



## Agromet Advisory Bulletin for Ernakulam District (Valid from 18.01.2023 to 22.01.2023)

*Prepared by the Department of Agricultural Meteorology, Kerala Agricultural University, COA, Vellanikkara  
based on the medium range weather forecast of India Meteorological Department (IMD), New Delhi*

**AAS Bulletin No: 03/2023, (5) Tuesday** **dated 17.01.2023**

| Weather parameters            | 18.01.2023 | 19.01.2023 | 20.01.2023 | 21.01.2023 | 22.01.2023 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)                 | 0          | 0          | 0          | 0          | 0          |
| Maximum temperature (°C )     | 31         | 30         | 30         | 31         | 31         |
| Minimum temperature (°C )     | 24         | 23         | 23         | 23         | 23         |
| Maximum Relative Humidity (%) | 80         | 80         | 80         | 80         | 80         |
| Minimum Relative Humidity (%) | 62         | 62         | 62         | 62         | 62         |
| Wind speed (kmph)             | 4          | 5          | 5          | 5          | 4          |
| Wind direction (deg)          | 250        | 250        | 290        | 270        | 270        |
| Total cloud cover (octa)      | 4          | 5          | 5          | 5          | 7          |

### A. Medium range weather forecast of IMD for next five days

| RAINFALL FORECAST FOR NEXT FIVE DAYS |                 |                 |                 |                 |
|--------------------------------------|-----------------|-----------------|-----------------|-----------------|
| 2023 January 18                      | 2023 January 19 | 2023 January 20 | 2023 January 21 | 2023 January 22 |
| No rain                              | No rain         | No rain         | No rain         | No rain         |

Weather summary / Alert: Since dry weather condition is prevailed, irrigation of crops can be continued, when required. Below normal rainfall is expected in Kerala.

### B. Agrometeorological Advisories for crop protection & management

#### C. General and Agrometeorological Advisories for Ernakulam District (RRS Vyttila)

Since dry weather condition is prevailed, irrigation of crops can be continued, if needed. Since the wind speed may increase, give strong propping to banana and staking to vegetables. Prophylactic measures to control crop pests & diseases can be taken to avoid their spread.

| Crop        | Pest/ Disease | Crop/ Animal Advisory   |
|-------------|---------------|---|
| Rice        | Rice bug      | There is a chance of appearance of rice bug in paddy. To control, spray 2 ml malathion per one litre of water. Pesticides application should be done either before 9 am or after 3 pm. Otherwise, the pesticide application will adversely affect the pollination.  |
| Vegetables  | Mites         | 2 per cent neem oil + garlic emulsion or commercial neem formulation azadirachtin 0.004 per cent (4 ml per litre of water) or micronized wettable sulphur 0.4 per cent can be applied in the initial stages of infestation. In the case of very severe infestation, the crop can be protected by spraying 0.05% dimethoate or Spiromesifen 22.9% SC 8 ml per 10 litre or Diafenthuron 50% WP 1.2 g per 10 litre can be sprayed. Rational rotation of pesticides to be followed to avoid resistance development. |
| Cauliflower | Management    | Cover the curd with 3-4 surrounding leaves to prevent discoloration when the curd is half mature stage (blanching).   |

Fisheries :-Farmers can culture the following fishes like red snapper, seabass, pearl spot, mullet, pompano, milk fish etc. in brackish water