



Kerala Agricultural University, Vellanikkara, Thrissur
Department of Agricultural Meteorology, College of Agriculture

Email: cohagmet@kau.in&kauagmet@yahoo.co.in

Agromet Advisory Service Bulletin

(Issued jointly by AMFU Thrissur, India Meteorological Department and Department of Agriculture)



ERNAKULAM DISTRICT

AAS 35/2021, (70) Friday

27.08.2021

CURRENT SYNOPTIC SITUATION: A cyclonic circulation lies over Northwest Bay of Bengal off West Bengal coast and extends upto 3.1 km above mean sea level tilting southwestwards with height. The offshore trough at mean sea level runs from Karnataka coast to Kerala coast. An east-west shear zone runs roughly along Latitude 13°N between 4.5 km & 7.6 km above mean sea level tilting southwestwards with height.

HEAVY RAINFALL WARNING:

Day 1, 2, 3 & 4:- Heavy (7- 11 cm in 24 hours) to Very Heavy (12- 21 cm in 24 hours) rainfall is very likely to occur at isolated places in Ernakulam district.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

| Weather parameters | 28.08.2021 | 29.08.2021 | 30.08.2021 | 31.08.2021 | 01.09.2021 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 40 | 40 | 40 | 10 | 10 |
| Maximum temperature(°C) | 30 | 30 | 30 | 31 | 31 |
| Minimum temperature (°C) | 24 | 24 | 24 | 25 | 25 |
| Maximum Relative Humidity (%) | 95 | 95 | 95 | 95 | 95 |
| Minimum Relative Humidity (%) | 75 | 75 | 75 | 75 | 75 |
| Wind speed (kmph) | 7 | 8 | 8 | 2 | 3 |
| Wind direction (deg) | 320 | 320 | 320 | 230 | 230 |
| Total cloud cover (octa) | 8 | 8 | 8 | 6 | 4 |

As per the forecast of IMD & KAU, there is a chance of moderate rainfall in the district and heavy rainfall in isolated places of the district. Above normal rainfall is expected in Kerala.

AGRO-METEOROLOGICAL ADVISORIES:

| Crop | Pest/ Disease | Advisories |
|--|--|--|
| General Advisories: Pesticides can be applied only during dry period. | | |
| Paddy (virippu) Panicle Emergence | Bacterial Leaf blight | To control and prevent Bacterial leaf blight in paddy, dissolve 20 g of cow dung in one litre of water and spray the supernatant liquid by mixing with 20g of pseudomonas in one litre of water. |
| | 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. |
| Pepper | Foot rot | As a prophylactic measure to manage foot rot during rainy season, add 2 kg Trichoderma to a mixture of 90 kg FYM &10 kg neem cake and kept for two weeks with sufficient moisture. Add 2.5 kg of this mixture to the base of each matured pepper vine to control foot rot disease. |
| Coconut | Management | While applying second dose of fertilizers to coconut palms, apply 550 gram urea, 700 gram Rajphos and 800 gram potash under irrigated conditions and apply 500 gram urea, 800 gram Rajphos and one kg potash under rainfed conditions. |
| Ginger | Shoot borer | There is a chance of shoot borer in ginger. Spray 20 g <i>Beauveria</i> per one litre of water to control stem borer. |
| Turmeric | Leaf Blotch | During rainy season there is a chance of Leaf blotch in Turmeric. To control, spray 2 ml. Contaf (Hexaconazole) in one litre of water. |
| Vegetables (Cowpea) | Spodoptera | There is a chance of Spodoptera attack in cowpea. To control, spray chlorantraniliprole (coragen) 3 ml per ten litre of water. |
| Animal Husbandry | Sundry the cattle feed frequently to avoid fungal growth. Give foot and mouth disease (FMD) vaccination to the animal (caadeccs, kvasu, Mannuthy). | |

(Information given by RRS Vyttila)