



**Kerala Agricultural University, Vellanikkara, Thrissur**  
**Department of Agricultural Meteorology, College of Horticulture**

Email: cohagmet@kau.in & kauagmet@yahoo.co.in

**Agromet Advisory Service Bulletin**

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**ERNAKULAM DISTRICT**

**AAS 47/2018(92), Tuesday**

**21.11.2018**

**CURRENT SYNOPTIC SITUATION:** The well marked low pressure area over south west Bay of Bengal off Tamil Nadu coast now lies over southwest Bay of Bengal and adjoining coastal Tamil Nadu with associated upper air cyclonic circulation extending upto 5.8 km above mean sea level. A trough from this cyclonic circulation to Maldives area across Interior Tamil Nadu and Kerala between 2.1 and 3.1 km above mean sea level. The well marked low pressure area over south west Arabian sea with associated upper air cyclonic circulation extending upto 4.5 km above mean sea level persists.

**HEAVY RAINFALL WARNING:**

**DAY 1 & 2:** Heavy rainfall is very likely to occur at one or two places in Kerala.

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

| Weather parameters            | 22.11.2018 | 23.11.2018 | 24.11.2018 | 25.11.2018 | 26.11.2018 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)                 | 8          | 17         | 18         | 20         | 10         |
| Maximum temperature (°C)      | 31.1       | 31.1       | 31.1       | 31.1       | 31.1       |
| Minimum temperature (°C)      | 23.1       | 23.1       | 23.1       | 23.1       | 23.1       |
| Total cloud cover (octa)      | 5          | 7          | 7          | 7          | 5          |
| Maximum Relative Humidity (%) | 95         | 95         | 95         | 95         | 95         |
| Minimum Relative Humidity (%) | 75         | 75         | 75         | 75         | 75         |
| Wind speed (kmph)             | 6          | 6          | 6          | 6          | 6          |
| Wind direction (deg)          | 140        | 50         | 130        | 230        | 230        |

**As per IMD forecast, moderate rainfall is expected for coming week in the district.**

**AGRO-METEOROLOGICAL ADVISORIES:**

| Crop                | Crop stage   | Pest/ Disease | Advisories  |
|---------------------|--|---------------|---|
| Paddy               | Seedling stage   | Rice armyworm | <p>There is a chance of rice armyworm in the paddy field. To control,</p> <ul style="list-style-type: none"> <li>• Complete flooding of field for 24 hours wherever possible.</li> <li>• Spraying of chlorantraniliprole @ 3 ml per 10 litre of water in the field, bunds and weeds.</li> <li>• In the fields where transplanting is not yet undertaken, application of chlorantraniliprole granules @ 4 kg per one acre along with basal dose of fertilizers.</li> <li>• Keep the field bunds and surroundings weed free.</li> </ul> |
| Vegetables (cowpea) | -  | Aphids        | <p>There is a chance of aphids in cowpea. Apply 2% neem oil emulsion or apply 20 g verticillium lecanii per one litre of water in 10 days intervals. If aphid attack is severe, apply 3 ml Imidacloprid or 2 g Thiamethoxam per 10 litre of water.</p>  |
| Banana              | -  | Spodoptera    | <p>Destroy the affected leaves along with the Spodoptera. If Spodoptera attack is severe, spray quinalphos 2ml per one litre of water or chlorantraniliprole 3 ml per 10 litre of water.</p>  |
| Animal Husbandry    | <p>Mix 30g sodium bicarbonate and 1-teaspoon yeast in the feed daily to avoid digestive disorders associated with excessive acidity. (CAADECCS, KVASU, Mannuthy)</p> |               |   |