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DISTRICT: DHENKANAL (Mid-central Table Land Zone)

Weather condition during last week (06.12.2023 to 12.12.2023)

Rainfall (mm)	18.6
Maximum Temperature (°C)	21.2-29.4
Minimum Temperature (°C)	13.1-22.7

Forecast (Up to 17.12.2023) given by Met. Centre, IMD, Bhubaneswar

Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
13-12-2023	0	27	13	2	71	30	4	158
14-12-2023	0	27	13	3	81	32	5	153
15-12-2023	0	27	14	3	67	33	5	112
16-12-2023	0	27	14	0	53	27	5	150
17-12-2023	0	26	14	0	52	23	5	75

As per IMD forecast, the Dhenkanal district is likely to dry for the next five days with clear to partly cloudy sky. The wind speed is likely to remain 04-05 km/h. The maximum temperature is likely to remain between 26-27°C and minimum temperature between 13-14°C. The maximum RH will remain between 52% to 81% and minimum RH between 23% to 33% for the next five days.

Agromet Advisory

- ❖ Due to low night temperature and fog condition, there will be chance of infestation of sucking pests, leaf blight, powdery mildew in the Rabi crops and vegetables. Monitor the crops and vegetables, if symptoms are noticed, undertake appropriate plant protection measures.
 - ❖ Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
 - ❖ Carry out weeding, hoeing and other intercultural operations in Rabi vegetables.
- SUGARCANE:** Harvest the mature cane when the brix reading reaches 18 or above. Harvesting of canes should be done below one inch of ground level for a successful ratoon crop. Transport the cane immediately after harvest to the factory for crushing. Maximum recovery takes place when the cane is crushed within 24 hours after harvesting.
- MUSTARD:** There are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre. You can also use Verticillium lecanii bio pesticide @ 5 g per lit of water. Spray Neem based pesticide 1500 PPM @ 600-ml/acre by mixing in 200-litre of water. If the infestation is severe than spray chemical pesticide Thiamethoxam 25 % WG @ 50-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200- liter of water.
- GROUNDNUT:** There are chances Leaf Miner infestation in groundnut crop. To control this spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.
- ONION:** To prevent Damping off disease in nursery, drench the nursery bed with Carbendazim @ 2 g/litre of water at 15 days interval. Seedlings of 8-weeks old are planted in the main field.
- CABBAGE & CAULIFLOWER:** To manage Diamond Back Moth pest install 6-8 no.s of light traps per acre. During primary stage of pest infestation spray neembased pesticide (Azadirachtin) 300 PPM @ 1-litre/acre by mixing in 200-litre of water. Spray Tolfenpyrad 15 % EC @ 400-ml/acre or Flubendiamide 20 % WG @ 20-gram/acre or Emamectin Benzoate 5 % SG @ @80-gram/acre by mixing in 200-litre of water.
- BRINJAL:** To control leaf eating caterpillar and fruit borer in Brinjal, spray 80 g Emamectin benzoate or 80 ml Spinosad per 200 liter of water.
- FISHERIES:** During winters, there is a possibility of "EUS" disease in fish. Farmers are advised to apply Cifax @ 400 ml mixed with 40 litre of water in one acre pond area as a preventive measure. The fishes should be fed daily with oil cake bran mixture at the rate of 2-3 % of their total biomass.
- ANIMAL HUSBANDRY:** Animal's shed and its floor should not remain wet and cool for longer periods of time. This may expose the animals, especially younger ones, to various ailments like Pneumonia, Fever, Coccidiosis, Diarrhoea and even death in severe case. Good ventilation must be ensured during winter.
- POULTRY:** For maintaining the heat in the poultry shed during winter season, install heaters in the shed.

Approved by Associate Director of Research
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