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DISTRICT: DHENKANAL (Mid-central Table Land Zone)

Weather condition during last week (09.12.2023 to 15.12.2023)

Rainfall (mm)	0.0
Maximum Temperature (°C)	23.2-28.2
Minimum Temperature (°C)	13.1-17.5

Forecast (Up to 20.12.2023) 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)
16-12-2023	0	26	13	0	57	28	4	90
17-12-2023	0	26	14	0	62	27	4	225
18-12-2023	0	27	14	3	60	28	5	90
19-12-2023	0	26	15	2	61	29	5	162
20-12-2023	0	26	13	3	44	25	6	158

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 04-06 km/h. The maximum temperature is likely to remain between 26-27°C and minimum temperature between 13-15°C. The maximum RH will remain between 44% to 62% and minimum RH between 25% to 29% for the next five days.

Agromet Advisory

- ❖ To prevent damage from low soil temperature and moisture stress, provide light irrigation to standing vegetables and crops during morning and evening hours.
- ❖ 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.

PADDY: Now the weather is optimum for nursery sowing of Rabi rice. 10 decimal area is sufficient for nursery sowing for one acre planting.

BLACKGRAM AND GREENGRAM: To manage aphids during primary stage of pest infestation spray Neem Based Pesticide 1500 PPM @ 600 ml/acre. Then spray Thiamethoxam 25% W.G @ 40 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre by mixing in 200 litres of water.

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: To manage leaf Webber and Sawfly pests at early stage of infestation spray neem-based pesticide (Neem Oil 1500 PPM) @ 600-ml/acre by mixing in 200-litre of water. After 7-10 days, spray Bacillus thuringensis @ 500 g/acre by mixing in 200-litre of water. For chemical control, spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. Apply the insecticides in the afternoon hours so that the movement of Honeybees will not be disturbed.

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.

TOMATO: To control Fruit borer in Tomato, first collect and destroy the affected fruits and grown up larvae. Set up 20 nos. of pheromone trap having Helilure per acre. Go for spraying of insecticide if there are 10% fruits infested with borer. Spray Chlorantraniliprole 18.5% S.C @ 80 ml/acre or Flubendiamide 39.5 % M/M S.C @ 40 ml/acre or Indoxacarb 14.5% S.C. @ 200 ml/acre. Use any of the above insecticides alternately at 15 days interval.

POTATO: There are chances of early and late leaf Blight disease incidence in potato crop. To control early leaf blight in potato, spray Mancozeb 75% WP @600 g /acre or Carbendazim 12% + Mancozeb 63% W.P @ 400 g /acre. For controlling late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400 g /acre at 10 days interval.

CAULIFLOWER: To manage Alternaria leaf spot disease in Cole crops spray Mancozeb 75 % WP @ 600-gram/acre or carbendazim 12 % + Mancozeb 63 % WP @ 400-gram/acre by mixing in 200-litre of water.

MARIGOLD: To manage Leaf eating caterpillar pest biologically use Pheromone trap Spodolure @ 6/acre. Install light trap @ 8 nos. Apply Bacillus thuringensis @ 500 g/acre or Beauveria bassiana @ 500 g/acre. For chemical control, spray Chlorpyrifos 50 % + Cypermethrin 5 % E.C @ 400- ml/acre or Lambda Cyhalothrin 5% EC @ 300 ml/acre during afternoon hours by mixing with 200 litres of water.

Approved by Associate Director of Research
RRTTS, Mahisapat, Dhenkanal

For better agricultural benefits use, OUAT KALINGA products (Seedlings, Saplings & QPM, Tissue Culture Plants, Fruits & Vegetables, Value Added Products, Fingerlings/ Yearlings, Poultry chicks, Breeds, Mushroom & Spawn, Bio-Fertilizer, Bio-Pesticides, Vermi & VermiCompost and Farm Implements).

IMD Weather forecast and Agro-meteorological advisory of Odisha location is now available on Meghdoot mobile app in