



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



Agromet Advisory Bulletin

Date : 2025-04-01

Weather Forecast of District MALAPPURAM (Kerala) Issued On : 2025-04-01 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-04-02	2025-04-03	2025-04-04	2025-04-05	2025-04-06
Rainfall(mm)	2.0	2.0	10.0	0.2	7.0
Tmax(°C)	34.0	34.0	34.0	34.0	34.0
Tmin(°C)	26.0	26.0	26.0	26.0	26.0
RH-I(%)	80	80	80	80	80
RH-II(%)	56	56	56	56	56
Wind Speed(kmph)	2	3	3	3	3
Wind Direction(Degree)	250	230	270	230	270
Cloud Cover(Octa)	8	8	8	8	8
Warning	No Warning	Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc	Heavy Rain; Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds

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) on April 01, 02 & 05. There will be isolated heavy rainfalls (From 64.5 mm to 115.5 mm within a time span of 24 hours) on April 03 & 04.

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

Chances for light to moderate rainfalls (From 2.5 mm to 64.4 mm within a time span of 24 hours) on April 01.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

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.

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. Keep animal feeds, seeds, fertilizers etc. in termite free and moist

free rooms on elevated platforms coated with wooden pannels. Avoid activities under open field conditions during 12 AM to 3 PM on the days with high temperature. Also do not expose livestock to such unfavorable weather conditions.

SMS Advisory:

Cucurbitaceous vegetables Downy mildew: As a prophylactic measure apply 'Mancozeb' (@ 2g/l of water).

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CUCUMBER	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	Stem bleeding: Reduce the nut load by harvesting all the matured and about to matured nuts Chisel out the affected parts and apply Hexaconazole (Contaf®) 5ml/litre solution in the wound. After getting the wound dried, immediately smear the spot with Rubbercoat®. Drench the palm basin (2m radius) with Hexaconazole (Contaf®), 50ml dissolved in 25 litre of water per palm at monthly intervals, for 5months or till the disease fully disappears. Spread lime thickly in the basins and incorporate with the soil.
CUCUMBER	Cucurbitaceous vegetables Downy mildew: As a prophylactic measure apply 'Mancozeb' (@ 2g/l of water). If disease appeared, spray Akomin® (@3ml/L) on both surfaces of the leaves, thrice at 15 days intervals.
MANGO	Mango fruit flies: Harvest matured mangoes before ripening. Mix cool water and boiling water in equal proportion and dissolve common salt at the rate of one tablespoon per liter of the water mix. Dip the harvested matured mangoes in this warm saline solution for two minutes. After that take out the mangoes, wipe the water on them with cotton cloths and keep for ripening.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	Summer Mastitis : Summer Mastitis is a bacterial disease. The disease is common on cows which are sheltered in unhygienic conditions. The disease is transmitted by insects like flies and mosquitoes. Symptoms:- The symptoms are change in composition of milk and turning the milk into an yellow watery liquid , severe fever, lack of appetite, abortions etc. If not treated the cow may lose its milk yielding capacity permanently. Also the cow may lose mobility and gradually death may occur. Control:- Ensure hygiene cattle shed and surroundings to control the pathogen and the vectors. Boost the immunity of cattle by supplementing feeds with vitamins and minerals containing health tonics. If disease appears, immediately give medication under the supervision of a Veterinary doctor.
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.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
CHICKEN	Summer Stress : To combat heat stress, the poultry sheds should be protected from direct sunlight, roofing can be painted white to reflect heat, fans can be fitted, cool water can be sprayed, plenty of clean water can be provided with ice, glucose and 0.1 % sodium bicarbonate, feed offered during the cooler parts of the day can be supplemented with 20% extra vitamins, phosphorous and vitamin C.

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. Keep animal feeds, seeds, fertilizers etc. in termite free and moist free rooms on elevated platforms coated with wooden pannels. Avoid activities under open field conditions during 12 AM to 3 PM on the days with high temperature. Also do not expose livestock to such unfavorable weather conditions.

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>