

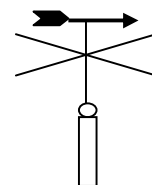


Advisory Service bulletin 20/17, Friday dt.19-05-2017

(Issued jointly by IAAS Vellanikkara)

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ERNAKULAM

CURRENT SYNOPTIC SITUATION: An upper air east-west trough/shear line runs roughly along Lat 8°N at 2.1 km above sea level.

NWP MODELS BASED DISTRICT LEVEL WEATHER FORECAST

ISSUED ON: 19.05.2017

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

STATE : KERALA

PARAMETERS	ENSEMBLE FCST				
	DAY-1 20/05	DAY-2 21/05	DAY-3 22/05	DAY-4 23/05	DAY-5 24/05
DISTRICT : ERNAKULAM					
Rainfall (mm)	0	2	16	0	0
Max Temperature (deg C)	33	33	33	33	33
Temperature (deg C)	25	25	25	25	25
Total cloud cover (octa)	4	6	7	4	4
Max Relative Humidity (%)	85	85	85	85	85
Min Relative Humidity (%)	75	75	75	75	75
Wind speed (kmph)	014	014	014	014	014
Wind direction (deg)	290	290	290	290	290

Agro Meteorological Advisories:

Crop	Stage of the crop / Pest/Disease	Advisories
Banana	Sigatoka	Due to the changing weather pattern, there is a chance of sigatoka disease in banana. As a precaution, Spray Pseudomonas 20g per 1 liter of water. In case of severe attack spray 1 gm Bavistin by mixing it with gum in 1 litre of water on lower surface of leaf.
Pepper	Quick wilt	There is a chance of Quick wilt disease due to high relative humidity. Apply trichoderma or pseudomonas culture in soil or 1% Bordeaux mixture can be sprayed on the leaves and small branches.
Vegetables	Mosaic/ Yellowing	Due to the increase in atmospheric temperature, the attack of insects such as aphids, white flies, hoppers are more. As a result of this, there is a chance of mosaic disease in vegetables, which can be controlled by applying 5 g of Verticillium or Metarhizium in 1 litre of water. Add neem cake as manure. Neem based insecticides can be applied. Control the vectors by spraying Dimethoate 0.05 %. Uprooting and destruction of affected plants and collateral hosts should be done. In severe condition of mosaic, apply Thiomethoxan 0.2 g /L is effective. To control the vectors of yellowing spray 3ml nimbidine or 1.5 ml Dimethoate in 1 litre of water.

Preparation of Trichoderma culture: Dry neem cake and powdered cowdung are mixed at 1:10 ratio and add 1 kg trichoderma with 100 kg of above mixture. Then sprinkle water and mix it thoroughly. Cover it with a perforated polythene sheet and keep it in shade for 5 days for multiplication. Again mix well and keep for 3 more days for further multiplication and incorporate into the soil for controlling Quick wilt.