



Gramin Krishi Mausam Sewa
INDIA METEOROLOGICAL DEPARTMENT
ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
Mahisapat, Dhenkanal- 759 013



Deepanjali Dugal,
Jr. Agrometeorologist

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(THURSDAY)

DISTRICT: DHENKANAL (Mid-central Table Land Zone)

Weather condition during last week (22.03.2024 to 28.03.2024)

Rainfall (mm)	5.4
Maximum Temperature (°C)	29.3-37.3
Minimum Temperature (°C)	16.6-24.6

Forecast (Up to 02.04.2024) 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)
29-03-2024	0	37	24	2	55	15	10	158
30-03-2024	0	37	24	1	65	16	11	160
31-03-2024	0	37	24	3	58	16	11	158
01-04-2024	2	38	25	5	55	16	9	289
02-04-2024	3	38	25	2	42	14	10	270

As per IMD forecast, dry weather is expected in Dhenkanal district during next three days and very light to light rainfall thereafter. The sky will remain mainly clear to generally cloudy. The wind speed is likely to remain 09-11 km/h. The maximum temperature is likely to remain between 37-38°C and minimum temperature between 24-25°C. The maximum RH will remain between 42% to 65% and minimum RH between 14% to 16% during next five days.

Agromet Advisory

General Advisory:

- ❖ Irrigate the crops at 7-10 days interval in the hot summer depending on the soil texture.
- ❖ Regular monitoring of the pests and diseases should be done in different standing crops.

PADDY (Summer):

To control blast disease in paddy, first drain out excess water from the paddy field. Remove the weeds and keep the field clean. Foliar spray of Trichoderma viridae should be done @ 4 g/lit of water. To manage this disease spray Hexaconazole 5 % SC @ 400-ml/acre or Azoxystrobin 18.2% + Difenconazole 11.4 % S.C @ 200ml/acre or Tebuconazole 50%+ Trifloxystrobin 25 % WG @ 80g/acre.

SUGARCANE:

To manage early shoot borer in Sugarcane, irrigate the crop frequently during hot months. Timely cutting the attacked shoot at or just below the ground level ensures destruction of most of the caterpillar. Collect and destroy the egg masses manually. In furrow, apply Fipronil 0.3% GR @ 10 kg/acre at the time of first earthing up. In case of severe infestation spray Fipronil 5 % SC @ 600ml/acre or Profenophos 50% EC @ 400ml/acre or Chlorantraniliprole 18.5 % SC @ 150 ml/acre by mixing it in 200 litre of water.

SESAME:

For summer sesame February to March month is best time for sowing purpose. Some improved variety of summer sesame are Prachi, Nirmala, Amrit, Smarak, OUAT Kalinga sesame - 1(Ashrit), Usha, Uma, kalika, Kanak etc. 2 kg seeds are required for sowing purpose for 1 acre area. Seed treatment should be done with Carbendazim @2 gm/kg of seed. Sow the seeds by mixing with same quantity of dust soil or sand at a row distance of 30 cm at a depth of 1 cm.

GROUNDNUT:

To manage stem rot in groundnut drench soil with Validamycin 3% I. @ 400-ml/acre or Cantan

COCONUT:

To manage black headed caterpillar in coconut, install Bracon card in the frond of the plant. Cut the affected leaves and burn it. To manage the pests chemically spray Chlorantraniliprole 18.5 % SC @ 4-ml/10-litre of water or Emamectin Benzoate 5 % SG @ 4-gram/10-litre of water.

BRINJAL:

To manage Brinjal shoot and fruit borer insect, install 20 nos. of pheromone trap having Leucin Lure per acre. During primary stage of pest infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @ 600 ml/acre by mixing in 200 litre of water. Spray Spinosad 45 % SC @ 75 ml/acre or Emamectin Benzoate 5% SG @ 80 g/ acre or Chlorantraniliprole 18.5 % SC @80ml/acre or Spinetoram 11.7 % SC @ 200ml /acre. Do not repeat the same insecticide. Use any of the above insecticides alternately at 15 days interval.

CUCURBITS:

Prevailing dry weather is congenial for Epilachna Beetle or Hadda Beetle in Cucurbits. To control this spray neem-based pesticide (Azadirachtin) 1500 PPM @ 3 ml/litre of water at early stage of infestation. Spray Chlorpyrifos 20 % EC @ 2 ml/litre of water or Profenophos 50 % EC @ 2 ml/litre of water.

OKRA:

To control YMV disease whitefly management should be done. Diseased plants should be rogued out to prevent further spread of the disease. To manage whitefly infestation at early stage of crop spray Neem based pesticide 1500 PPM @ 600 ml/acre by mixing in 200 litre of water. If the infestation is severe than go for chemical pesticide like Thiamethoxam @ 40-gram/acre or Acetamiprid @ 50 g /acre by mixing in 200 litre of water.

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

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