



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

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Nodal Officer

Week No.13

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

The mean maximum daily temperature was 34.7°C and mean minimum daily temperature was 23.3°C of the Khordha district during the last week. The district received 0.6 mm 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 02.04.2024)
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 mainly clear for the next five days. In the next 5 days, the wind speed will remain within 16-22 km/h. The daily maximum and minimum temperature are likely to remain 37-39°C and 25-27°C respectively for next five days.

DISTRICT	KHORDHA				
Date	29/03/2024	30/03/2024	31/03/2024	01/04/2024	02/04/2024
Rainfall (mm)	0	0	0	0	0
T-MAX (C)	37	37	38	38	39
T-MIN (C)	25	26	26	27	26
Cloud Cover	1	0	2	2	1
Rh Max (%)	66	72	63	58	57
Rh Min (%)	30	37	36	32	30
Wind speed (kmph)	19	22	22	16	16
Wind Direction (deg)	202	202	201	207	225

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.
- ❖ Spread polythene in irrigation channels to save water wastage during irrigation in sandy and loamy soil.
- ❖ 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.
- ❖ Mulching of leaves around newly planted cashewnut plants to conserve moisture. Irrigate 20 to 25 lit per plant.
- ❖ 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.
- ❖ 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.
- ❖ Transplanting of vegetables should be done in afternoon hour to avoid high temperature.
- ❖ 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.

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.

GROUNDNUT: Tobacco caterpillar: There is a chance of Tobacco caterpillar in Grountnut. To control this spray Profenophos 50% EC @ 400 ml/acre or Flubendiamide 480 SC @ 40 ml/acre with 200 litre of water.

Tikka disease : For control Tikka diseases spray Chlorothalonil 75% WP @ 400 g/ acre or Mancozeb 75% WP @ 600 g/acre or Hexaconazole 5% E.C @ 300 ml/acre.

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.

CUCURBITS: Downy Mildew management: To manage Downy Mildew disease in cucurbits spray Copper Hydroxide 77 % WP @ 3-gram/litre or Fosetyl -AL 80 % WP @ 3- gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

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.

MANGO: Mango hopper -To control mango hoppers spray Imidacloprid 17.8% SL @ 5 ml/15 litre of water or Thiamethoxam 25% W.G @ 3ml/15litre of water or Acetamiprid 20% S.P. @ 4g /15litre of water. Application of smoke below the plants can also help in reducing the pest population.

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

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