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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

AAS 40/2021, (80)Friday

01.10.2021

CURRENT SYNOPTIC SITUATION: The Depression over northeast Arabian Sea off Gujarat coast moved west-northwestwards **intensified into a Deep Depression** over northeast Arabian Sea off Gujarat coast, moved westnorthwestwards and **intensified further into a Cyclonic storm 'Shaheen'** and lay centred at 0530 hrs IST of today the 1st October, 2021, near latitude 23.2°N and longitude 65.3°E, about 400 km westnorthwest of Devbhoomi Dwarka , 260 km southsouthwest of Karachi and 530 km eastsoutheast of Chabahar Port (Iran). The Cyclonic storm 'Shaheen' over northeast Arabian Sea & neighbourhood moved westnorthwestwards and lay centred at 0830 hrs IST of today, the 1st October, 2021, over central parts of north Arabian Sea, near latitude 23.2°N and longitude 64.9 °E, about 440 km westnorthwest of Devbhoomi Dwarka, about 490 km eastsoutheast of Chabahar Port (Iran) and 660 km eastsoutheast of Muscat (Oman).

Heavy Rainfall Warning:Day 1, Day 2, Day 3, Day 4: Heavy (7- 11 cm in 24 hours) rainfall is very likely to occur at isolated places in the districts of Thiruvananthapuram, Kollam, Pathanamthitta, Alappuzha, Ernakulam, Idukki ,Wayanad and in Lakshadweep.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	02.10.2021	03.10.2021	04.10.2021	05.10.2021	06.10.2021
Rainfall (mm)	15	14	15	10	4
Maximum temperature(°C)	31	31	31	31	31
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	96	96	96	96	96
Minimum Relative Humidity (%)	77	77	77	77	77
Wind speed (kmph)	14	12	8	14	18
Wind direction (deg)	270	270	230	200	180
Total cloud cover (octa)	8	8	8	8	7

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

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Pesticides can be applied only during dry period.		
Rice(Virippu)	Harvesting stage	First paddy crop (Virippu) is in Harvesting stage.
Rice (Mundakan)	Land preparation	Land preparations for mundakan paddy can be started in kole paddy field, apply lime during nursery preparation. Seed treatment with <i>pseudomonas</i> can be done before sowing. (10 gram of <i>pseudomonas</i> for one kg of paddy seeds.)
	Rice case worm	During rainy season, there is a chance of rice case worm in paddy field. To control this 25 kg sawdust or rice husk ash mixed with one litre kerosene (for 1 acre) can be spread after draining the field.
Arecanut	Mahali	Keep the field clean. Destroy completely affected trees. As a prophylactic measure, spray 1% Bordeaux mixture or two gram Copper oxychloride with stickers at 40-45 days interval.
Turmeric	Leaf Blotch (Taphrina maculans)	As a prophylactic measure, spray 2ml hexaconazole (Contaf) or 1 ml Propiconazole (Tilt) or 2.5 g copper oxychloride (Blitox or Blue copper) or 2 gram SAAF dissolved in one litre of water. Spraying can be continued at fortnightly intervals depending upon the intensity of the disease.
Ginger	Shoot borer	There is a chance of shoot borer in ginger and turmeric. Spray 20 g <i>Beauveria</i> per one litre of water to control stem borer.
	Rhizome rot	During rainy season, apply mixture of 15 gram bleaching powder and 250 gram lime in to the basin of three meter square bed to avoid the spreading of rhizome rot in ginger.
Animal Husbandry	Sundry the cattle feed frequently to avoid fungal growth. Take precautions to avoid ecto parasitic infestation. (caadeccs, kvasu, Mannuthy).	

(Information given by RRS Vyttila)