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**Agromet Advisory Service Bulletin**

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**PALAKKAD DISTRICT**

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**18.08.2020**

**CURRENT SYNOPTIC SITUATION:** A cyclonic circulation lies over northeast Madhya Pradesh & neighbourhood extending upto 5.8 km above mean sea level tilting southwards with height. An eastwest shear zone runs roughly along Lat. 20°N across Central India between 4.5 km & 7.6 km above mean sea level tilting southwards with height. A cyclonic circulation lies over Northeast Bay of Bengal & neighbourhood between 5.8 km & 7.6 km above mean sea level.

**WEATHER FORECAST FOR THE NEXT FIVE DAYS:**

Weather parameters	19.08.2020	20.08.2020	21.08.2020	22.08.2020	23.08.2020
Rainfall (mm)	5	3	5	5	7
Maximum temperature(°C )	31	31	31	31	31
Minimum temperature (°C )	24	24	24	24	24
Maximum Relative Humidity (%)	96	96	96	96	96
Minimum Relative Humidity (%)	80	80	80	80	80
Wind speed (kmph)	14	14	12	12	12
Wind direction (deg)	270	270	270	270	270
Total cloud cover (octa)	7	6	7	7	7

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

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	Pest/ Disease	Advisories
<b>General Advisories:</b> Proper drainage facilities should be ensured to protect the agricultural crops from pest & diseases during rainy season.		
Rice ( <i>Virippu</i> ) Panicle initiation	Bacterial Leaf Blight (BLB)	As a prophylactic measure to manage Bacterial Leaf Blight in waterlogged paddy fields, spray a mixture of cow dung slurry (20g cow dung per one litre of water) and pseudomonas solution (20g per one litre of water) or apply bleaching powder @ 2kg per one acre in the irrigation 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.
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.
Pepper	Foot rot	Due to continuous rain, there is a chance of foot rot disease in Pepper. As a preventive measure, drench with three 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.
Ginger	Soft rot	During rainy season, to avoid the spreading of soft rot in ginger, apply mixture of 20 gram Pseudomonas in one litre of water or apply a mixture of 25 gram bleaching powder and 250 gram lime in to the basin.
Cucurbitaceous Vegetables	Downy mildew	Due to high relative humidity, there is a chance of downy mildew attack in cucurbitaceous vegetables. As a prophylactic measure, spray pseudomonas solution (20 g per one litre) under the leaves.
Animal Husbandry	Care should be taken to avoid mould growth in the feed. So place the feed bag on the top of wooden or iron board.	