



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

No. – 93 (Eng. Bulletin)
Dt. -27.01.2024

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

The mean maximum daily temperature was 25.3°C and mean minimum daily temperature was 16.1°C of the Khordha district during the last week. The district received 17.4 mm 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 01.02.2024)
Given by Met. Centre, IMD, Bhubaneswar

DISTRICT: KHORDHA – As per the forecast received from IMD, dry weather may prevail over the district the district of Khordha for next five days. The sky condition may remain mainly clear for the next five days. In the next 5 days, the wind speed will remain within 06-14 km/h. The daily maximum and minimum temperature are likely to remain 27-29°C and 14-17°C respectively for next five days.

DISTRICT	KHORDHA				
Date	28/01/2024	29/01/2024	30/01/2024	31/01/2024	01/02/2024
Rainfall (mm)	0	0	0	0	0
T-MAX (C)	28	28	29	28	27
T-MIN (C)	14	15	16	17	17
Cloud Cover	1	1	2	2	2
Rh Max (%)	78	75	80	80	85
Rh Min (%)	28	35	37	42	46
Wind speed (kmph)	6	7	10	12	14
Wind Direction (deg)	115	158	193	202	202

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

Agromet Advisory

- ❖ 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.
- ❖ Mulch vegetable seedling with straw or other mulching material to avoid cold injury.
- ❖ Cover the recently planted cole crops with paper pockets during night time to prevent from low temperature stress.
- ❖ Standing water to a depth of 2-3 cm should be maintained at least for 2-3 days before uprooting of seedlings.
- ❖ It is optimum time for sesame sowing. Grow improved varieties like Uma, Usha, Kalika, Nirmala, Prachi and Amrit. Use 2 to 2.5 kg seeds/ acre. To control seedling rot, seeds should be treated with 2 g Bavistin or 3 g Thiram/kg of seeds. Apply 8 cartload of FYM/acre during final land preparation. Apply 50% N and all P, K and S of recommended dose. Go for line sowing Because of small seed size, the seeds should be mixed with dry sand or soil or saw dust for uniform sowing and less seed requirement.
- ❖ 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.
- ❖ 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.

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 / m² 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 Tolfenpyrad 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.

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.

CHILLI: For controlling mites in chilli, spray Ethion 50 % EC @ 600 ml/acre or Spiromesifen 22.9 % SC @ 200 ml/acre or Propargite 57 % EC @ 600 ml/acre.

POULTRY: In view of prevailing low temperature, for maintaining heat in the poultry shed use electric bulb or install heaters in the shed.

PRINCIPAL NODAL OFFICER

For better agricultural benefits use, **OUAT KALINGA** products (Seedlings, Saplings & QPM, Tissue Culture Plants, Fruits & Vegetables, Value Added Products, Fingerlings/ Yearlings, Poultry chicks, Breeds, Mushroom & Spawn, Bio-Fertilizer, Bio-Pesticides, Vermi & VermiCompost and Farm Implements).

IMD Weather forecast and Agro-meteorological advisory of Odisha location is now available on Meghdoot mobile app in English and Odia language.
Download: (Android: <https://play.google.com/store/apps/details?id=com.aas.meghdoot>) (iOS: <https://apps.apple.com/in/app/meghdoot/id1474048155>)