



# Gramin Krishi Mausam Sewa

## India Meteorological Department

### Odisha University of Agriculture and Technology

#### Bhubaneswar -751 003

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Nodal Officer

**Week No.14**

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

The mean maximum daily temperature was 37.0°C and mean minimum daily temperature was 25.8°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 % of the total programme area. Overall crop condition is Normal.

**Forecast (Up to 10.04.2024)**  
**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 till Wednesday 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 08-16 km/h. The daily maximum and minimum temperature are likely to remain 36-44°C and 24-28°C respectively for next five days.

DISTRICT	KHORDHA				
Date	06/04/2024	07/04/2024	08/04/2024	09/04/2024	10/04/2024
Rainfall (mm)	0	0	15	10	2
T-MAX (C )	44	42	37	36	36
T-MIN (C )	27	28	25	25	24
Cloud Cover	0	1	2	6	6
Rh Max (%)	61	68	59	55	65
Rh Min (%)	22	21	19	26	27
Wind speed (kmph)	16	16	9	12	8
Wind Direction (deg)	225	208	195	326	180

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

#### Agromet Advisory

- ❖ Apply sprinkler irrigation to bring down the heat effect. Conserve upto 50% water by irrigating alternate rows.
- ❖ The high temperature increases the water requirement of maize crop. Irrigate the crop. Never allow water to remain stagnant for more than six hour in the field.
- ❖ Spread polythene in irrigation channels to save water wastage during irrigation in sandy and loamy soil.
- ❖ In paddy crop, Panicle initiation, Panicle emergence, flowering and milking stages are the critical stages. In these stages water scarcity or deficit of water causes comparatively greater reduction in yields. Hence, water deficit during these stages should be avoided.
- ❖ Cover the rows with dry leaves in Sugarcane. Top-dress with 4% potassium to protect crop from water scarcity during summer.
- ❖ High temperature in day hours may lead to wilting in tomato and brinjal. Apply 1g Streptocyclin in 10 liter water in root zone.
- ❖ Mulch coconut leaves 1.8 m around a coconut tree to reduce water loss.
- ❖ Cover with paper caps on the newly planted vegetable seedlings during day time.
- ❖ In shallow ponds, harvest fingerlings, if water temperature rises to 30 °C. Ensure enough water depth before introducing fingerlings in a pond.

#### General Advisory

**PADDY (Summer): Yellow stem borer management-** Due to rise in temperature there are chances of increase in stem borer infestation in paddy crop. To manage Yellow Stem Borer in paddy spray Fipronil 5%SC @ 400ml/acre or Flubendiamide 20% WG @ 50g/acre or Chlorantranilprole 18.5% SC @ 60ml /acre or Chromafenozide 80%WP @ 50g/acre.

**Blast Disease Management** - To manage blast disease spray Hexaconazole 5 % SC @ 400-ml/acre or Azoxystrobin 18.2% + Difenconazole 11.4 % S.C @ 200-ml/acre or Tebuconazole 50%+ Trifloxystrobin 25 % WG @ 80-gram/acre.

#### BLACK GRAM & GREEN GRAM: Tobacco Caterpillar Management

Check the migration of caterpillars by dusting with Chlorpyrifos 1.5 % D @ 10 kg around the field. For chemical control spray Novaluron 5.25 %+ Indoxacarb 4.25 % @ 400-ml/acre or Lambda Cyhalothrin 4.9 CS @ 300 ml or Flubendiamide 20 % WG @ 120 gram. For spraying of insecticides 200 litre of water per acre is required.

**SUGARCANE:Early Shoot Borer :**To manage early shoot borer in Sugarcane, irrigate the crop frequently during hot months. Timely cutting the attacked shoot at or just below the ground level ensures destruction of most of the caterpillar. Collect and destroy the egg masses manually. In furrow, apply Fipronil 0.3% GR @ 10 kg/acre at the time of first earthing up.

**CHILLI:** For long term storage of chilli, first pick the ripened chilli fruits from plants and shade dry for 3 to 4 days. In this process we can get uniform colour fruits. Again, sundry the fruits for 3 to 4 days and reduce 10% of moisture content from it. Store it in a gunny bag without any contact to wall and floor.

For uniform colour and more selling of the chilli fruits mix one quintal chilli with 25 liter of water, 625gram potassium carbonate, 250ml refine groundnut oil, 25gram babul gum and 0.25gm butylated hydroxy anisole and keeps it for 5 min. After removal of water keep it in a clean and well-ventilated room.

**OKRA: Whitefly Infestation:** To prevent whitefly infestation in okra seeds should be treated with Imidacloprid @ 7-gram/kg of seeds before sowing. Install 8-10 nos of yellow sticky traps starting from 2-3 leaf stage of the crop.

**POINTED GOURD:** Pointed gourd is at flowering and fruiting stage. Don't go for weeding. Grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

#### BANANA: Sigatoka Leafspot management

To manage the disease chemically spray carbendazim @10gram/10 litre of water or chlorothalonil @30gm/10 litre of water for two to three times in one month interval.

**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).

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