



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

Dr.T.R Mohanty
Nodal Officer

Week No.17

No. – 456 (Eng. Bulletin)
Dt. – 26.04.2024

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

The mean maximum daily temperature was 42.1°C and mean minimum daily temperature was 26.7°C of the Khordha district during the last week. The district received 0.9 mm rainfall during the last week. Sowing of vegetables are also under progress. Harvesting stage of Green gram and Black gram. Harvesting and planting of Sugarcane is under progress. Crop coverage till date is 99.6 % of the total programme area. Overall crop condition is Normal.

Forecast (Up to 01.05.2024)
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 the 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 16-21 km/h. The daily maximum and minimum temperature are likely to remain 42-43°C and 25-26°C respectively for next five days.

DISTRICT	KHORDHA				
Date	27/04/2024	28/04/2024	29/04/2024	30/04/2024	01/05/2024
Rainfall (mm)	0	0	0	0	0
T-MAX (C)	42	42	43	43	43
T-MIN (C)	26	26	26	25	25
Cloud Cover	2	1	1	1	2
Rh Max (%)	69	75	74	76	69
Rh Min (%)	31	29	26	26	29
Wind speed (kmph)	21	19	16	19	19
Wind Direction (deg)	202	205	208	204	207

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

Agromet Advisory

- ❖ 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.
- ❖ Farmers are advised to frequently irrigate the crops like sugarcane, summer maize, pulses and vegetables to avoid high temperature stress.
- ❖ 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.

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% + Difenconazole 11.4 % S.C @ 200ml/acre or Tebuconazole 50%+ Trifloxystrobin 25 % WG @ 80 gram/acre.

Panicle Mites-To control panicle mite in paddy spray Diafenthiuran @ 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: Whip smut -To prevent whip smut disease the setts should be treated with carbendazim solution @ 1-1.5 gm/litre of water. Initially the smutted whips should be collected and burnt at a distance. To control this disease spray 200 g of Triadimefon or 600g of combined fungicide of Carboxin and Thiram per acre.

OKRA: Shoot and fruit borer - To manage the pest, remove the affected terminal shoot showing bore holes and the affected fruits. To manage the pest biologically spray Bacillus thuringiensis var. Kurstaki 5 % WP @ 400 g/acre. To manage the pest chemically spray Emamectin Benzoate 5% SG @ 80 g/ acre or Chlorantraniliprole 18.5 % SC @80 ml/acre or Pyridalyl 10% EC @ 300 ml/acre by mixing in 200 litre of water.

CUCURBITS: Fruit fly - To manage fruit fly in cucurbits, prepare a poison bait by mixing 400 g of Jaggery and 8 ml Malathion or DDVP in 4 litre of water. Keep this mixture in Plastic cups or clay pots @80 nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

COCONUT: Black headed caterpillar - To manage black headed caterpillar in coconut, install Bracon card in the frond of the plant. Cut the affected leaves and burn it. Spray Chlorantraniliprole 18.5 % SC@ 4 ml/ 10litre of water or Emamectin Benzoate 5 % SG @ 4g/10 litre of water.

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

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>)

E-mail: aas_ouat@yahoo.com, WhatsApp: +91 76569 09765, Web Portal: <https://ouat.nic.in/agro-advisory-service>