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**Agromet Advisory Service Bulletin**

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**ERNAKULAM DISTRICT**

**AAS 36/2021, (72)Friday**

**03.09.2021**

**CURRENT SYNOPTIC SITUATION:** An upper air cyclonic circulation lies over Northeast Arabian Sea & adjoining Saurashtra extending upto 5.8 km above mean sea level tilting southwestwards with height. The cyclonic circulation over Westcentral & adjoining Southwest Bay of Bengal off south Andhra Pradesh-north Tamilnadu coasts now lies over Coastal Andhra Pradesh & neighbourhood between 1.5km & 4.5 km above mean sea level tilting southwards with height. A cyclonic circulation lies over Eastcentral Bay of Bengal between 4.5 km & 5.8 km above mean sea level. A shear zone runs roughly along Latitude 10°N between 5.8 km & 7.6 km above mean sea level.

**HEAVY RAINFALL WARNING: Day 4:** Heavy (7- 11 cm in 24 hours) rainfall is very likely to occur at isolated places in the districts of Ernakulam, Idukki, Malappuram, Kozhikode, Kannur & Kasaragod.

**Day 5:** Heavy (7- 11 cm in 24 hours) rainfall is very likely to occur at isolated places in the districts of Ernakulam, Idukki, Malappuram, Kozhikode, Kannur & Kasaragod.

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

Weather parameters	04.09.2021	05.09.2021	06.09.2021	07.09.2021	08.09.2021
Rainfall (mm)	15	5	20	25	20
Maximum temperature(°C )	30	30	30	30	30
Minimum temperature (°C )	24	24	24	24	24
Maximum Relative Humidity (%)	90	90	90	90	90
Minimum Relative Humidity (%)	75	75	75	75	75
Wind speed (kmph)	2	4	3	4	4
Wind direction (deg)	320	320	320	320	320
Total cloud cover (octa)	4	4	6	6	6

As per the forecast of IMD & KAU, there is a chance of moderate rainfall in isolated places of the district. Below normal rainfall is expected in Kerala.

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	Pest/ Disease	Advisories
<b>General Advisories:</b> Pesticides can be applied only during dry period.		
Paddy (virippu) Milky stage	Rice bug	There is a chance of appearance of rice bug in paddy. To control, spray 2 ml malathion per one litre of water. Pesticides application should be done either before 9 am or after 3 pm. Otherwise, the pesticide application will adversely affect the pollination.
Rice (Mundakan)	Land preparation	Land preparations for mundakan paddy can be started in kole paddy field, apply lime and nursery preparation. Seed treatment with pseudomonas can be done before sowing. (10 gram of pseudomonas per one kg of paddy seeds.)
Pepper	Foot rot	As a prophylactic measure to manage foot rot during rainy season, add 2 kg Trichoderma to a mixture of 90 kg FYM and 10 kg neem cake and kept for two weeks with sufficient moisture. Add 2.5 kg of this mixture to the base of each matured pepper vine.
Coconut	Management	While applying second dose of fertilizers to coconut palms, apply 550 gram urea, 700 gram Rajphos and 800 gram potash under irrigated conditions and apply 500 gram urea, 800 gram Rajphos and one kg potash under rainfed conditions
Ginger	Shoot borer	There is a chance of shoot borer in ginger. Spray 20 g <i>Beauveria</i> per one litre of water to control stem borer.
Vegetables (Bitter gourd)	Downy mildew	There is a chance of downy mildew attack in bitter gourd. Spray 2.5gm Mancozeb per one litre of water under the leaves.
Animal Husbandry		Avoid water logging in the cattle shed premises to prevent mosquito breeding. If required apply mosquito / fly repellent on the animal body and in the cattle shed. (caadeccs, kvasu, Mannuthy).

(Information given by RRS Vyttila)