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DISTRICT: DHENKANAL (Mid-central Table Land Zone)

Weather condition during last week (13.01.2024 to 19.01.2024)

Rainfall (mm)	Trace
Maximum Temperature (°C)	27.9-30.4
Minimum Temperature (°C)	13.6-20.2

Forecast (Up to 24.01.2024) 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)
20-01-2024	3	26	18	6	92	40	7	90
21-01-2024	0	27	17	5	94	44	8	117
22-01-2024	0	27	17	4	94	45	8	120
23-01-2024	2	26	18	6	94	45	8	116
24-01-2024	5	25	19	7	95	50	8	155

As per IMD forecast, the Dhenkanal district is likely to receive very light to light rainfall for the next three days except on Sunday and Monday with partly to generally cloudy sky. The wind speed is likely to remain 07-08 km/h. The maximum temperature is likely to remain between 25-27°C and minimum temperature between 17-19°C. The maximum RH will remain between 92% to 95% and minimum RH between 40% to 50% for the next five days.

Agromet Advisory

General Advisory:

- ❖ In view of rainfall forecast, Farmers are advised to cover the harvested paddy with polythene cover to protect it from light rain.
- ❖ Withhold application of fertilizer, pesticide and irrigation activity for time being.
- ❖ Transplanting of 25-30 days old Paddy seedlings should be done at a spacing of 20 x15 cm, plant 2-3 seedlings per hill for high yielding varieties.
- ❖ In Zinc deficient soil apply Zinc Sulphate (21%) @ 10 kg/acre at every three years.
- ❖ To control bacterial blight in Paddy, dip the seedling roots in 0.1% Plantomycin solution before transplanting for 30 minutes.

PADDY:

To manage stem borer in paddy at early stage of crop, use Trichogramma japonicum card @ 1/acre (50000/ha) at weekly interval for 6 times by splitting each card into 12 pieces at the scheduled points. Use pheromone traps @ 5 /acre. Apply Cartap Hydrochloride 4 % G @ 8kg/acre or Chlorantraniliprole 0.4 % GR @ 4kg/acre or Imidacloprid 0.3% GR @ 6kg/acre by mixing it with sand at 1:1 ratio.

BLACKGRAM AND GREENGRAM:

For management of Bihar hairy caterpillar in green gram and black gram crop, Spray Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. Bihar Hairy Caterpillar is nocturnal so insecticide spray should be done at evening hours. Dusting of Chlorpyrifos 1.5% DP@ 10-kg/acre should be done across the bund.

MUSTARD:

Due to foggy weather, there may be chances of white rust disease in Mustard, to control spray Metalaxyl @ 2g/liter of water.

GROUNDNUT:

White grub infestation in groundnut can be minimized by drenching Chloropyriphous @ 6ml/lit of water or Imidacloprid 30.5 sc@ 1ml/lit of water at the plant base.

COLE CROPS:

Prevailing weather is favorable for attack of tobacco caterpillar in Cole crops. To manage this pest biologically, use Pheromone trap Spodolure @ 6/acre. Instead of this install light trap @ 8 nos. Apply Bacillus thuringensis @ 400 g/acre or Beauveria bassiana @ 500 g/acre. For chemical control, spray Chlorpyriphos 50 % + Cypermethrin 5 % E.C @ 200-ml/acre or Lambda Cyhalothrin 5% EC @ 300 ml/acre during afternoon hours by mixing with 200 litres of water.

POTATO:

To manage Potato tuber moth pest, avoid shallow planting of tubers in areas where frequent infestation of Potato tuber moth occurs. Planting of seed tubers should be done at 10 cm depth. Do not leave the harvested tubers in the field overnight. To manage this pest chemically spray Spinosad 45%SC @ 75ml/acre or Emamectin Benzoate 5% SG @ 80g/ acre or Chlorantraniliprole 18.5 % SC @80ml/acre.

TOMATO:

To control early and late leaf blight in tomato, spray Mancozeb 75% WP @ 600 g/acre or Zineb 75% WP @ 500gram/acre at 7 days interval.

BRINJAL:

Use yellow sticky traps 5 @ 8-10/acre to attract and kill White fly in Brinjal. During primary stage of pest infestation spray neembased pesticide (Azadirachtin) 1500 PPM @ 600-ml/acre by mixing in 200-litre of water. To control this pest chemically spray Thiamethoxam 25 % WG @ 40 g/acre or Pyriproxifen 10% EC @ 200 ml/acre or Spiromesifen 22.9% SC @ 250 ml/acre by mixing in 200 litre of water.

MANGO:

The mango hoppers multiply rapidly in cloudy and foggy weather. To manage mango hoppers spray Imidacloprid 17.8% SL @ 5ml/15litre of water or Thiamethoxam 25% W.G @ 3ml/15litre of water or Acetamiprid 20% S.P. @ 4g/15litre of water. First spray should be done at the time of panicle emergence and second spray two weeks after first spray. Application of smoke below the plants can also help in reducing the pest population.

Approved by ADR cum Nodal Officer
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