



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

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Nodal Officer

**Week No.49**

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

The mean maximum daily temperature was 28.14°C and mean minimum daily temperature was 21.28°C of the Puri district during the last week. The district received 5.1 mm rainfall during the last seven days. Harvesting of medium duration paddy is nearly completed. Harvesting of long duration paddy is continuing. Raising of Nursery bed for summer paddy is under progress. The Arhar crop is in flowering to pod formation stage. Picking of cotton crop is in progress and about 20% of the crop has been harvested. Harvesting of Sugarcane has started. Sowing of Rabi crops like Maize, Wheat, Pulses, Oilseeds, Vegetables and Spices are under process. Rainfall up to the end of this week is deficient. Overall crop condition is Normal.

**Forecast (Up to 13.12.2023)**

**Given by Met. Centre, IMD, Bhubaneswar**

**DISTRICT: PURI** – As per IMD forecast, for the next five days the district is most likely to receive very light rainfall on Saturday followed by dry weather till Wednesday with partly cloudy to generally cloudy sky. In the next 5 days, the wind speed is likely to remain within 09-12 km/h. The maximum temperature and minimum temperature will likely to remain between 28 -29°C and 18-19°C respectively for the next five days.

DISTRICT	PURI				
Date	09/12/2023	10/12/2023	11/12/2023	12/12/2023	13/12/2023
Rainfall (mm)	1	0	0	0	0
T-MAX (C )	28	29	29	29	29
T-MIN (C )	19	18	18	18	18
Cloud Cover	5	3	3	3	3
Rh Max (%)	81	74	76	65	63
Rh Min (%)	66	60	54	50	39
Wind speed (kmph)	12	12	9	11	10
Wind Direction (deg)	36	105	112	112	117

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

**Agromet Advisory**

- ❖ There will be chance of infestation of sucking pests, leaf blight, powdery mildew in the Rabi crops and vegetables, due to low night temperature and fog condition. Monitor the crops and vegetables, if symptoms are noticed, undertake appropriate plant protection measures.
- ❖ Rice grains must be dried under sun for 3-4 days to 14% moisture for consumption and 12% moisture for seed purpose.
- ❖ Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress.
- ❖ Carry out weeding, hoeing and other intercultural operations in rabi vegetables.
- ❖ Arrange good quality seeds of varieties CR Dhan 601, IR 64, Chandan, Lalat, Improved Lalat, Naveen, CR Dhan 311, CR Dhan 310, Khandagiri, Bina Dhan 11, CR Dhan 205, CR Dhan 206, MTU 1010, Luna Sankhi (for coastal saline areas). For wet direct seeded rice preferably use varieties like Naveen, Satabdi, Improved Lalat and CR Dhan 203.
- ❖ Complete transplanting of winter vegetable crops.
- ❖ In Cole crops irrigation should be done at 7-8 Days interval depending upon soil moisture and weather condition
- ❖ Harvest the mature sugarcanes below one inch of ground level for a successful ratoon crop.
- ❖ 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.

**PADDY: Rodent**- If ‘Rodent/Rats’ problem is noticed, locate the rodent burrow in the crop field and surrounding areas. Place Aluminium Phosphide 6% tablet @ One tablet (12 gm) per burrow and seal the burrow with mud which will kill the rodents.

**Stored grain insect pest** - Soon after noticing the infestation of the stored grain insect pest, take up fumigation by using Aluminium phosphide (do not use in dwelling houses) tablets @ of 3 tablets/ ton grain (total 9 g of tablets) in fairly air tight containers or by covering with thick tarpaulin leaving no gaps. The tablets should be wrapped in cotton pouches before placing them in the stacks. All the corners of plastic cover should be plastered with 6- inch thick layer of mud/ adhesive tapes to prevent leakage of gas. Minimum exposure period is for about 7-10 days.

**BLACKGRAM AND GREENGRAM:** There is a chance of powdery mildew disease in Black gram and Green gram. To control this disease, spray Sulphur 80% WP @800 g/acre or Hexaconazole 5% E.C @ 300 ml/acre.

**GROUNDNUT:** To control Leaf Miner infestation, spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**ONION:** To prevent Damping off disease in nursery, drench the nursery bed with Carbendazim @ 2 g/litre of water at 15 days interval. Seedlings of 8-weeks old are planted in the main field.

**BRINJAL:** To control leaf eating caterpillar and fruit borer in Brinjal, spray 80 g Emamectin benzoate or 80 ml Spinosad per 200 liter of water.

**CHILLI:** To control aphids and thrips in chilli during primary stage of pest infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @ 600-ml/acre by mixing in 200-litre of water. Spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20% S.P. @ 50-gram/acre or Profenophos 40 % + Fenpyroximate 2.5 % EC @ 400-ml/acre.

**FISHERIES:** During winters, there is a possibility of “EUS” disease in fish. Farmers are advised to apply Cifax @ 400 ml mixed with 40 litre of water in one acre pond area as a preventive measure. The fishes should be fed daily with oil cake bran mixture at the rate of 2-3 % of their total biomass.

**ANIMAL HUSBANDRY:** Animal’s shed and its floor should not remain wet and cool for longer periods of time. This may expose the animals, especially younger ones, to various ailments like pneumonia, fever, coccidiosis, diarrhea and even death in severe case. Good ventilation must be ensured during winter.

**PRINCIPAL NODAL OFFICER**

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