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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

AAS 29/2020,(57) Tuesday

14.07.2020

CURRENT SYNOPTIC SITUATION: A cyclonic circulation lies over Northwest Bay of Bengal and adjoining Gangetic West Bengal between 2.1 & 5.8 km above mean sea level. A cyclonic circulation lies over southeast Uttar Pradesh & neighbourhood extending upto 1.5 km above mean sea level. A cyclonic circulation lies over North Interior Karnataka & neighbourhood between 3.6 & 4.5 km above mean sea level. A feeble offshore trough at mean sea level runs from south Maharashtra coast to north Kerala coast persists. A cyclonic circulation over South Pakistan & neighbourhood at 1.5 km above mean sea level persists.

HEAVY RAINFALL WARNING:

DAY 4: Heavy rainfall (7- 11 cm in 24 hours) is very likely to occur at one or two places in the districts of Ernakulam, Idukki, Kannur & Kasaragod.

DAY 5 Heavy rainfall (7- 11 cm in 24 hours) is very likely to occur at one or two places in the districts of Alappuzha, Ernakulam, Kannur & Kasaragod.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

| Weather parameters | 15.07.2020 | 16.07.2020 | 17.07.2020 | 18.07.2020 | 19.07.2020 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 10 | 11 | 12 | 17 | 50 |
| Maximum temperature(°C) | 30 | 30 | 30 | 30 | 30 |
| Minimum temperature (°C) | 25 | 25 | 25 | 25 | 25 |
| Maximum Relative Humidity (%) | 94 | 94 | 94 | 94 | 94 |
| Minimum Relative Humidity (%) | 71 | 71 | 71 | 71 | 71 |
| Wind speed (kmph) | 18 | 16 | 14 | 14 | 14 |
| Wind direction (deg) | 320 | 320 | 290 | 290 | 290 |
| Total cloud cover (octa) | 8 | 8 | 8 | 8 | 8 |

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

AGRO-METEOROLOGICAL ADVISORIES:

| Crop | Pest/ Disease | Advisories |
|---|--|---|
| General Advisories: Proper drainage facilities should be ensured to protect the agricultural crops from pest & diseases during rainy season. | | |
| Paddy | Seedling stage | Since the relative humidity of air is more, there is a chance of fungal diseases in paddy. As a prophylactic measure, spray pseudomonas 20 gm per litre. |
| Coconut | Management | During southwest monsoon season, 25 to 50 kilogram of organic manure can be applied per one matured palm by opening the coconut basin. |
| Banana | Sigatoka disease | During rainy season, ensure drainage facilities in low land banana plantations. If there is sigatoka disease is seen in banana, as a prophylactic measure, spray 1% Bordeaux mixture. |
| Vegetables (Cowpea) | Anthraco nose disease | During rainy season, there is a chance of Anthracnose disease in Cowpea. As a prophylactic measure, apply 1% Bordeaux mixture or spray pseudomonas 20 gm per litre of water. |
| Animal Husbandry | Don't allow the animals to water logged areas to avoid foot lesions. | |