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Week No.03

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(TUESDAY)

DISTRICT: DHENKANAL (Mid-central Table Land Zone)

Weather condition during last week (10.01.2024 to 16.01.2024)

Rainfall (mm)	0.0
Maximum Temperature (°C)	28.2-30.0
Minimum Temperature (°C)	13.6-19.3

Forecast (Up to 21.01.2024) 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)
17-01-2024	0	28	19	4	95	47	8	153
18-01-2024	5	28	19	4	96	45	11	162
19-01-2024	4	27	17	6	82	47	7	198
20-01-2024	0	27	17	0	90	38	7	103
21-01-2024	1	28	18	0	94	41	7	159

As per IMD forecast, the Dhenkanal district is likely to receive very light to light rainfall for the next five days except no rain is expected on Wednesday and Saturday with partly to generally cloudy then two days clear sky. The wind speed is likely to remain 07-11 km/h. The maximum temperature is likely to remain between 27-28°C and minimum temperature between 17-19°C. The maximum RH will remain between 82% to 96% and minimum RH between 38% to 47% for the next five days.

Agromet Advisory

General Advisory:

- ❖ In view of light rainfall forecast, harvest the matured crops and store them in safer place.
- ❖ Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- ❖ 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.
- ❖ Drain out excess water from paddy field before herbicide application and irrigate the field after two days of application of herbicide.

PADDY:

Fertilizer Application-

Farmers those who are going for transplanting should apply 35kg DAP, 30kg MOP and 8kg Urea per acre during last puddling. For sandy soil apply 35 kg DAP, 15 kg MOP and 8 kg Urea per acre during last puddling.

Weed management-

In transplanted and broadcasted paddy to control grasses, sedges and broad leaf weeds farmers are advised to spray, Bispyribac Sodium 10% E.C. @ 80 ml/acre or Ethoxysulfuron 15% WDG @ 40g/ acre at 3 to 4 leaf stage by mixing in 200 litre of water.

BLACKGRAM AND GREENGRAM:

Due to foggy weather there is a chance of powdery mildew disease in Black gram and Green gram. To control this disease, spray Sulphur 80% WP @800 g/acre or Hexaconazole 5% E.C @ 300 ml/acre.

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:

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 @200g/200lit of water.

**Approved by ADR cum Nodal Officer
GKMS-AMFU, RRTTS
Mahisapat, Dhenkanal**

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