



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

Dr.T.R Mohanty
Nodal Officer

Week No.01

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

The mean maximum daily temperature was 28.42°C and mean minimum daily temperature was 16.42°C of the Khordha district during the last week. The district received no rainfall during the last week. Harvesting of Long duration paddy is going to be completed. Preparation of paddy nursery is continuing. Picking of cotton crop is in progress. Harvesting and planting of Sugarcane is under progress. Sowing of Rabi crops like Cereals, Pulses, Oilseeds, Vegetables and Spices are under progress. Progress of sowing is better as compared to last Rabi season. Overall crop condition is Normal.

Forecast (Up to 07.01.2024)

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 partly cloudy for the next five days. The wind may flow North Easterly to Southerly with speed of 07-09 km/h. The daily maximum and minimum temperature are likely to remain 27-28°C and 16-18°C respectively for next five days.

DISTRICT	KHORDHA				
Date	03/01/2024	04/01/2024	05/01/2024	06/01/2024	07/01/2024
Rainfall (mm)	0	0	0	0	0
T-MAX (C)	28	28	27	27	27
T-MIN (C)	16	17	17	18	18
Cloud Cover	0	0	0	4	4
Rh Max (%)	80	75	85	89	85
Rh Min (%)	34	31	32	36	36
Wind speed (kmph)	8	9	7	8	7
Wind Direction (deg)	150	288	153	160	158

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

Agromet Advisory

- ❖ Apply light irrigation preferably bore well water to the paddy nursery area in the evening to maintain the soil temperature favourable for seedling growth.
- ❖ Continue sowing operation of summer paddy and use polythene to cover the paddy nursery at night-time.
- ❖ During cool winter days to protect the paddy nursery, apply a thin layer of well decomposed FYM in wet bed to keep the bed relatively warm.
- ❖ Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress.
- ❖ Cover the recently planted cole crops with paper pockets during night time to avoid low temperature.
- ❖ Sunflower crop is at 25-30 days stage. Go for hoeing and weeding and thinning and apply N -fertilizer.
- ❖ For better tuber growth in potato, soil temperature below 30°C should be maintained. Therefore farmers are advised to irrigate the field.
- ❖ Due to low night temperature and fog condition, there will be chance of infestation of sucking pests, leaf blight, powdery mildew in the Rabi crops and vegetables. Monitor the crops and vegetables, if symptoms are noticed, undertake appropriate plant protection measures.
- ❖ In winter during cold hours farmers should keep doors, windows and open spaces in cow sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air.
- ❖ For maintaining the heat in the poultry shed during winter season, install heaters in the shed.

PADDY (Summer): Wet Direct Sown Paddy

Farmers those are going for Wet direct sown rice cultivation should apply 35 kg DAP, 27 kg Potash and 8 kg Urea per acre during last puddling. For sandy soil apply 35 kg DAP, 15 kg Potash and 8 kg Urea per acre during last puddling. In Zinc deficient soil apply Zinc Sulphate (21%) @ 10 kg/acre at every three years. Sowing of pre-germinated seeds should be done in puddled soil by direct broadcasting or by using drum seeder.

GROUNDNUT: Aphids and Thrips

To control aphids and thrips spray Neem Based Pesticide 300 PPM @ 1litre /acre during primary stage of infestation. If the infestation is severe than spray Thiamethoxam 25% W.G @ 40 g/acre or Imidacloprid 17.8% SL @ 50 ml/acre by mixing it in 200 litre of water.

BLACKGRAM AND GREENGRAM: Yellow mosaic virus

Present weather condition is favourable for the incidence of yellow mosaic virus which is caused by the vector white fly. To control go for spraying of triazophos @ 400 ml/acre or Acetamipride @ 40 g per acre.

TOMATO: Whitefly

Use yellow sticky traps 5 @ 8-10/acre to attract and kill White fly in Tomato. 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.

CABBAGE: Cabbage webber and tobacco caterpillar

Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in Cabbage. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water.

MARIGOLD: Leaf eating caterpillar- To manage the leaf eating caterpillar biologically use Pheromone trap Spodolure @ 6/acre or Installight trap @ 5 nos. Apply Bacillus thuringiensis @ 500 g/acre or Beauveria bassiana @ 1kg/acre. For chemical control, spray Chlorpyrifos 50 % + Cypermethrin 5 % E.C @ 400-ml/acre or Lambda Cyhalothrin 5% EC @ 300 ml/acre during afternoon hours by mixing with 200 litres of water.

ANIMAL HUSBANDRY: Don't feed wet or water soaked straw to cattle. Before feeding dry it well under Sun.

Lumpy skin disease in cattle is prevalent in Odisha, where Infection typically causes fever, depression, skin nodules, and reduction in milk yield. It is spread by flies, mosquitoes and tick. Animal's shed should be cleaned. Consult to nearby veterinary doctor if Lumpy skin disease symptom is observed in cattle.

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.

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