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Agromet Advisory Service Bulletin

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



ERNAKULAM DISTRICT

AAS 43/2020,(85) Tuesday

20.10.2020

CURRENT SYNOPTIC SITUATION:- Under the influence of cyclonic circulation over central parts of Bay of Bengal & neighbourhood, a Low pressure area has formed over the same region with associated cyclonic circulation extends upto 7.6 km above mean sea level. The east-west trough now runs roughly along 15°N across peninsular India and cyclonic circulation associated with the Low Pressure Area over central parts of Bay of Bengal & neighbourhood between 1.5 km & 7.6 km above mean sea level tilting southwards with height. The Low Pressure Area over Westcentral Arabian Sea with associated cyclonic circulation extending upto 3.1 km above mean sea level persists

HEAVY RAINFALL WARNING: DAY 1 : Heavy rainfall (7- 11 cm in 24 hours) is very likely to occur at one or two places in the districts of Ernakulam.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	21.10.2020	22.10.2020	23.10.2020	24.10.2020	25.10.2020
Rainfall (mm)	25	1	0.5	0.5	0
Maximum temperature(°C)	31	31	31	31	31
Minimum temperature (°C)	25	25	24	24	24
Maximum Relative Humidity (%)	90	90	90	90	90
Minimum Relative Humidity (%)	72	72	72	72	72
Wind speed (kmph)	12	14	16	10	10
Wind direction (deg)	320	270	270	270	270
Total cloud cover (octa)	8	6	6	5	2

As per the forecast of IMD & KAU, there is a chance of light rainfall in the district.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Since light rainfall is expected, precaution should be taken during drying of agricultural products and spraying of pesticides.		
Rice (Mundakan)	Leaf folder	There is a chance of Leaf folder attack in <i>Mundakan</i> Paddy. It can be controlled by using <i>trichogramma</i> cards (2CC per one acre). Cut the cards in to small pieces and fix in different regions of the field. If the attack is severe, spray quinalphos @ 2ml per one liter of water.
Seedling stage	Rice case worm	During rainy season, there is a chance of rice case worm in paddy field. To control this 25 kg sawdust or rice husk ash mixed with one litre kerosene (for 1 acre) can be spread after draining the field.
Banana	Planting time	Lime can be applied at 250 gram per plant at the time of planting.
Pepper	Quick wilt	Due to continuous rain, there is a chance of quick wilt disease in Pepper. As a preventive measure, drench with 3 gram Copper Oxy Chloride (COC) per one litre of water in to the basin of each plant.
Nutmeg	Leaf fall	As a precautionary measure to manage leaf falling in nutmeg, spray 1% bordeaux mixture.
Chilli	White fly	There is a chance of white fly attack in chilli. Apply 2% neem oil garlic emulsion or spray 20g <i>Lecanicillium lecanii</i> per one litre of water in ten days intervals.
Animal Husbandry	Ensure the availability of green fodder to the animal daily. Provide mineral and vitamin mixture in prescribed quantity daily.	