



Gramin Krishi Mausam Sewa
Agromet Advisory Bulletin for MALAPPURAM District
Kerala Agricultural University
 Vellanikkara, Thrissur, Kerala



Agromet Advisory Bulletin

Date : 2025-04-29

Weather Forecast of District MALAPPURAM (Kerala) Issued On : 2025-04-29 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-04-30	2025-05-01	2025-05-02	2025-05-03	2025-05-04
Rainfall(mm)	12.0	2.0	1.0	0.5	4.0
Tmax(°C)	35.0	35.0	35.0	35.0	35.0
Tmin(°C)	23.0	23.0	23.0	23.0	23.0
RH-I(%)	80	80	80	80	80
RH-II(%)	75	75	75	75	75
Wind Speed(kmph)	3	3	3	2	2
Wind Direction(Degree)	290	270	270	250	270
Cloud Cover(Octa)	8	7	8	8	8
Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc

Forecast Summary:

Temperatures will be higher during the day. Atmospheric humidity will be normal. There will be light to moderate rainfalls (From 2.5 mm to 64.4 mm within a time span of 24 hours) from April 29 to May 03.

Weather Warnings (Valid Till 08:30 IST of the next day)

Maximum temperatures are very likely to be around 36°C from April 29 to May 01.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

High rate of evaporation may occur from soil. Chances for attack of sucking pests. Direct exposure to sunlight may cause sunburn and injuries to human and animals. Provide shade net for vegetable crops and ensure irrigation.

General Advisory:

Summer rains have prime role in coping up drought. Hence maximum water harvesting should be ensured in the fields. Clean the rain pits. Cover the soil with dried leaves, especially the basins of crops. The opened tree basins which were partially closed after fertilizer application, can act as very good water harvesting structures. Divert the runoff water to such tree basins by drawing furrows. Keep vigilance while drying the harvested

produces like seeds, cashew nuts, copra and rubber in open conditions. Provide props to Nendran banana. 1. Farmers are advised to not work in open places between the time, 11.0am to 3.0 pm. Drink sufficient water to avoid dehydration. 2. Provide mist spray of water system and fans in the cattle sheds. Give the livestock sufficient quantity of drinking water intermittently 3. Irrigate the crop when the water is available in the evening or early morning. 4. Mulch the crop basins. Arrange irrigation if water is available. Adopt drip irrigation method for maximum water use efficiency. 5. Remove weeds from the soil to reduce transpiration losses. Powder the soil to dust by breaking the clods. This will act as good soil mulch to prevent evaporation loss of water. 6. Well drained areas where lifesaving irrigation possible ragi and pearl millet can be cultivated. 7. Control sucking pests; control/minimize the insect and pest incidence with IPM. 8. Repair and rejuvenate local water bodies before the rainy season.

SMS Advisory:

Chilli White fly: Spray Thiamethoxam @ 2gm/10litre of water

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CUCUMBER (Grand growth)	Sucking pests : To control the pests apply neem oil emulsion (5 ml. neem oil mixed in one litre of luke warm soap water solution) Or Apply malathion 50 EC @ 2 ml + neem oil 4ml per litre of water
COCONUT (Grand growth)	Drought Management 1) Cut two green leaves from the bottom layer, to reduce the water loss from the tree. 2) Apply compost/dried leaves in the basins to increase water holding capacity. 3) Adopt drip irrigation. This will minimize the irrigation water loss. Take care of controlling of sucking pests; control/minimize the insect and pest incidence with IPM.
BANANA (Grand growth)	Yellowing of leaf/Sigatoka leaf spot etc.: As a profilatic measure drench the plant basins with Pseudomonas solution (scale: 20 g Pseudomonas/litre of water)
OKRA/ LADYFINGER (Grand growth)	Yellow vein mosaic : Use disease free seed from the disease free area or healthy plant. Rogue out the infected plants. Place yellow sticky traps in the field or Spray Dimethoate 30EC (1.5 ml per litre of water.
CHILLI (Grand growth)	White fly: Apply 2% neem oil+ garlic emulsion under the leaf surface at 10 days intervals. Spray Thiamethoxam @ 2gm/10litre of water.
COWPEA/ LOBIA (Grand growth)	Red spider mite : Spray Spiromecifen 0.7 ml per litre on upper and lower sides of the leaves

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	Summer Stress : The rise in temperature will affect the thermoregulatory mechanism of dairy cattle. This will cause increase in body temperature, rapid shallow breathing, increased heart rate, profuse salivation, and reduced feed intake. This in turn results in severe production loss and reduced breeding efficiency in dairy cattle. Provide pure drinking water to the dairy cattle (45 to 60 litres of water), Allow grazing only during the cooler parts of the day. Provide shading. Shelter them in thatched roofings of minimum 9 ft. height with ample ventilation. Providing fans, misting and fogging assembly in cattle sheds will help them to regulate body temperature. Also ensure minerals fortified feeds.
COW	Cow pox : This disease is caused by a virus, which affects the udder of milking cows. Initially small eruptions are formed on the affected udder. In later stages these eruptions rupture and wounds are formed. Due to pain the animals may not cooperate with milking. Mix boric acid with glycerin or coconut oil. Prepare this in a paste form and apply in the wounds.

Likely impacts of weather warnings (General)

High rate of evaporation may occur from soil. Chances for attack of sucking pests. Direct exposure to sunlight may cause sunburn and injuries to human and animals. Provide shade net for vegetable crops and ensure irrigation.

Impact based advisories (General)

Summer rains have prime role in coping up drought. Hence maximum water harvesting should be ensured in the fields. Clean the rain pits. Cover the soil with dried leaves, especially the basins of crops. The opened tree basins which were partially closed after fertilizer application, can act as very good water harvesting structures. Divert the runoff water to such tree basins by drawing furrows. Keep vigilance while drying the harvested produces like seeds, cashew nuts, copra and rubber in open conditions. Provide props to Nendran banana. 1. Farmers are advised to not work in open places between the time, 11.0am to 3.0 pm. Drink sufficient water to avoid dehydration. 2. Provide mist spray of water system and fans in the cattle sheds. Give the livestock sufficient quantity of drinking water intermittently 3. Irrigate the crop when the water is available in the evening or early morning. 4. Mulch the crop basins. Arrange irrigation if water is available. Adopt drip irrigation

Farmers are advised to download Unified “Mausam” and "Meghdoot" android application on mobile for Weather forecast and weather based Agromet Advisories and "Damini" android application for forecast of Thunderstorm and lightening.

Mausam MobileApp link: <https://play.google.com/store/apps/details/>

Meghdoot MobileApp link: <https://play.google.com/store/apps/details>

Damini MobileApp link : <https://play.google.com/store/apps/details>