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**Agromet Advisory Service Bulletin**

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**ERNAKULAM DISTRICT**

**AAS 34/2020,(67) Tuesday**

**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)                 | 4          | 2          | 5          | 3          | 5          |
| Maximum temperature(°C)       | 30         | 30         | 30         | 30         | 30         |
| Minimum temperature (°C)      | 24         | 24         | 24         | 24         | 24         |
| Maximum Relative Humidity (%) | 94         | 94         | 94         | 94         | 94         |
| Minimum Relative Humidity (%) | 73         | 73         | 73         | 73         | 73         |
| Wind speed (kmph)             | 16         | 18         | 18         | 16         | 14         |
| Wind direction (deg)          | 290        | 320        | 320        | 290        | 290        |
| Total cloud cover (octa)      | 7          | 7          | 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<br>( <i>Virippu</i> )<br>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<br>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. |   |