



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



Agromet Advisory Bulletin

Date : 2025-05-13

Weather Forecast of District MALAPPURAM (Kerala) Issued On : 2025-05-13 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-05-14	2025-05-15	2025-05-16	2025-05-17	2025-05-18
Rainfall(mm)	3.0	6.0	3.0	2.0	2.0
Tmax(°C)	33.0	33.0	33.0	33.0	33.0
Tmin(°C)	26.0	26.0	26.0	26.0	26.0
RH-I(%)	80	80	80	80	80
RH-II(%)	75	75	75	75	75
Wind Speed(kmph)	4	3	8	3	4
Wind Direction(Degree)	270	270	290	340	290
Cloud Cover(Octa)	8	8	7	8	7
Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	No Warning	No Warning	No Warning

Forecast Summary:

The temperature will remain high during the next five days also. The high atmospheric humidity will further increase the magnitude of heat. There will be light to moderate rainfalls (From 2.5 mm to 64.4 mm within a time span of 24 hours) from May 13 to 17.

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

Light to moderate rainfall on May 13.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Heavy water loss from the crops through increased evapo transpiration. Sun scorching of leaves of the crops. (This will be more prominent on tender herbs and newly planted seedlings) 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:

Take care while drying the harvested products like rice, rubber, copra, pulses, vegetable seeds, etc directly under sun. Do not heap the harvested products in the field itself. Give popping to all soft slender stemmed crops like banana, vegetables, climbers etc. Clean the drainage channels in crop lowlands to enable proper drainage of excess water in case of exigencies if any. 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.

SMS Advisory:

Areca nut Mahali disease : Prophylactic spraying of Bordeaux mixture (1%) to the bunch and leaves once before onset of south west monsoon and second and third applications at 40-45 days interval

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Sowing)	Main Land preparation : If the level of soil moisture content in the paddy field is optimum for ploughing, the tilling operations can be started. With the first ploughing itself, incorporate powdered FYM/compost or green manures (@ 5t/ha) to the soil.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
BRINJAL (Transplanting)	Land preparation and transplanting of rainfed crop : Land is prepared to a fine tilth by thoroughly ploughing or digging. Well rotten organic manure can be incorporated in the soil. Seedling can be transplanted in shallow trenches or pit. Provide temporary shade for 3-4 days during summer for the transplanted seedlings.
COCONUT (Grand growth)	Rhinoceros beetle : Take out the beetles from the attacked palm crown using beetle hook. Swab the hole made by the beetles with Bordeaux paste to prevent entry of fungus through the cut surface. The top most three leaf axils around the spindle may be filled with 1) Application of 250 gm neem cake mixed with equal volume of sand. This should be done twice ie, during April, May and September, October. 2) Crown cleaning followed by the application of 20g cartap hydrochloride 4G + 200g sand this should be done thrice during January and may and September
CASHEW (Grand growth)	Root and stem borer : In the case of already infested trees, mechanically remove various stages of pest. The exposed roots if any should be covered with soil. As a prophylactic treatment swab(for adult plants) trunk with suspension of mud slurry+coal tar and kerosene (1:2) or 5% neem oil.
ARECANUT (Fruit formation)	Mahali disease : Adopt clean cultivation Collect and burn fallen nuts. Prophylactic spraying of Bordeaux mixture (1%) to the bunch and leaves once before onset of south west monsoon and second and third applications at 40-45 days interval
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

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,

Live Stock	Live Stock Specific Advisory
	misting and fogging assembly in cattle sheds will help them to regulate body temperature. Also ensure minerals fortified feeds.

Likely impacts of weather warnings (General)

Difficulty in drying agricultural produce in open conditions. Chances for fall off of slender stemmed fruits and vegetables. High temperature during daytime may cause high rate of evaporation water from the soil.

Impact based advisories (General)

Take care while drying the harvested products like rice, rubber, copra, pulses, vegetable seeds, etc directly under sun. Do not heap the harvested products in the field itself. Give popping to all soft slender stemmed crops like banana, vegetables, climbers etc. Clean the drainage channels in crop lowlands to enable proper drainage of excess water in case of exigencies if any. 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.

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>