



**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: 29.12.2023 VALID TILL 08:30 IST OF THE NEXT 5 DAYS**

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**Week No. 52**

**Dt: 29.12.2023**  
**Bulletin No.104**

**Forecast (up to 03.01.2024)**  
**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 mainly clear sky. The wind is likely to remain within 5 km/hr. The maximum temperature and minimum temperature will likely to remain between 26°C and 11-12°C respectively. The Maximum Relative Humidity and Minimum Relative Humidity will likely to remain between 66-86% and 24-31% 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>	30-12-2023	0	26	11	2	86	31	5	158
	31-12-2023	0	26	11	1	80	28	5	160
	01-01-2024	0	26	12	0	75	26	5	180
	02-01-2024	0	26	12	0	72	25	5	191
	03-01-2024	0	26	12	3	66	24	5	191

**Agromet Advisory**

- 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.
- Use Azadirachtin 0.03% WSP 2500-5000 g/ha or Dimethoate 30 EC 1237 g/ha or Emamectin Benzoate 5% SG 220 g/ha to control plume moth infestation.
- Spray Boron and Aluminum in broccoli during the head emergence stage to increase the quality of fruit and selling value.
- Spraying of Boron micronutrient should be done after two weeks of transplanting and two weeks before curd formation.
- During cloudy weather condition powdery mildew may be seen, then apply Sulfex@3gm/lit to effectively control the disease.
- The fishes should be fed daily with oil cake bran mixture at the rate of 2-3 % of their total biomass.

### **Cabbage:**

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

### **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.

### **Broccoli –**

- Spray Boron and Aluminum during the head emergence stage to increase the quality of fruit and selling value.

### **Marigold –**

- After 20 days of transplanting, remove the apical buds to get more lateral branches.
- During cloudy weather condition powdery mildew may be seen, then apply Sulfex@3gm/lt to effectively control the disease.

### **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.

### **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**