



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



Agromet Advisory Bulletin

Date : 2025-02-28

Weather Forecast of District KANNUR (Kerala) Issued On : 2025-02-28 (Valid Till 08:30 IST of the next 5 days)

| Parameter | 2025-03-01 | 2025-03-02 | 2025-03-03 | 2025-03-04 | 2025-03-05 |
|-------------------------------|---|---|---------------------------------------|------------|------------|
| Rainfall(mm) | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| Tmax(°C) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| Tmin(°C) | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| RH-I(%) | 71 | 71 | 71 | 71 | 71 |
| RH-II(%) | 44 | 44 | 44 | 44 | 44 |
| Wind Speed(kmph) | 6 | 2 | 8 | 8 | 6 |
| Wind Direction(Degree) | 270 | 250 | 270 | 250 | 270 |
| Cloud Cover(Octa) | 3 | 3 | 5 | 3 | 3 |
| Warning | Thunderstorms & Lightning, Squall etc; Strong Surface Winds | Thunderstorms & Lightning, Squall etc; Strong Surface Winds | Thunderstorms & Lightning, Squall etc | No Warning | No Warning |

Forecast Summary:

Temperatures will be higher during the day. Atmospheric humidity will be normal. No rainfall on February 28 and March 2 to 4. There will be light rainfalls (From 2.5 mm to 15.5 mm within a time span of 24 hours) on March 01.

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

Maximum temperatures are very likely to be around 39°C in Kannur district on 28th February & 1st March 2025.

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:

Mulch the crop basins. Irrigate the crop when the water is available in the evening or early morning. Adopt drip irrigation method for maximum water use efficiency. 1. Arrange for irrigation facilities from available water resources. 2. 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. 3. Well drained areas where

lifesaving irrigation possible ragi and millets cause cultivated. 4. Take care of controlling of sucking pests; control/minimize the insect and pest incidence with IPM. 5. Repair and rejuvenate local water bodies before the rainy season.

SMS Advisory:

Mango Mango fruit flies : Collect and destroy the fallen fruits by taking deep pits atleast 60 cm depth. Set up pheromone trap (methyl eugenol trap) @ 1 trap/15 cents.

Horticulture Specific Advisory:

| Horticulture (Stage) | Horticulture Specific Advisory |
|----------------------|--|
| COCONUT | Leaf eating caterpillar : The season is congenial for the spread of leaf eating caterpillars in coastal areas. Cut and burn the affected leaves. Release larval parasitoids, <i>Goniozus nephantidis</i> , @10 nos/palm (4-6 release) on the trunk |
| 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 |
| MANGO | Mango fruit flies : Collect and destroy the fallen fruits by taking deep pits atleast 60 cm depth. Set up pheromone trap (methyl eugenol trap) @ 1 trap/15 cents. |

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. |

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)

High temperature will be experienced in upcoming days.

Impact based advisories (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.

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>