



# Gramin Krishi Mausam Sewa

## India Meteorological Department

### Odisha University of Agriculture and Technology

#### Bhubaneswar -751 003

**Dr.T.R Mohanty**  
Nodal Officer

**Week No.04**

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

The mean maximum daily temperature was 27.1°C and mean minimum daily temperature was 17.7°C of the Khordha district during the last week. The district received 7.8mm of rainfall during the last week. Raising of nursery bed and land preparation for rabi paddy is going on. Harvesting and planting of Sugarcane is under progress. Sowing of Rabi crops like Cereals, Pulses, Oilseeds, Vegetables and Spices are under progress. Crop coverage up to the end of this week is 60%. Overall crop condition is Normal.

**Forecast (Up to 29.01.2024)**

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

**DISTRICT: KHORDHA** – As per the forecast received from IMD, the district Khordha is likely to receive light rainfall on Wednesday & Thursday and dry weather on other days. The sky condition may remain mainly clear to generally cloudy for the next five days. In the next 5 days, the wind speed will remain within 08-15 km/h. The daily maximum and minimum temperature are likely to remain 23-28°C and 15-16°C respectively for next five days.

DISTRICT	KHORDHA				
Date	25/01/2024	26/01/2024	27/01/2024	28/01/2024	29/01/2024
Rainfall (mm)	8	5	0	0	0
T-MAX (C )	23	25	28	28	28
T-MIN (C )	16	16	15	15	15
Cloud Cover	6	7	4	2	1
Rh Max (%)	89	93	87	85	82
Rh Min (%)	76	54	43	45	40
Wind speed (kmph)	13	9	6	7	6
Wind Direction (deg)	58	45	90	124	158

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

#### **Agromet Advisory**

- ❖ Stop application of fertilizer and pesticides for the time being.
- ❖ Harvest the mature produce. Make provision for the drainage of rainwater from the vegetable crops. Provide staking to tomato plants.
- ❖ Cover the vegetable seedlings with polythene to protect from rain and make provision for drainage.
  - ❖ To manage wilt and rot disease in vegetables, drench the root zone with solution of 1.5g Streptocycline and 20g Metalaxyl 8% + Mancozeb 64% WP mixed in 10 liter of water.
- ❖ Farmers are advised to prepare nursery bed and 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.
- ❖ Standing water to a depth of 2-3 cm should be maintained at least for 2-3 days before uprooting of seedlings.
  - ❖ Use pre-emergence herbicides like Atrazine 50 % WP @ 800-gram/acre or Metribuzin 70% Wp @ 400-500-gram/acre within 3 days after planting to control weeds in Sugarcane after rainfall recedes.
- ❖ Sunflower crop is at 25-30 days stage. Go for hoeing and weeding and thinning and apply N –fertilizer after rainfall recedes.

#### **PADDY (Summer): 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.

**SUGARCANE:** To prevent red rot disease, resistant varieties like CO-7219, CO-8371, CO-8013, CO-8014, CO-6907, CO-7601 and CO- 7602 should be selected. Soak the setts for 30 minutes in a solution of 100 lit of water containing 150 g of carbendazim 50 WP, 200- ml of chlorpyrifos 20 % EC and 1 kg urea. Do not add chlorpyrifos if soil drenching is adopted.

#### **COLE CROPS: Dimond Back Moth and Head Borer management**

There are chances of infestation of Dimond Back Moth and Head Borer in Cauliflower and Cabbage crops. Collect and destroy the caterpillars and egg masses in the early stages of pest attack. Spray Neem based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre by mixing in 200-litre of water. To manage these pests chemically spray Tolfeprad 15 % EC @ 400-ml/acre or Flubendiamide 20 % WG @ 20-gram/acre or Chlorfenapyr 10 % SC @ 400-ml/acre or Spinosad 45 % SC @ 75-ml/acre by mixing in 200- litre of water after rainfall recedes.

**POTATO:** Go for hoeing and hand weeding in Potato after 3 weeks of first earthing up. Apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 400 ml/acre for control of cut worm and leaf eating insect after rainfall recedes.

#### **BRINJAL:** Whitefly

Use yellow sticky traps @ 8-10/acre to attract and kill White fly in Brinjal. During primary stage of pest infestation spray neembased pesticide (Azadirachtin) 1500 PPM @ 600-ml/acre by mixing in 200-litre of water. To control this pest chemically spray Thiamethoxam 25 % WG @ 40 g/acre or Pyriproxifen 10% EC @ 200 ml/acre or Spiromesifen 22.9% SC @ 250 ml/acre by mixing in 200 litre of water after rainfall recedes.

**ROSE:** To control thrips in rose, spray Fenpyroximate 5% EC @ 2 ml or Abamectin @1 ml per litre of water after rainfall recedes.

#### **PRINCIPAL NODAL OFFICER**

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