



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 32/2019(63), Tuesday

06.08.2019

CURRENT SYNOPTIC SITUATION: The Well Marked Low Pressure area over north Bay of Bengal and adjoining coastal areas of Bangladesh & West Bengal has concentrated into a Depression and lay centred at 0830 hours IST of today, the 6th August, 2019, over northwest Bay of Bengal off north Odisha-West Bengal coasts near Lat 20.5°N & Long 88.0°E, above 160 km southeast of Balasore (Odisha) and about 130 km southsoutheast of Digha (West Bengal).It is very likely to intensify into a Deep Depression during next 24 hours. It is likely to move west-northwestwards across Odisha-West Bengal coasts during next 48 hours.The trough from south Gujarat now runs upto the cyclonic circulation associated with the Depression over northwest Bay of Bengal across north Maharashtra, south Chhattisgarh and south Odisha and extends between 3.6 & 7.6 km above mean sea level tilting southwards with height.A feeble off-shore trough at mean sea level runs from south Gujarat coast to north Kerala coast.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	07.08.2019	08.08.2019	09.08.2019	10.08.2019	11.08.2019
Rainfall (mm)	30	25	20	25	30
Maximum temperature(°C)	30	30	30	30	30
Minimum temperature (°C)	26	26	26	26	26
Maximum Relative Humidity (%)	85	85	85	85	85
Minimum Relative Humidity (%)	80	80	80	80	80
Wind speed (kmph)	10	12	9	6	4
Wind direction (deg)	270	270	290	320	270
Total cloud cover (octa)	7	8	7	7	5

Moderate rainfall is forecasted in the district by IMD & KAU. There is chance for heavy rainfall in isolated places.

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	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.
Banana - Bunching stage	Pseudostem weevil	During the rainy season, if infestation of pseudostem weevil is noticed, spray 2.5 ml of chlorpyrifos or 2 ml of quinalphos mixing with gum per one litre of water in leaf axils and by inserting the nozzle through the boreholes made by the larvae.
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.
Vegetables	Green leaf hopper	There is a chance of green leaf hopper attack in Bhindi. Spray 2 g Thiamethoxam per 10 litre of water.
Animal Husbandry		Care should be taken to avoid mould growth in the feed (CAADECCS, KVASU Mannuthy)