



**GRAMIN KRISHI MAUSAM SEWA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
**NORTH EASTERN GHAT ZONE**  
**RRTTS, G. UDAYAGIRI, OUAT, KANDHAMAL, ODISHA-762100**  
**MULTIMODEL ENSEMBLE BASED DISTRICT LEVEL WEATHER FORECAST**  
**FOR THE STATE: ODISHA**  
**ISSUED ON: 02.01.2024 VALID TILL 08:30 IST OF THE NEXT 5 DAYS**

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**Week No. 01**

**Dt: 02.01.2024**  
**Bulletin No.01**

**Forecast (up to 07.01.2024)**  
**Given by Met. Center IMD, Bhubaneswar**

**DISTRICT: KANDHAMAL** – As per the IMD forecast, the district is likely to receive no rainfall in next five days with a clear to partly cloudy sky. The wind is likely to remain within 5-6 km/hr. The maximum temperature and minimum temperature will likely to remain between 24-25°C and 10-13°C respectively. The Maximum Relative Humidity and Minimum Relative Humidity will likely to remain between 65-83% and 21-25% respectively for next five days.

<b>DISTRICT</b>	<b>Date</b>	<b>Rainfall (mm)</b>	<b>T-MAX (C)</b>	<b>T-MIN (C)</b>	<b>Cloud Cover</b>	<b>Rh Max (%)</b>	<b>Rh Min (%)</b>	<b>Wind speed (kmph)</b>	<b>Wind Direction (deg)</b>
<b>PHULBANI</b>	03-01-2024	0	25	10	0	83	25	5	152
	04-01-2024	0	25	11	0	69	25	6	158
	05-01-2024	0	24	12	0	69	21	6	180
	06-01-2024	0	24	13	3	65	25	6	161
	07-01-2024	0	25	13	4	65	24	6	156

**Agromet Advisory**

- To curb infestation of the stored grain insect pest in **rice**, take up fumigation by using Aluminum phosphide (do not use in dwelling houses) tablets @ of 3 tablets/ ton grain (total 9 g of tablets) in fairly air tight containers or by covering with thick tarpaulin leaving no gaps.
- To manage whitefly infestation in **green gram** at the early stage of crop spray Neem based pesticide 1500 PPM @ 600-ml/acre by mixing in 200-litre of water.
- Use neem oil, neem pedia, neem seed kernel in 20-25 days interval@100ml/15 liter of water to protect the vegetable, flowering crops from a various group of diseases and pests.
- If Borax was not applied during transplanting of seedlings of **Cauliflower**, then spray Borax @ 2.5-gram/liter or Folibor /Solubor @ 1.5 gram/liter.
- The **fishes** should be fed daily with oil cake bran mixture at the rate of 2-3 % of their total biomass.
- During primary stage of shoot and fruit borer infestation in **Brinjal** spray neem-based pesticide 1500 PPM @ 600-ml/acre by mixing in 200-litre of water.

### **RICE:**

- To curb infestation of the stored grain insect pest, take up fumigation by using Aluminum phosphide (do not use in dwelling houses) tablets @ of 3 tablets/ ton grain (total 9 g of tablets) in fairly air tight containers or by covering with thick tarpaulin leaving no gaps.
- The tablets should be wrapped in cotton pouches before placing them in the stacks. All the corners of plastic cover should be plastered with 6-inch-thick layer of mud/ adhesive tapes to prevent leakage of gas.

### **Green gram:**

- 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 @ 40gram/acre or Acetamiprid @ 50gram/acre by mixing in 200-litre of water.

### **Arhar:**

- To control Plume Moth infestation, apply the followings.
- Use bird perches @50/hacter
- Use Azadirachtin 0.03% WSP 2500-5000 g/ha or Dimethoate 30 EC 1237 g/ha or Emamectin Benzoate 5% SG 220 g/ha.
- Or use NSKE 5% twice.

### **Brinjal –**

- In the early stages of brinjal, the larvae of brinjal shoot and fruit borer burrows into the petioles and tender shoots which results in withering of terminal shoots, drooping of leaves and shedding of flower buds.
- During primary stage of pest infestation spray neem-based pesticide 1500 PPM @ 600-ml/acre by mixing in 200-litre of water.



Brinjal shoot borer

### **CAULIFLOWER –**

- If Borax was not applied during transplanting of seedlings than spray Borax @ 2.5-gram/liter or Folibor /Solubor @ 1.5 gram/liter.
- Spraying of Boron micronutrient should be done after two weeks of transplanting and two weeks before curd formation.

**Fisheries:**

- During winters, there is a possibility of “EUS” disease in fish. Farmers are advised to apply Cifax @ 400 ml mixed with 40 liter 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.

**For better agriculture benefits use, OUAT KALINGA products (Seedling, Sampling & QPM, Tissue Culture Plants, Fruits and Vegetables, Value added products, Fingerlings/Yearlings, Poultry chicks, Breeds, Mushroom and Spawns, Bio-fertilizers, Bio-pesticides, Vermi & Vermi Compost).**

**ASSOCIATE DIRECTOR OF RESEARCH & NODAL OFFICER**