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**Agromet Advisory Service Bulletin**

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**ERNAKULAM DISTRICT**

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**CURRENT SYNOPTIC SITUATION:**

A feeble off shore trough at mean sea level runs from Karnataka to Kerala coast.  
 A cyclonic circulation lies over East central Arabian sea off Maharashtra coast between 3.1 & 3.6 km above mean sea level.  
 An East West shear zone runs roughly along Lat 15° N between 4.5 & 5.8 km above mean sea level.  
 A cyclonic circulation lies over West central and adjoining North west Bay of Bengal and North Andhra Pradesh – south Odisha coast extending upto 5.8 km above mean sea level tilting southwestwards with height.  
 A cyclonic circulation lies over North Kerala & neighbourhood at 7.6 Km above mean sea level.

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

| Weather parameters            | 20.07.2019 | 21.07.2019 | 22.07.2019 | 23.07.2019 | 24.07.2019 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)                 | 80         | 25         | 20         | 30         | 25         |
| Maximum temperature (°C)      | 27         | 27         | 27         | 27         | 27         |
| Minimum temperature (°C)      | 24         | 24         | 24         | 24         | 24         |
| Maximum Relative Humidity (%) | 98         | 98         | 98         | 98         | 98         |
| Minimum Relative Humidity (%) | 80         | 80         | 80         | 80         | 80         |
| Wind speed (kmph)             | 30         | 28         | 22         | 18         | 14         |
| Wind direction (deg)          | 320        | 290        | 320        | 290        | 320        |
| Total cloud cover (octa)      | 8          | 8          | 7          | 8          | 8          |

**Moderate rainfall in the district and Extremely heavy rainfall in isolated places are forecasted by IMD & KAU.**

**AGRO-METEOROLOGICAL ADVISORIES:**

| Crop   | Crop Stage            | Pest/ Disease   | Advisories  |
|--|-----------------------|---|---|
| <b>General Advisories:</b><br>Proper support should be provided to banana crop to protect it from mechanical damage due to heavy rainfall.<br>Proper drainage facilities should be ensured to protect the crops especially Virippu paddy, coconut seedlings and vegetables from damage due to heavy rainfall as well as from susceptible pest & diseases during this rainy period. |                       |   |   |
| Rice (Virippu)   | Tillering stage       | Leaf folder   | Since cloudy weather is prevailed, there is a chance of Leaf folder attack in Virippu Paddy. It can be controlled by using trichogramma 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. |
| Coconut  | -                     | Bud rot   | There is a chance of bud rot in rainy season. Keep three numbers each of perforated Mancozeb sachets (5 gm) around spindle leaves as a prophylactic measure against bud rot.  |
| Banana   | Bunch emergence stage | Sigatoka disease  | Due to the pre monsoon showers, there is a chance of Sigatoka disease in banana. As a precaution, Spray Pseudomonas 20g/litre. In case of severe attack spray 1 gm Bavistin by mixing it with gum in 1 litre of water on lower surface of leaf.   |
| Animal Husbandry   |                       | Keep the cattle shed and premises clean to avoid mosquito breeding .(CAADECCS, KVASU, Mannuthy) |   |