
| | Milch animals | Maximum temperature results to rise in body temperature, increased pulse rate, increased peripheral blood flow, reduced feed intake, and increased water intake. Measures like Thatching the roof with materials like paddy straw etc, painting the roof with white paint or, providing a false ceiling insulation will help provide a cooler environment. Create barriers against hot wind using thatched wall or wet gunny cloth/ gunny bags. Ensure increased mineral supplementation during hot weather to meet the increased demand of minerals. Potassium rich mineral mixture should be preferred. |

SMS:Rain 08-11.03-1,1,1&1mm Based on rainfall, irrigation may be planned. Vegetable crops- fruit to be harvested to avoid economic loss.

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| Tamil Nadu | | |
| Next five days | Weather warning | Light / moderate rain is likely to occur at isolated places over South Tamilnadu on Day 1 (08-03-2023) and Day 5 (12-03-2023). Light / moderate rain is likely to occur at isolated places over South Tamilnadu, Delta & adjoining districts and Karaikal area on Day 2 (09-03-2023), Day 3 (10-03-2023) and Day 4 (11-03-2023). |

Virudhunagar

Agromet Advisory

| Crop | Stage | Crop Specific Advisory |
|---------|-------------|--|
| General | Temperature | Crop may be undergone stress due to increase in minimum temperature during preceding week and increase in maximum temperature in the coming week triggers the pest. So, farmers are requested to spray neem oil once in 15 days as preparatory |

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| | | measures. |
| Irrigated crops – Green gram, black gram groundnut | Water management | Dry weather during last week and for the coming five days, farmers are requested to irrigate the crop in frequent interval. |
| Agricultural crops – vegetative stage Vegetable crops – all stages | Temperature | Increase in maximum temperature, chance for increase of sucking pest. Farmers were advising to monitor the sucking pest and precaution may be given. Farmers are advised to use the yellow sticky trap @ 10-15/acre to monitor the incidence of sucking pests and Blue sticky trap @ 5-10/acre to monitor the Aphids and leaf miner. |
| Groundnut | vegetative stage | Sucking Pest infestation in Groundnut: Aphids, thrips and leafhopper infestation will be expected. 1. Yellowing in leaves or leaves mottle with chlorotic or dark green spots. 2. Stunted growth. 3. Brown necrotic areas and silvery streaks on lower surface. Management: 1. <u>NSK</u> (Neem seed Kernel extract) @5%. <u>2. Installation</u> of yellowing and Blue sticky traps @5no./acre.3. Spray with imidacloprid 17.8% SL 100-125ml/ha. |
| Guava | Fruiting stage | Guava styler end rot disease: Pathogens <i>Phomopsis psidii</i> (A fungus) 1. Symptoms: Discoloration/ Symptoms seen in the region below the persistent calyx. 2. Affected area increases in size and became soft.3. Mesocarp tissue also shows discoloration and diseased area became pulpy. 4. Size of fruit is reduced affected fruit is covered with pycnidia. Management: 1. Avoid fruit injury and do proper bagging of fruit. 2. Spray <i>carbendazim</i> (0.1%) <i>Thiophanate methyl</i> 0.5g/lit. |
| Brinjal | | Shoot and fruit borer: <i>Leucinodes orbonalis</i> Symotoms of damage: 1. Withering of terminal shoots/ dead hearts. 2. Bore holes in shoots and fruits plugged with excreta 3. Shedding of flower buds 4. Withering and drying of leaves. Management: 1. Remove the affected terminal shoot showing boreholes. 2. Remove the affected fruits and destroy. 3. Install pheromone trap@ 12/ha 6. Avoid use of synthetic pyrethroids 7. Avoid using insecticides at the time of fruit maturation and harvest 8. Neem seed kernel extract (NSKE) 5% any one of the following chemicals starting from one month after planting at 15 days interval. Insecticide: 1. <i>Azadirachtin</i> 1.0%EC (10000pm) 3.0 ml/lit. (OR) <i>Emamectin benzoate</i> 5% SG 4g/10lit. (OR) <i>Flubendiamide</i> 20 WDG 7.5g/10lit.. |
| Jasmine | Flowering stage | Prevailing weather is conducive for Blossom midge. Spray Thiamethoxam 2.5% WG @ 0.75 g/litre (or) Novaluron 3ml/lit. of water. |
| Coconut | All stages | All stages- Rugose Spiralling whitefly is noticed in the prevailed weather condition. Application of water, maida solution as spray in order to increase the population of <i>Encarsia</i> parasitic. Also keep yellow stick trap. |
| Livestock | Goat | Deworm the non-pregnant animals with liquid oxychloxamide @ 5mg/kg of body weight. Vaccinate against P.P.R and enterotoxemia. If nasal discharge and cold administer Bolus sulphadimindine 5 gram per adult animal, half of bolus per young animals. |
| | Milch animals | Maximum temperature results to rise in body temperature, increased pulse rate, increased peripheral blood flow, reduced feed intake, and increased water intake. Measures like Thatching the roof with materials like paddy straw etc, painting the roof with white paint or, providing a false ceiling insulation will help provide a cooler environment. Create barriers against hot wind using |

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| | | thatched wall or wet gunny cloth/ gunny bags. Ensure increased mineral supplementation during hot weather to meet the increased demand of minerals. Potassium rich mineral mixture should be preferred. |
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SMS: Rain: Nil. Irrigation may be provided. Guava- stylar end rot disease- Spray *carbendazim* (0.1%) *Thiophanate methyl* 0.5g/lit.

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| Tamil Nadu | | |
| Next five days | Weather warning | Light / moderate rain is likely to occur at isolated places over South Tamilnadu on Day 1 (08-03-2023) and Day 5 (12-03-2023). Light / moderate rain is likely to occur at isolated places over South Tamilnadu, Delta & adjoining districts and Karaikal area on Day 2 (09-03-2023), Day 3 (10-03-2023) and Day 4 (11-03-2023). |

Kanyakumari

AGRO ADVISORIES.

| S. N. | CROP | STAGES | ADVISORIES |
|-------|--|----------------|--|
| | There is no possibility of rainfall during forthcoming five days. Maximum temperature will range from 34 - 36°C and minimum temperature will range from 24 - 25°C. Partly cloudy condition may prevail. The relative humidity will be 30 – 90 %. Wind speed may be 8 – 12 km / hr in East direction. | | |
| 1. | Pepper | All stages | Basins of all the established pepper vines may be applied with VAM and vermicompost and then mulched with dried leaves and irrigated copiously immediately (twice – one March and again in April) to increase the yield of pepper. |
| 2. | Coconut | All stages | For the control of coconut rugose spiraling whitefly kindly avoid application of insecticides to encourage natural enemies and setting up of yellow sticky traps coated with castor oil @ 8/acre. |
| 3. | Rubber | Younger stages | White washing should be done for younger plants upto the height of branching level by using lime or white clay for protection against sun scorching. |
| 4. | Horticultural crops | All stages | Irrigation should be given to fruit trees, Spices, Vegetables and other horticultural crops. |
| 5. | Vegetables | All stages | Sufficient irrigation should be given to vegetables to protect against high temperature. |

SMS Advisory

Banana: The dried and diseased leaves have to be removed to control the spread of leaf spot disease.

Salem

Weather Advisory Bulletin for livestock, poultry and agro advisory

| | | |
|------------------------|-------|------------------|
| Livestock, Poultry and | Stage | Weather advisory |
|------------------------|-------|------------------|

| Crop | | |
|---|-------------------------|--|
| Agro advisory from Krishi Vigyan Kendra, Salem: | | |
| Crops | General | Irrigate the crop as per requirement and use mulching to reduce evaporation, enhance water holding capacity and soil health. Farmers are advised to monitor the standing crop regularly for pest disease incidence and use the suitable recommended control measures. |
| Tapioca | Vegetative stage | Dry weather favours red spider mite incidence in Tapioca. To manage red spider mite damage Spray wettable sulphur 50 WP 2g/lit or dicofol 18.5 EC 2.5 ml/liter. |
| Banana | Vegetative stage | High humidity, prolonged leaf wetness and warmer temperature favour occurrence of leaf spot complex in banana. Spray Propiconazole at 0.5 ml per litre of water or Carbendazim 3g/l of water or Mancozeb 2g/ l of water. Depending on the severity repeat the spray 2 to 3 times with alternate chemicals at 15 – 20 days interval. |
| Jasmine | Vegetative | Higher temperature and humidity favours the incidence of Bud worm in jasmine, to control the pest damage Collect and destroy infested flowers along with larvae at least once in a week. Proper pruning and hygienic maintenance of the bushes helps to minimize the pest incidence. Set up light trap to attract and kill the adult moths. Spraying of neem seed kernal extract (NSKE) at 5 per cent level is found effective. Spray thiacloprid 240 SC at 1 ml per litre of water to control the pest population. |
| Mango | Flowering Vegetative | Excess irrigation during flowering stage leads to flower drop. Hence, Avoid excess watering during flowering. During flowering stage incidence of mango hoppers, sooty mould and powdery mildew occurs. To manage Spray 0.6 ml imidacloprid 17.8 Sl per 1l of water or 0.6 g Thiamethoxam 25 WG per l of water or 0.6 g Acetamiprid 20 SP per l of water or 0.6 ml spirotetramat 150 OD with 2.5 g/l wettable sulphur 75 WP In case of delayed flowering in Mango, spray 10 g of urea/ l of water. Spray twice after 21 days. |
| Birds | General | Provide B-Complex supplements in drinking water to poultry birds to improve production and health status in birds. Farmers are advised provide proper brooding facility to young ones during rainy days. |

Namakkal

Weather Advisory Bulletin for livestock, poultry and agriculture

| Livestock, Poultry & Crop | Stage | Weather advisory |
|---------------------------|---------|---|
| Poultry | General | Though later winter is over, there were low temperatures experienced on few days. As summer begins and day temperature reached 36.0°C, there is generally stress observed in layers. Vagaries of temperatures on the same day leads to a greater stress in layers and this results in reduced feed intake, reduced egg production, defective egg shell quality and finally compromised disease immunity. To avoid these, addition of Vitamin C, Amino acids and Sodium bi carbonate (1 – 1.5 kg / ton) is recommended. Also avoid encouraging feed intake between high temperature timings ie between 11 Am and 4 Pm which provides rest to the laying birds. |
| Livestock | General | During the prevailing weather conditions, there will be dew in the early morning and day temperature will be high. Hence the grazing time for the livestock will be reduced considerably resulting in the shortage of feed intake and decrease in the production and performance |

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| | | of the animals. To avoid this, the farmers advised to take their animals for grazing as soon as the dew comes off the grass and also graze their animals for extended time in the evening. |
| Agro advisory from Krishi Vigyan Kendra, Namakkal : | | |
| Sugarcane | Vegetative stage | Early shoot borer incidence was occurred in sugarcane crop currently. Farmers are advised to collect the dead heart shoot from the field and destroyed. Then install pheromone traps 10 numbers / acre to monitor the pest incidence. Then foliar spray of spinosad chemical @ 0.5 ml / litre of water to control it. |
| Tapioca | Vegetative stage | Due to change in climate, red spider mite incidence was reported in Tapioca crop. To control this foliar spraying of chemical pesticide Propargite @ 1 ½ ml / litre of water along with adjuvant 1 ml / litre of water may be undertaken. |
| Vegetable crops | General | The cultivated vegetables show flower dropping and poor fruit setting symptoms due to increased temperature. To prevent this, farmers are advised to sow castor or sesbania seed around the field at a spacing of 7 – 10 feet. This prevent the entering of hot air from outside the field and also maintain optimum temperature in the inside field. |
| Banana | General | KVK, Namakkal entered in to MoA with national research centre for banana Trichy and got TOT for banana shakti micronutrient formulation. Since April 2022 KVK, Namakkal has started producing and selling banana shakti. Hence, banana growers could purchase banana shakti from KVK, Namakkal on cost basis @ Rs. 250 / kg. |

Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

| SMS: No Rainfall - Apply light and frequent irrigation to the standing crops, Mango hoppers incidence Spray Imidacloprid 17.8 SL 2.0 ml/10 litter or Dimethoate 30EC 1.5 ml/l. | |
|---|---|
| Crop | Advisory |
| Groundnut | Groundnut - Aphids Wilting of tender shoots during hot weather, Stunting and distortion of the foliage and stems, They excrete honeydew on which sooty molds flow forming a black coating Act as vector for peanut stripe virus and groundnut rosette virus complex Apply anyone of the following insecticides for control measures Chlorpyrifos 20%EC 1000 ml/ha or Imidacloprid 17.8% SL 100-125 ml/ha or Methyl demeton 25% EC 1000 ml/ha |
| Paddy | Paddy - Brown Spot- prevailing weather condition Temperature of 25-30°C, Relative humidity above 80 per cent, excess of nitrogen aggravates the disease incidence attacks seedling in nursery to milky stage in main field. The disease appears first as minute brown dots later becoming cylindrical or oval to circular to control Carbendazim12% + Mancozeb 63%wp 2.0 g per lit. |
| Mango | Prevailing weather Mango hoppers incidence Nymphs and adults suck the sap of inflorescence, Withering. Shedding of flower buds and flowers, Presence of honey dew segregation on lower leaves and development of sooty mould. Clicking sound – movement of jassids amidst leaves. Hoppers provide shelter in the cracks and crevices of the barks on the tree Management of the incidence Avoid close planting, as the incidence very severe in overcrowded orchards. Orchards must be kept clean by ploughing and removal of weeds. Spray Imidacloprid 17.8 SL 2.0 ml/10 litter or Dimethoate 30EC 1.5 ml/l. |
| Mango | Mango-Powdery mildew-It attacks the leaves, flowers, stalks of panicle and fruits. Shedding of infected leaves occurs when the disease is severe. The affected fruits do not grow in size and may drop before attaining pea size. Dusting the plants with fine sulphur (250-300 mesh) at the rate of 0.5 kg/tree.The first application may be soon after flowering, second 15 days later (or) spray with Wetable sulphur (0.2%), (or) Carbendazim (0.1%),(or) Tridemorph (0.1%),(or) Karathane (0.1%). |

| | |
|---------|--|
| Cattle | Keep animals in shade and give them plenty of clean and cold water to drink. Do not make them work between 11 am to 4 pm. Cover the shed roof with straw, paint it white or plaster with dung-mud to reduce temperature. Use fans, water spray and foggers in the shed. During extreme heat, spray water and take cattle to a water body to cool off. Give them green grass, protein-fat bypass supplement, mineral mixture and salt. Make them graze during cooler hours. Provide curtains and proper ventilation in poultry house. |
| Poultry | Summer Management to Poultry: 1. Overcrowding of birds should be avoided. 2. Feeding should be done in cool hours of the day in the form of wet mash 3. Supplement vitamin C and B complex along with water. 4. Water tanks should be covered with low cost roofing materials. 5. Increase the frequency of watering. 6. Sprinkling water on the roof will help to bring down the shed temperature. 7. Wet gunny curtains can be arranged on the sides of shed will reduce the heat inside the shed. |

Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

| Livestock, Poultry & Crop | Stage | Weather advisory |
|---|------------------|---|
| Poultry | General | Though later winter is over, there were low temperatures experienced on few days. As summer begins and day temperature reached 36.0°C, there is generally stress observed in layers. Vagaries of temperatures on the same day leads to a greater stress in layers and this results in reduced feed intake, reduced egg production, defective egg shell quality and finally compromised disease immunity. To avoid these, addition of Vitamin C, Amino acids and Sodium bi carbonate (1 – 1.5 kg / ton) is recommended. Also avoid encouraging feed intake between high temperature timings ie between 11 Am and 4 Pm which provides rest to the laying birds. |
| Livestock | General | During the prevailing weather conditions, there will be dew in the early morning and day temperature will be high. Hence the grazing time for the livestock will be reduced considerably resulting in the shortage of feed intake and decrease in the production and performance of the animals. To avoid this, the farmers advised to take their animals for grazing as soon as the dew comes off the grass and also graze their animals for extended time in the evening. |
| Agro advisory from Krishi Vigyan Kendra | | |
| Sugarcane | Vegetative stage | Early shoot borer incidence was occurred in sugarcane crop currently. Farmers are advised to collect the dead heart shoot from the field and destroyed. Then install pheromone traps 10 numbers / acre to monitor the pest incidence. Then foliar spray of spinosad chemical @ 0.5 ml / litre of water to control it. |
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| Vegetable crops | General | The cultivated vegetables show flower dropping and poor fruit setting symptoms due to increased temperature. To prevent this, farmers are advised to sow castor or sesbania seed around the field at a spacing of 7 – 10 feet. This prevent the entering of hot air from outside the field and also maintain optimum temperature in the inside field. |
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Karaikal

Agro Advisory

| Crop/livestock | Stage/Particulars | Agro Advisory |
|--------------------|--------------------|--|
| Sesame | Sowing | Rice fallow sesame VRI (SV) 1 @ 5 kg/ha may be sown in between February 15 to March 15. Treat the seed with Trichoderma @ 4g/kg or Carbendazim @ 2 g/kg of seeds before sowing. |
| Cotton | Sowing | For rice fallow cotton, delinted seeds of MCU 7 or SVPR 3 @ 7.5 kg/ha shall be used for sowing. |
| Rice fallow pulses | Flowering | Two percent of DAP spray (Dissolve 4.5 kg of DAP in 10 litres of water previous day night and at morning the supernatant liquid shall be mixed with 190 litres of water) may be done at the time of flowering and another dose at fifteen days after first spray for rice fallow pulses. |
| Goat | Sheep and goat pox | There is a chance of an occurrence of sheep and goat pox in summer season. Hence, to prevent the pox, sheep and goat should be vaccinated before summer. |

SMS: Rice fallow sesame can be sown till second week of March.

Puducherry

| Crop | Stage/Particulars | Agro Advisory |
|---------------------------|-------------------|---|
| Black gram/ Green gram | Flowering stage | Two percent of DAP spray (Dissolve 4.5 kg of DAP in 10 litres of water previous day night and at morning the supernatant liquid shall be mixed with 190 litres of water) may be done at the time of flowering and another dose at fifteen days after first spray for rice fallow pulses. To manage yellow mosaic virus disease in black gram and green gram, spray Methyldematon 25%EC 1ml/l or Dimethoate 30%EC 2ml/l to manage vectors like whitefly and aphids. |
| Groundnut | Pegging | In groundnut crop apply gypsum 200kg + borax 10 kg and earthing up on 45 DAS for improving flowering and pod formation. |
| Jasmine | Flowering stage | Due to prevailing weather condition, there may be changes of budworm infestation in jasmine. To control budworm, Setup 4 helilure sex pheromone trap per acre, spray Bacillus thuringiensis 2g/ lit. |
| Brinjal | Before sowing | To control the damping of infection in brinjal treat seeds with Trichodermaviride @ 4 g / kg or bacillus subtilis @ 10 g /kg of seeds treat with 24 hours before sowing. |
| Cow | | To avoid the occurrence of milk fever in dairy cattle, feeding of supplementary mineral mixture of 15-30 gms is recommended during pregnancy. |
| General Advice | | To know the weather forecast and agro advisory bulletins, download MEGHDOOT app and use it wisely. |

SMS:

As dry weather is expected for next five days, farmers are advised to provide need based irrigation to crops



