



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

**Dr.T.R Mohanty**  
Nodal Officer

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

The mean maximum daily temperature was 27.42°C and mean minimum daily temperature was 17°C of the Puri district during the last week. The district received no rainfall during the last seven days. Harvesting of Long duration paddy is going to be completed. 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 31.12.2023)**  
**Given by Met. Centre, IMD, Bhubaneswar**

**DISTRICT: PURI** – As per the forecast received from IMD, dry weather may prevail over the district of Puri for next five days. The sky condition may remain mainly clear to mainly clear for the next five days. The wind may flow North Easterly to South Easterly with speed of 07-10 km/h. The daily maximum and minimum temperature are likely to remain 28-29°C and 18-19°C for next five days.

DISTRICT	PURI				
Date	27/12/2023	28/12/2023	29/12/2023	30/12/2023	31/12/2023
Rainfall (mm)	0	0	0	0	0
T-MAX (C )	29	29	28	28	28
T-MIN (C )	19	19	18	18	18
Cloud Cover	0	0	0	0	1
Rh Max (%)	77	73	75	75	76
Rh Min (%)	58	53	51	49	48
Wind speed (kmph)	8	7	9	10	9
Wind Direction (deg)	150	160	154	90	158

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

**Agromet Advisory**

- ❖ Continue sowing operation of summer paddy.
- ❖ Use polythene to cover the paddy nursery at night-time.
- ❖ Apply light irrigation preferably bore well water to the paddy nursery area in the evening to maintain the soil temperature favourable for seedling growth.
- ❖ 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: Nursery Management-**

Prepare the wet nursery seed beds for paddy. Irrigate the nursery field and puddle it 2-3 times followed by planking. Apply 200 kg of FYM, 4 kg of DAP, 2.5 kg of MOP and 1 kg of Zinc sulphate during last puddling. Divide nursery area into smaller plots of convenient length. Irrigation channels of size 30 cm in width should be made along the beds for irrigation/drainage purpose. Sprouted Seeds should be sown @ 40-50 g / m<sup>2</sup> area of seed bed by line sowing with 5 cm gap between each line.

**Seed treatment-**Treat the paddy seeds with Carbendazim 50% W.P @ 1.5 g/1kg of seeds or Carboxin 37.5% + Thiram 37.5 % @ 3 g /1 kg of seeds before sowing in the nursery.

**BLACKGRAM AND GREENGRAM: Powdery mildew-**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.

**MUSTARD:** There are chances of Aphid and Painted Bug infestation in mustard crop. During primary stage of pest infestation spray Neem Based Pesticide (Azadirachtin) 1500 PPM @ 600ml/acre. To manage Aphids and Painted Bug chemically spray Thiamethoxam 25% W.G (Actara/Areva) @ 40 gram/acre or Acetamiprid 20% S.P. (Dhanpreet/Manik) @ 50 gram/acre or Imidacloprid 17.8% SL (Media/Tatamida) @ 60-ml acre by mixing in 200 litre of water. Apply the insecticides in the afternoon hours so that the movement of Honeybees will not be disturbed.

**POTATO:** Go for hoeing and hand weeding in Potato after 3 weeks of first earthing up. Apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 400 ml/acre for control of cut worm and leaf eating insect.

**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 Installlight 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.

**PRINCIPAL NODAL OFFICER**

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