



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

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Nodal Officer

**Week No.51**

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

The mean maximum daily temperature was 27.85°C and mean minimum daily temperature was 17.14°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 under progress. Raising of Nursery bed and Transplanting of for summer paddy is under progress. Harvesting and planting of sugarcane is under progress. The Arhar crop is in flowering to pod formation stage. Sowing of rabi crops like Maize, Wheat, Pulses, Oilseeds, Vegetables and Spices are continuing. Overall crop condition is Normal.

**Forecast (Up to 24.12.2023)**

**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 partly cloudy for the next five days. The wind may flow North Easterly to South Easterly with speed of 10-15 km/h. The daily maximum and minimum temperature are likely to remain 27-28°C and 16-18°C for next five days.

DISTRICT	PURI				
Date	20/12/2023	21/12/2023	22/12/2023	23/12/2023	24/12/2023
Rainfall (mm)	0	0	0	0	0
T-MAX (C )	27	27	27	28	28
T-MIN (C )	16	16	16	17	18
Cloud Cover	1	1	2	2	3
Rh Max (%)	55	54	64	70	71
Rh Min (%)	39	34	35	39	45
Wind speed (kmph)	15	12	10	10	11
Wind Direction (deg)	63	27	72	105	110

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

**Agromet Advisory**

- ❖ Now the weather is optimum for nursery sowing of Rabi rice. 10 decimal area is sufficient for nursery sowing for one acre planting.
- ❖ Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress.
- ❖ 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.
- ❖ Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- ❖ Carry out weeding, hoeing and other intercultural operations in Rabi vegetables.
- ❖ In Cole crops irrigation should be done at 7-8 Days interval depending upon soil moisture and weather condition
- ❖ 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:**

**Varietal selection (Summer):**

Arrange good quality paddy seed varieties like Satyabhama, Sahabhazi Dhan, Mandakini, Manaswini, DRR 42, DRR-43, DRR-44, Bina 11, GB-1, Improved Lalat, MTU 1010, MTU 1001, Naveen, Swarna Shreya and Luna Sankhi (Coastal Saline) which can be grown as transplanted rice in dry season.

**Seed treatment (Summer):**

Treat the seeds with Carbendazim 50% W.P @ 1.5-gram/1-kg of seeds or Carboxin 37.5% + Thiram 37.5 % @ 3- gram /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.

**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.

**TOMATO: Fruit borer**

First collect and destroy the affected fruits and grown up larvae. Set up 20 nos. of pheromone trap having Helilure per acre. Go for spraying of insecticide if there are 10% fruits infested with borer. Spray Chlorantraniliprole 18.5% S.C @ 80 ml/acre or Flubendiamide 39.5 % M/M S.C @ 40 ml/acre or Indoxacarb 14.5% S.C. @ 200 ml/acre. Use any of the above insecticides alternately at 15 days interval.

**POTATO: Leaf Blight**

There are chances of early and late leaf Blight disease incidence in potato crop. To control early leaf blight in potato, spray Mancozeb 75% WP @600 g /acre or Carbendazim 12% + Mancozeb 63% W.P @ 400 g /acre. For controlling late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400 g /acre at 10 days interval.

**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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