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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

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CURRENT SYNOPTIC SITUATION: A Low Pressure Area lies over southeast Arabian Sea and adjoining Equatorial Indian Ocean with associated cyclonic circulation extending upto 4.5 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	25.12.2020	26.12.2020	27.12.2020	28.12.2020	29.12.2020
Rainfall (mm)	0.5	0.1	0.1	0	0
Maximum temperature(°C)	31	32	32	32	32
Minimum temperature (°C)	24	23	23	23	23
Maximum Relative Humidity (%)	75	75	75	75	75
Minimum Relative Humidity (%)	62	62	62	62	62
Wind speed (kmph)	12	14	6	4	6
Wind direction (deg)	290	270	250	250	230
Total cloud cover (octa)	5	5	3	1	2

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.

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) Panicle Emergence	Bacterial Leaf blight	As a prophylactic measure, spray 20 gram Pseudomonas 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.
	Leaf folder	There is a chance of leaf folder attack in mundakan Paddy. It can be controlled by using trichogramma cards (2CC per one acre). Cut the cards in to small pieces and fix in different regions of the field. If the attack is severe, spray Chlorantraniliprole (Coragen) @ 3ml per ten litre of water.
Banana	Panama wilt	There is a chance of panama wilt in banana varieties like poovan, kadali etc. Drench the soil with one gram of carbendazim in one litre of water.
Vegetables (cowpea)	Aphids	There is a chance of aphids in cowpea. Apply 2% neemoil emulsion or apply 20 g <i>Verticillium lecanii</i> per one litre of water in 10 days intervals. If aphid attack is severe, apply 3 ml Imidacloprid or 2 g Thiamethoxam per ten litre of water.
Vegetables (Bhindi)	Jassid's	Due to increase in atmospheric temperature, Jassid attack may be increased. They can be controlled by applying 2% neem oil emulsion once in a week or by spraying <i>Lecanicillium lecanii</i> at 20 g per litre of water.
Animal Husbandry	Assure increased ventilation in the cattle shed.	