



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)



THRISSUR DISTRICT

AAS 29/2021, (58)Friday

16.07.2021

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 331.9 mm. The maximum temperature ranges from 25.0C to 32.4°C, minimum temperature ranges from 21.3°C to 25.1°C. Morning relative humidity ranges from 93% to 99% and afternoon relative humidity ranges from 74% to 99%. Wind speed ranges from 0.5 to 1.7 km/h. Bright sunshine hours range from 0.0 to 5.2 hours. Evaporation ranges from 0.9 to 2.9 mm.

CURRENT SYNOPTIC SITUATION: An east-west shear zone runs roughly along Lat. 15°N between 3.1 km & 5.8 km above mean sea level tilting southwards with height. The cyclonic circulation over east Vidarbha & neighbourhood lay over Marathawada & neighbourhood extending upto 4.5 km above mean sea level tilting southwestwards with height at 00utc of today and now lies over north Madhya Maharashtra & neighbourhood and extends upto 2.1 km above mean sea level. An off-shore trough at mean sea level runs from Maharashtra coast to north Kerala coast.

HEAVY RAINFALL WARNING: Day 1, Day 3, Day 4 Day 5: Heavy (7- 11 cm in 24 hours) rainfall is very likely to occur at isolated places in the districts of Ernakulam, Idukki, Thrissur, Palakkad, Malappuram, Wayanad & Kannur

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

| Weather parameters | 17.07.2021 | 18.07.2021 | 19.07.2021 | 20.07.2021 | 21.07.2021 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 20 | 20 | 40 | 20 | 20 |
| Maximum temperature(°C) | 28 | 28 | 28 | 26 | 26 |
| Minimum temperature (°C) | 22 | 22 | 22 | 22 | 22 |
| Maximum Relative Humidity (%) | 98 | 98 | 98 | 98 | 98 |
| Minimum Relative Humidity (%) | 84 | 84 | 84 | 84 | 84 |
| Wind speed (kmph) | 10 | 12 | 6 | 14 | 6 |
| Wind direction (deg) | 320 | 320 | 290 | 290 | 270 |
| Total cloud cover (octa) | 8 | 8 | 8 | 8 | 8 |

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

AGRO-METEOROLOGICAL ADVISORIES:

| Crop | Pest/ Disease | Advisories |
|---|--|--|
| General Advisories: Proper drainage facilities have to be ensured. If the soil is more acidic, add lime as per soil testing. | | |
| Paddy (virippu) Tilling stage | 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. |
| Coconut | Management | 25 to 50 kilogram of organic manure can be applied per one matured palm during rainy season by opening the coconut basin. |
| Banana | Blast and pitting disease | Ensure drainage facilities in low land banana plantations. Appearance of small sunken brown spots on matured fruits is the symptom of blast and pitting disease. To prevent the disease, cut and remove dried leaves from the garden and protect the bunches with bunch cover. If the disease is occurring regularly and bunch maturing coincides with rainy season, spray fungicide like azoxystrobin 0.5 milli litre or tebuconazole + trifloxystrobin (Nativo) 0.5 gram per litre of water within one month of bunch emergence. |
| Nutmeg | Leaf fall | As a precautionary measure to manage leaf fall during rainy season, spray 1% bordeaux mixture. |
| Ginger and Turmeric | Soft rot | During rainy season, apply mixture of 15 gram bleaching powder and 250 gram lime in to the basin of three meter square bed to avoid the spreading of soft rot in ginger and turmeric. |
| Cucurbitaceous Vegetables | Downy mildew | Due to high relative humidity, there is a chance of downy mildew attack in cucurbitaceous vegetables. Spray 2.5gm Mancozeb per one litre of water under the leaves. |
| Vegetables (Cowpea & chilly) | Anthracoese disease | During rainy season, there is a chance of Anthracnose disease in Cowpea and chilly. As a prophylactic measure, apply 1% Bordeaux mixture or spray pseudomonas 20 gm per liter. |
| Animal Husbandry | Don't allow the animals to water logged areas to avoid foot lesions.(caadeccs, kvasu, Mannuthy) | |

