



**Gramin Krishi Mausam Sewa**  
**India Meteorological Department**  
**Odisha University of Agriculture and Technology**  
**Bhubaneswar -751 003**

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Nodal Officer

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**District – Khordha (East and South-Eastern Coastal Plain Agroclimatic Zone)**

The mean maximum daily temperature was 28.57°C and mean minimum daily temperature was 16.42°C of the Khordha district during the last week. The district received no rainfall during the last week. Harvesting of Long duration paddy is going to be completed. Harvesting and planting of Sugarcane is under progress. Sowing of Rabi crops like Cereals, Pulses, Oilseeds, Vegetables and Spices are under progress. Progress of sowing is better as compared to last Rabi season. Overall crop condition is Normal.

**Forecast (Up to 03.01.2024)**

**Given by Met. Centre, IMD, Bhubaneswar**

**DISTRICT: KHORDHA** – As per the forecast received from IMD, dry weather may prevail over the district of Khordha for next five days. The sky condition may remain clear to partly cloudy for the next five days. The wind may flow North Easterly to Southerly with speed of 06-07 km/h. The daily maximum and minimum temperature are likely to remain 29°C and 17-18°C respectively for next five days.

DISTRICT	KHORDHA				
Date	30/12/2023	31/12/2023	01/01/2024	02/01/2024	03/01/2024
Rainfall (mm)	0	0	0	0	0
T-MAX (C )	29	29	29	29	29
T-MIN (C )	17	17	17	17	18
Cloud Cover	1	1	1	0	3
Rh Max (%)	84	80	79	79	82
Rh Min (%)	37	35	33	34	34
Wind speed (kmph)	6	6	6	6	7
Wind Direction (deg)	150	158	292	158	160

For further information, contact the Met. Centre, Aerodrom Area, IMD, Bhubaneswar, Tel. # 0674-2596116.

**Agromet Advisory**

- ❖ Apply light irrigation preferably bore well water to the paddy nursery area in the evening to maintain the soil temperature favourable for seedling growth.
- ❖ Continue sowing operation of summer paddy and use polythene to cover the paddy nursery at night-time.
- ❖ During cool winter days to protect the paddy nursery, apply a thin layer of well decomposed FYM in wet bed to keep the bed relatively warm.
- ❖ Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress.
- ❖ Cover the recently planted cole crops with paper pockets during night time to avoid low temperature.
- ❖ Sunflower crop is at 25-30 days stage. Go for hoeing and weeding and thinning and apply N -fertilizer.
- ❖ For better tuber growth in potato, soil temperature below 30°C should be maintained. Therefore farmers are advised to irrigate the field.
- ❖ Due to low night temperature and fog condition, there will be chance of infestation of sucking pests, leaf blight, powdery mildew in the Rabi crops and vegetables. Monitor the crops and vegetables, if symptoms are noticed, undertake appropriate plant protection measures.
- ❖ In winter during cold hours farmers should keep doors, windows and open spaces in cow sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air.
- ❖ For maintaining the heat in the poultry shed during winter season, install heaters in the shed.

**PADDY: Nursery Management-**

Prepare the wet nursery seed beds for paddy. Irrigate the nursery field and puddle it 2-3 times followed by planking. Apply 200 kg of FYM, 4 kg of DAP, 2.5 kg of MOP and 1 kg of Zinc sulphate during last puddling. Divide nursery area into smaller plots of convenient length. Irrigation channels of size 30 cm in width should be made along the beds for irrigation/drainage purpose. Sprouted Seeds should be sown @ 40-50 g / m<sup>2</sup> area of seed bed by line sowing with 5 cm gap between each line.

**Seed treatment-**Treat the paddy seeds with Carbendazim 50% W.P @ 1.5 g/1kg of seeds or Carboxin 37.5% + Thiram 37.5 % @ 3 g /1 kg of seeds before sowing in the nursery.

**BLACKGRAM AND GREENGRAM: Powdery mildew**

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.

**GROUNDNUT: Leaf Miner** - 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.

**TOMATO: Fruit borer** -First collect and destroy the affected fruits and grown up larvae. Set up 20 nos. of pheromone trap having Helilure per acre. Go for spraying of insecticide if there are 10% fruits infested with borer. Spray Chlorantraniliprole 18.5% S.C @ 80 ml/acre or Flubendiamide 39.5 % M/M S.C @ 40 ml/acre or Indoxacarb 14.5% S.C. @ 200 ml/acre. Use any of the above insecticides alternately at 15 days interval.

**MARIGOLD: Leaf eating caterpillar-** To manage the leaf eating caterpillar biologically use Pheromone trap Spodolure @ 6/acre or Installight trap @ 5 nos. Apply Bacillus thuringiensis @ 500 g/acre or Beauveria bassiana @ 1kg/acre. For chemical control, spray Chlorpyrifos 50 % + Cypermethrin 5 % E.C @ 400-ml/acre or Lambda Cyhalothrin 5% EC @ 300 ml/acre during afternoon hours by mixing with 200 litres of water.

**ANIMAL HUSBANDRY:** PPR disease also known as ‘Goat Plague’ is common during winter. This viral disease that affects goats and sheep which causes sudden fever, pneumonia and coughing. Affected animals appear restless, have a dull coat, dry muzzle and depressed appetite. Pregnant animals may abort. Vaccinate the animals.

**PRINCIPAL NODAL OFFICER**

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