

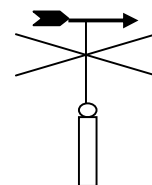


## Advisory Service bulletin 32/17, Friday dt.11-08-2017

( Issued jointly by IAAS Vellanikkara)

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### ERNAKULAM

**CURRENT SYNOPTIC SITUATION:** A feeble trough of low pressure runs from south Maharashtra coast to Kerala coast. An east west shear line runs roughly along Lat 12° N at 3.6 km above sea level. An upper air cyclonic circulation over North Bay of Bengal and neighbourhood extending up to 5.8 km above mean sea level and tilting southwards with height.

**HEAVY RAINFALL WARNING:** Heavy rainfall will occur at one or two places in Kerala till the morning of 21<sup>st</sup> August 2017.

#### NWP MODELS BASED DISTRICT LEVEL WEATHER FORECAST

ISSUED ON: 18.08.2017

VALID TILL 08:30 HRS IST OF THE NEXT 5 DAYS

DISTRICT : ERNAKULAM

#### ENSEMBLE FCST

| PARAMETERS                | 19.08.2017 | 20.08.2017 | 21.08.2017 | 22.08.2017 | 23.08.2017 |
|---------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)             | 15         | 15         | 12         | 15         | 8          |
| Max Temperature ( deg     | 29         | 29         | 30         | 31         | 31         |
| Min Temperature ( deg C)  | 24         | 24         | 24         | 25         | 25         |
| Total cloud cover (octa)  | 7          | 7          | 7          | 7          | 7          |
| Max Relative Humidity (%) | 90         | 90         | 90         | 90         | 90         |
| Min Relative Humidity (%) | 75         | 75         | 75         | 75         | 75         |
| Wind speed (kmph)         | 16         | 16         | 16         | 16         | 16         |
| Wind direction (deg)      | 230        | 250        | 250        | 250        | 250        |

#### Agro Meteorological Advisories:

| Crop                        | Stage of the crop / Pest/Disease     | Advisories  |
|-----------------------------|--------------------------------------|---|
| Paddy<br>(Jyothi, Kanchana) | Panicle initiation/<br>Sheath blight | There is a chance for Sheath blight disease in paddy. The symptom is that occurrence of elongated greyish patches on the outer leaves of paddy. Black lesions can be seen on the lower part just above the water level. Apply Hexaconazole 5 EC @ 1000 ml per 1 hectare to control Sheath blight.                     |
| Coconut                     | Mahali                               | There is a chance of Mahali disease during rainy season. Apply 1% Bordeaux mixture.   |
| Vegetables                  | Thrips and Mite                      | Due to changing weather pattern (alternate rainfall) there is a chance for the attack of thrips and mites in vegetables. Apply Spiromecifen 8 ml/10 L of water.   |
| Animal Husbandry            | -                                    | Take vaccination against Haemorrhagic septicaemia in cattles. If fever and respiratory distress are noticed consult a veterinary surgeon. Control the vector (mosquito) of the disease.<br><b>Thank you for Information:</b> Centre for Animal Adaptation to Environment and Climate Change Studies, KVASU, Mannuthy. |

