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**Agromet Advisory Service Bulletin**

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**CHALAKUDY BLOCK, THRISSUR DISTRICT**

**AAS 29/2020,(58) Friday**

**17.07.2020**

**SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:**

The total rainfall received 105.3 mm. The maximum temperature ranges from 30.0°C to 32.0°C, minimum temperature ranges from 21.9°C to 23.8°C. Morning relative humidity ranges from 89% to 98% and afternoon relative humidity ranges from 65% to 96%. Wind speed ranges from 0.5 to 1.9 km/h. Bright sunshine hours range from 0.0 to 8.4 hours. Evaporation ranges from 1.6 to 3.5 mm.

**CURRENT SYNOPTIC SITUATION:** An east-west shear zone runs roughly along Latitude 20°N between 3.1 & 5.8 km above mean sea level tilting southwards with height. An off-shore trough at mean sea level runs from eastcentral Arabian Sea off Karnataka coast to Lakshadweep area.

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

| Weather parameters            | 18.07.2020 | 19.07.2020 | 20.07.2020 | 21.07.2020 | 22.07.2020 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)                 | 25         | 15         | 5          | 8          | 15         |
| Maximum temperature(°C )      | 27         | 27         | 29         | 29         | 29         |
| Minimum temperature (°C )     | 22         | 22         | 23         | 23         | 23         |
| Maximum Relative Humidity (%) | 98         | 98         | 98         | 98         | 98         |
| Minimum Relative Humidity (%) | 67         | 67         | 67         | 67         | 67         |
| Wind speed (kmph)             | 12         | 10         | 8          | 12         | 8          |
| Wind direction (deg)          | 250        | 290        | 290        | 290        | 270        |
| Total cloud cover (octa)      | 8          | 8          | 7          | 6          | 8          |

As per the forecast of IMD & KAU, there is a chance of moderate 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. |                                                                      |                                                                                                                                                                                       |
| Paddy                                                                                                                                               | Seedling stage                                                       | Since the relative humidity of air is more, there is a chance of fungal diseases in paddy. As a prophylactic measure, spray pseudomonas 20 gm per litre.                              |
| Coconut                                                                                                                                             | Management                                                           | During southwest monsoon season, 25 to 50 kilogram of organic manure can be applied per one matured palm by opening the coconut basin.                                                |
| 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. |
| Vegetables (Cowpea)                                                                                                                                 | Anthraxnose disease                                                  | During rainy season, there is a chance of Anthracnose disease in Cowpea. As a prophylactic measure, apply 1% Bordeaux mixture or spray pseudomonas 20 gm per litre of water.          |
| Animal Husbandry                                                                                                                                    | Don't allow the animals to water logged areas to avoid foot lesions. |                                                                                                                                                                                       |