



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



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**Week No.49**

**Bulletin No.98**  
**Dt. 08.12.2023**  
**(FRIDAY)**

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

**Weather condition during last week (02.12.2023 to 08.12.2023)**

<b>Rainfall (mm)</b>	<b>18.6</b>
<b>Maximum Temperature (°C)</b>	<b>21.2-32.2</b>
<b>Minimum Temperature (°C)</b>	<b>18.2-22.7</b>

**Forecast (Up to 13.12.2023) 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)
09-12-2023	2	26	16	6	92	59	4	116
10-12-2023	0	28	15	4	85	47	5	72
11-12-2023	0	29	14	3	80	45	5	150
12-12-2023	0	29	14	2	67	34	5	105
13-12-2023	0	29	14	2	65	30	5	158

As per IMD forecast, the Dhenkanal district is likely to receive very light rainfall on Tomorrow and then dry weather for the next four days with mainly clear to generally cloudy sky. The wind speed is likely to remain 04-05 km/h. The maximum temperature is likely to remain between 26-29°C and minimum temperature between 14-16°C. The maximum RH will remain between 65% to 92% and minimum RH between 30% to 59% for the next five days.

**Agromet Advisory**

- ❖ Taking the advantage of available soil moisture due to recent rain, sowing of the Rabi crop should be started to get optimum yield.
  - ❖ Due to recent rainfall there is a chance of occurrence of Thrip, Mites and Aphids in Brinjal, Tomato, Chilli, Colecrops, for control spray imidachloprid 0.3 ml/liter or fipronil 2 ml/liter of water.
  - ❖ Drain out excess water from the field of potato and onion.
- PADDY:** Field drying of harvested paddy should be strictly prohibited. Rather the harvested unthreshed crop should be stacked and covered till clear weather. After receding of rain water, tie the panicles of paddy in bundles and keep straight.
- BLACKGRAM AND GREENGRAM:** 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:** There are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre. You can also use Verticillium lecanii bio pesticide @ 5 g per lit of water. Spray Neem based pesticide 1500 PPM @ 600-ml/acre by mixing in 200-litre of water. If the infestation is severe than spray chemical pesticide Thiamethoxam 25 % WG @ 50-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200- liter of water.
- GROUNDNUT:** There are chances Leaf Miner infestation in groundnut crop. To control this spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.
- ONION:** To prevent Damping off disease in nursery, drench the nursery bed with Carbendazim @ 2 g/litre of water at 15 days interval. Seedlings of 8-weeks old are planted in the main field.
- CABBAGE & CAULIFLOWER:** To manage Diamond Back Moth pest install 6-8 no.s of light traps per acre. During primary stage of pest infestation spray neembased pesticide (Azadirachtin) 300 PPM @ 1-litre/acre by mixing in 200-litre of water. Spray Tolfenpyrad 15 % EC @ 400-ml/acre or Flubendiamide 20 % WG @ 20-gram/acre or Emamectin Benzoate 5 % SG @ @80-gram/acre by mixing in 200-litre of water.
- BRINJAL:** To control leaf eating caterpillar and fruit borer in Brinjal, spray 80 g Emamectin benzoate or 80 ml Spinosad per 200 liter of water.
- CHILLI:** To control aphids and thrips in chilli during primary stage of pest infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @ 600-ml/acre by mixing in 200-litre of water. Spray Thiamethoxam 25 % WG @ 40 g/acre or Acetamiprid 20% S.P. @ 50 g /acre or Profenophos 40 % + Fenpyroximate 2.5 % EC @ 400-ml/acre.
- FISHERIES:** During winters, there is a possibility of “EUS” disease in fish. Farmers are advised to apply Cifax @ 400 ml mixed with 40 litre of water in one acre pond area as a preventive measure. The fishes should be fed daily with oil cake bran mixture at the rate of 2-3 % of their total biomass.

**Approved by Associate Director of Research**  
**RRTTS, Mahisapat, Dhenkanal**

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