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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

AAS 07/2021, (14) Friday

12.02.2021

CURRENT SYNOPTIC SITUATION: A trough in low level easterlies at 0.9 km above mean sea level runs from central Kerala to Vidarbha across Interior Karnataka & Marathwada. A cyclonic circulation lies over Equatorial Indian Ocean & adjoining central parts of South Bay of Bengal extending upto 1.5 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	13.02.2021	14.02.2021	15.02.2021	16.02.2021	17.02.2021
Rainfall (mm)	0	0	0	0	0
Maximum temperature(°C)	32	32	32	32	32
Minimum temperature (°C)	23	22	22	22	22
Maximum Relative Humidity (%)	62	62	62	62	62
Minimum Relative Humidity (%)	46	46	46	46	46
Wind speed (kmph)	18	16	14	14	16
Wind direction (deg)	230	230	250	270	270
Total cloud cover (octa)	4	2	3	4	5

As per the forecast of IMD & KAU, due to no rainfall and prevailing dry weather conditions, irrigation of crops to be continued in the district. Below normal rainfall is expected in Kerala.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Since no rainfall is forecasted, drying of agricultural products and spraying of pesticides can be done.		
Rice (Mundakan) Dough stage	Rice bug	There is a chance of rice bug attack in paddy. To control, keep the field and bunds free of weeds and grasses. Avoid over lapping cultivation in an area. Spray fish jaggery extract (20 ml/litre of water) or spray chitin based <i>Pseudomonas flurescens</i> 20 gram in one litre of water. If the attack was severe, spray Azadirachtin 10 ml or Malathion 2 ml per 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. Spraying should be in spiral manner, beginning at the field bunds and progressing towards the field centre.
	Blast	To control Blast disease in rice, spray 4 gram of Nativo (Trifloxystrobin + Tebuconazole) mixture in ten litres of water.
	Bacterial Leaf Blight	As a prophylactic measure, spray 20 gram <i>Pseudomonas</i> in one litre of water. To control the spread of Bacterial Leaf blight in paddy, spray 6 g of Streptocycline in 30 litre of water.
Banana	Micro nutrient deficiencies	The micro nutrient deficiencies of two to four months old banana plants can be managed by applying 100 gram Ayarin in to the basin of the plant.
Chilly	Thrips	There is a chance of thrips attack in chilly. Apply 2% neem oil and garlic emulsion under the leaf surface at 10 days intervals. (50 g bar soap was dissolved in hot water and mixed with 200 ml neem oil and 200 gram filtered garlic extract, and diluted with water to make into 10 liter of 2% emulsion).If the attack is severe, apply spiromecifen 8 ml per ten litre of water.
Animal Husbandry		Ensure sufficient supply of clean drinking water to the animals. Take measures for preventing mosquito breeding in the premises.