



**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 40.4°C and mean minimum daily temperature was 25.6°C of the Khordha district during the last week. The district received no rainfall during the last week. Transplanting of summer paddy is completed. Sowing of summer pulses, oilseed and vegetables are also under progress. Harvesting of rabi crops like Mustard, Groundnut, Mung, Biri and Kulthi are completed. Crop coverage till date is 99.6 % of the total programme area. Overall crop condition is Normal.

**Forecast (Up to 24.04.2024)**  
**Given by Met. Centre, IMD, Bhubaneswar**

**DISTRICT: KHORDHA** – As per the forecast received from IMD, the district is likely to receive very light to light rainfall for the next five days except dry weather on Saturday and Sunday. The sky condition may remain clear to generally cloudy for the next five days. In the next 5 days, the wind speed will remain within 12-22 km/h. The daily maximum and minimum temperature are likely to remain 38-43°C and 25-28°C respectively for next five days.

DISTRICT	KHORDHA				
Date	20/04/2024	21/04/2024	22/04/2024	23/04/2024	24/04/2024
Rainfall (mm)	0	0	2	5	5
T-MAX (C )	43	42	40	39	38
T-MIN (C )	27	28	27	26	25
Cloud Cover	0	1	4	6	7
Rh Max (%)	82	83	79	52	67
Rh Min (%)	37	42	39	28	24
Wind speed (kmph)	19	22	19	12	15
Wind Direction (deg)	201	201	199	243	206

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

**Agromet Advisory**

- ❖ Withheld sowing, spraying of pesticide and irrigation activities for some days.
- ❖ Harvest the mature vegetables immediately.
- ❖ Cover the harvested produce with polythene sheet.
- ❖ Resort to drip and sprinkler irrigation practices wherever possible in the event of limited water availability particularly for commercial crops including fruit orchards and widely spaced vegetables. Sprinkler irrigation brings down the heat effect. For row crops alternate rows may be irrigated.
- ❖ Apply mulches to maintain high moisture status in the soil. Use straw, dry leaves and saw dust for mulching.
- ❖ Mulch coconut leaves 1.8 m around a coconut tree to reduce water loss.
- ❖ Mulching of leaves around newly planted cashewnut plants to conserve moisture. Irrigate 20 to 25 lit per plant.
- ❖ Use temporary shade net to protect the fruit plants from high temperature.
- ❖ The increasing day temperature may cause bacterial wilt disease in tomato and brinjal. Spray 1gm Streptocycline in 10 litre water in the root zone.

**PADDY (Summer): Neck Blast –**

High variation of temperature between day and night leads to infestation of Neck Blast disease. To control blast disease spray Hexaconazole 5 % SC @ 400 ml/acre or Azoxystrobin 18.2% + Difenoconazole 11.4 % S.C @ 200ml/acre or Tebuconazole 50%+ Trifloxystrobin 25 % WG @ 80 gram/acre.

**Panicle Mites-**

To control panicle mite in paddy spray Diafenthuran @ 400 g/acre or Spiromesifen @ 200 ml/ac or Fenpyroximate @ 400 ml/ac with 200 litres of water.

**MAIZE: Fall army worm**

Prolonged dry spell followed by rain may increase the infestation of fall army worm in maize. To control this spray 80 gm Emamectin benzoate 5% SG or 80 ml Chlorantraniliprole 18.5% AC in 200 liter water per acre.

**SUGARCANE: Early shoot borer** - In case of early shoot borer infestation in sugarcane crop, collect and destroy the egg masses manually. In furrow, apply Fipronil 0.3% GR @ 10 kg/acre at the time of first earthing up. In case of severe infestation spray Fipronil 5 % SC @ 600 ml/acre or Profenophos 50% EC @ 400ml/acre by mixing it in 200 litre of water.

**CUCURBITS:** There are chances of infestation of Epilachna Beetle/Hadda beetle in cucurbits crop. To manage Epilachna Beetle in cucurbits shake plants to dislodge grubs, pupae, and adults in a pail of kerosene mixed water early in the morning or collect them mechanically and destroy. Spray neem-based pesticide 1500 PPM @ 3 ml/litre of water at early stage of infestation. Spray Chlorpyrifos 20 % EC @ 2 ml/litre of water or Profenophos 50 % EC @ 2ml/litre of water.

**CHILLI:** There are chances of infestation of sucking pest like aphids and thrips in chilli crop. To manage aphids and thrips in chilli during primary stage of pest infestation spray neem-based pesticide 1500 PPM @ 600 ml/acre by mixing in 200 litre of water. To manage these pests chemically spray Thiamethoxam 25 % WG @ 40g/acre Acetamiprid 20% S.P. @ 50g/acre or Profenophos 40 % + Fenpyroximate 2.5 % EC @ 400 ml/acre.

**ANIMAL HUSBANDRY:** Due to severe heat there is reduction of growth rate and milk production in animals and if the treatment is not provided in time then the animal may die. During scorching heat the animals should be tied under tree shed. If the roof the animal shed is made up of tin or asbestos, then put straw over it and sprinkle water on it from time to time. Cover the windows and doors of the shed with wet gunny bag and remove it after sun set. Do white washing over walls and the roof of the house. If you are keeping high producers then install fans, water sprinklers and other heat reducing instruments. If the animal is succumbed due to heat stress then apply ice and wet clothes over its head and call a Veterinarian as soon as possible.

**PRINCIPAL NODAL OFFICER**

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