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INDIA METEOROLOGICAL DEPARTMENT
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Week No.02

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(TUESDAY)

DISTRICT: DHENKANAL (Mid-central Table Land Zone)

Weather condition during last week (03.01.2024 to 09.01.2024)

Rainfall (mm)	0.0
Maximum Temperature (°C)	28.1-29.6
Minimum Temperature (°C)	13.3-15.9

Forecast (Up to 14.01.2024) 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)
10-01-2024	0	28	16	2	83	29	6	180
11-01-2024	0	28	17	2	84	29	5	150
12-01-2024	0	27	15	0	79	33	5	90
13-01-2024	0	26	14	0	72	31	6	124
14-01-2024	0	26	14	0	67	19	6	180

As per IMD forecast, the Dhenkanal district is likely to dry for the next five days with clear to mainly clear sky. The wind speed is likely to remain 05-06 km/h. The maximum temperature is likely to remain between 26-28°C and minimum temperature between 14-17°C. The maximum RH will remain between 67% to 84% and minimum RH between 19% to 31% for the next five days.

Agromet Advisory

General Advisory:

- ❖ Maintain saturated condition in the surface soil of nursery bed by applying irrigation in furrow, for proper establishment and early growth of Rice seedlings.
- ❖ Standing water to a depth of 2-3 cm should be maintained at least for 2-3 days before uprooting of seedlings.
- ❖ Sunflower crop is at 25-30 days stage. Go for hoeing and weeding and thinning and apply N - fertilizer.
- ❖ The mustard is at 15 to 20 days stage. Go for thin out the plants and maintain optimum plant population.
- ❖ Spraying of pesticides to be done after 3 pm to protect the honey bee.

PADDY:

Apply 800g Cartap Hydrochloride 4% G or 400g Chlorantraniliprole 0.4% G for 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

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 grab 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.

SUGARCANE:

Use pre-emergence herbicides like Atrazine 50 % WP @ 800g/acre or Metribuzin 70% WP @ 400-500g/acre within 3 days after planting to control weeds. Spray the herbicide by mixing it in 200 litres of water per acre. Always use flat-fan or flood-jet nozzle and clean water for herbicide

CHILLI:

Due to infestation of mites in Chilli downward curling and crinkling of leaves occur. Plant appears stunted. To manage mites in chilli crop spray Ethion 50 % EC @ 600-ml/acre or Spiromesifen 22.9 % SC @ 200-ml/acre or Propargite 57 % EC @ 600-ml/acre.

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 Chlorpyrifos 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:

For controlling Aphids in Potato during primary stage of pest infestation spray Neem Based Pesticide (Azadirachtin) 1500 PPM @ 600-ml/acre. For chemical control spray Thiamethoxam 25% W.G @ 40-gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre or Imidacloprid 17.8% SL @ 60-ml acre by mixing in 200 litre of water.

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.

ONION:

Onion Seedlings of 8-weeks old which are 12-15 cm in height should be planted in the main field. Before transplanting apply 10 tonnes of Compost, 52 kg of DAP, 30 kg of Murate of Potash 20 kg of urea and 20 kg of sulphur and mix it to the soil uniformly. Transplant the seedlings in line by keeping the row to row spacing at 25 cm and plant to plant spacing at 10 cm.

MANGO:

To control mango hopper, spray Imidacloprid @60ml or Carbendazim @200gm/200lit of water.

Approved by ADR cum Nodal Officer
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