



Kerala Agricultural University, Vellanikkara, Thrissur
Department of Agricultural Meteorology, College of Horticulture
Email: cohagmet@kau.in&kauagmet@yahoo.co.in



Agromet Advisory Service Bulletin
 (Issued jointly by AMFU Thrissur, India Meteorological Department and Department of Agriculture)

ERNAKULAM DISTRICT

AAS 33/2019(65), Tuesday

13.08.2019

CURRENT SYNOPTIC SITUATION: An off-shore trough at mean sea level runs from Maharashtra coast to north Kerala coast. A low pressure area lies over southern parts of Gangetic West Bengal & adjoining north Odisha and associated cyclonic circulation extends upto 7.6 km above mean sea level tilting southwestward with height. A cyclonic circulation lies over Interior Tamil Nadu & neighbourhood at 7.6 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	14.08.2019	15.08.2019	16.08.2019	17.08.2019	18.08.2019
Rainfall (mm)	50	25	8	10	10
Maximum temperature(°C)	30	30	30	30	30
Minimum temperature (°C)	23	23	23	23	23
Maximum Relative Humidity (%)	97	97	97	97	97
Minimum Relative Humidity (%)	80	80	80	80	80
Wind speed (kmph)	16	18	16	18	12
Wind direction (deg)	290	290	320	340	340
Total cloud cover (octa)	8	8	7	8	7

According to the forecast of IMD & KAU, as per the current situation, moderate rainfall with isolated heavy rainfall is expected in coming two days in the district and the rainfall intensity may decrease afterwards.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Proper drainage facilities should be ensured to protect the agricultural crops from pest & diseases during this rainy season.		
Rice(<i>Virippu</i>) Panicle initiation	Leaf folder & Stem borer	Since cloudy weather is prevailed, there is a chance of leaf folder and stem borer attack in virippu paddy. As a prophylactic measure, apply 2CC Trichogramma chilonis card per acre to control leaf folder and 2CC Trichogramma japonicum card per acre to control stem borer in paddy. Cut the cards in to small pieces and fix in different parts of the field in plastic cups. If the attack is severe, spray 3ml chlorantraniliprole per 10 litre of water.
Coconut	Bud rot disease	There is a chance of bud rot in rainy season. Keep three numbers each of perforated Mancozeb sachets (5 gm per packet) around spindle leaves as a prophylactic measure against bud rot.
Nutmeg	Fruit rot & leaf fall	During rainy season, there is a chance of Fruit rot and leaf fall in Nutmeg. As a prophylactic measure, apply <i>Trichoderma</i> mixture. Add 2 kg <i>Trichoderma</i> to a mixture of 90 kg FYM and 10 kg Neemcake and kept for two weeks with sufficient moisture. Basal application of 2.5 kg of this mixture will be followed by foliar spray with pseudomonas (20g/litre) or 1% Bordeaux mixture.
Cucurbitaceous Vegetables	Downy mildew disease	There is a chance of downy mildew attack in vegetables due to rainy season. Application of 2gm, curzate M-8 or <i>Trichoderma</i> 20g/litre under the leaves in 15 days interval is effective to control downy mildew disease.
Animal Husbandry		Care should be taken to avoid mould growth in the feed (CAADECCS, KVASU Mannuthy)