



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



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**Week No.08**

**Bulletin No.16**  
**Dt. 23.02.2024**  
**(FRIDAY)**

**DISTRICT: DHENKANAL (Mid-central Table Land Zone)**

**Weather condition during last week (17.02.2024 to 23.02.2024)**

<b>Rainfall (mm)</b>	<b>0.0</b>
<b>Maximum Temperature (°C)</b>	<b>33.4-36.7</b>
<b>Minimum Temperature (°C)</b>	<b>18.9-22.4</b>

**Forecast (Up to 28.02.2024) given by Met. Centre, IMD, Bhubaneswar**

<b>Date</b>	<b>Rainfall (mm)</b>	<b>T-MAX (oC )</b>	<b>T-MIN (oC )</b>	<b>Cloud Cover</b>	<b>Rh Max (%)</b>	<b>Rh Min (%)</b>	<b>Wind speed (kmph)</b>	<b>Wind Direction (deg)</b>
24-02-2024	2	35	20	4	88	27	10	70
25-02-2024	10	33	21	8	96	39	11	122
26-02-2024	2	32	22	5	81	40	11	114
27-02-2024	0	33	20	2	62	33	11	116
28-02-2024	0	34	19	0	59	25	8	116

As per IMD forecast, the Dhenkanal district is likely to receive very light to light rainfall for the next three days and dry weather thereafter with clear to overcast sky. The wind speed is likely to remain 08-11 km/h. The maximum temperature is likely to remain between 32-35°C and minimum temperature between 19-22°C. The maximum RH will remain between 59% to 96% and minimum RH between 25% to 40% for the next five days.

**Agromet Advisory**

**General Advisory:**

- ❖ In view of rainfall forecast withheld application of fertilizer, pesticide and irrigation activity for the next three days.
- ❖ February-March is the ideal time for sowing of Cowpea, Cluster bean, Pumpkin, Cucumber and Watermelon.
- ❖ Transplanting of vegetables should be done in afternoon hour to avoid high temperature.
- ❖ To manage early and late leaf blight in tomato, spray Mancozeb 75% WP @ 600 gram/acre or Zineb 75% WP @ 500gram/acre at 7 days interval.

**PADDY (Summer):**

Due to rise in temperature there are chances of increase in stem borer infestation in paddy crop. To manage stem borer in paddy, broadcast granular insecticide Chlorantraniliprole 0.4 % GR @ 4 kg/acre or Cartap hydrochloride 4G @ 8 kg acre by mixing it with sand at 1:1 ratio or spray Chlorantraniliprole 18.5 % SC @ 60 ml/acre.

**RED GRAM:**

To manage pod borer pests at early stage of infestation spray neem-based pesticide (Neem Oil 1500 PPM) @ 600ml/acre by mixing in 200litre of water. After 7-10 days, spray Bacillus thuringensis @ 400g/acre by mixing in 200litre of water. For chemical control, spray Chlorpyrifos 50 % + Cypermethrin 5%EC @ 400ml/acre or Profenophos 50%EC @ 400 ml/acre or Emamectin benzoate 5%SG @ 90g/acre by mixing in 200litre of water.

**GROUNDNUT:**

To manage Thrips during primary stage of pest infestation spray Neem Based Pesticide (Azadirachtin) 1500 PPM @ 600 ml/acre. To manage chemically spray Thiamethoxam 25% W.G

**COWPEA:**

To manage sucking pest at early stage of infestation spray neem-based pesticide (Neem Oil 1500 PPM @600ml/acre by mixing it in 200-litre of water. To manage these sucking pests chemically spray Thiamethoxam 25 % WG @ 40g/acre or Acetamiprid 20 % SP @ 50g/acre or Fenobucarb @ 400-ml/acre or Tolfenpyrad 15 % EC @ 400ml/acre by mixing it in 200-litre of water.

**CUCURBITS:**

To manage Epilachna Beetle, spray neem-based pesticide (Neem Oil 1500 PPM) Azadiractin @ 600 ml/acre of water at early stage of infestation. To manage Epilachna Beetle chemically spray Chlorpyriphos 20 % EC @ 400ml/acre or Profenophos 50 % EC @400ml/acre by mixing with 200 litre of water.

**POTATO:**

The main crop is ready for harvest within 75-85 days of planting depending upon the soil type and variety sown. The crop is ready to harvest when majority of the leaves turn yellowish brown. Irrigation should be stopped 15 days before harvesting. Keep the harvested tubers in shed for 48 hours. All damaged and rotten tubers should be removed.

**MANGO:**

Prevailing weather conditions are congenial for Mealy bug incidence in mango. To control mealy bug, Spray Dimethoate 30 EC @ 2 ml/liter of water during February- March as per requirements.

**WATERMELON:**

Present weather condition favourable for watermelon cultivation. Use improved varieties like Sugar baby, Arka manik, Lalsona and hybrid varieties like Madhuri, Maya, Sweet Ruby, Black magic and Sugar pack. For 1 acre planting 400-800 gram of seed is required. Treat the seed with carbendazim @ 1g / kg of seed.

**FISHERY:**

Small white rash appear on the body of fish and feels rough to hand are the symptoms of white spot disease in fish. Excessive mucus secret from fish body. To treat this disease in fish bath affected fish for 5 minutes in the 200 litre water which is mix with 500gram of salt, then release to the pond. This procedure continues for 7-10 days.

Approved by ADR cum Nodal Officer  
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