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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

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23.10.2020

CURRENT SYNOPTIC SITUATION: The Depression over Northwest Bay of Bengal off Odisha coast moved north-northeastwards and lay centred at 0830 hrs IST of today, the 23rd October,2020 near Latitude 21.3°N & Longitude 88.4°E over Northwest Bay of Bengal off West Bengal/Bangladesh coasts, about 50 km southeast of Sagar Islands (West Bengal) and 200 km westsouthwest of Kheppupara (Bangladesh). An eastwest trough runs roughly along 13°N across peninsular India between 1.5 km & 3.6 km above mean sea level. A cyclonic circulation lies over Southwest Arabian Sea extending upto 1.5 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	24.10.2020	25.10.2020	26.10.2020	27.10.2020	28.10.2020
Rainfall (mm)	0.1	0	0	0	1
Maximum temperature(°C)	30	30	30	30	30
Minimum temperature (°C)	24	24	24	24	24
Maximum Relative Humidity (%)	95	95	95	95	95
Minimum Relative Humidity (%)	75	75	75	75	75
Wind speed (kmph)	8	8	12	14	10
Wind direction (deg)	270	250	230	270	290
Total cloud cover (octa)	7	6	4	5	7

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

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Since low rainfall is expected, spraying of pesticides and drying of agricultural products can be done.		
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.	