



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

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Nodal Officer

Week No.50

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

The mean maximum daily temperature was 27.6°C and mean minimum daily temperature was 19.7°C of the Puri district during the last week. The district received 3.4 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. Harvesting of Sugarcane has started. Sowing of *rabi* crops like Maize, Wheat, Pulses, Oilseeds, Vegetables and Spices are under process. Overall crop condition is Normal.

Forecast (Up to 17.12.2023)
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 clear to partly cloudy for the next five days. The wind may flow North Easterly to South Easterly with speed of 09-15 km/h. The daily maximum and minimum temperature are likely to remain 28°C and 17-18°C for next five days.

DISTRICT	PURI				
Date	13/12/2023	14/12/2023	15/12/2023	16/12/2023	17/12/2023
Rainfall (mm)	0	0	0	0	0
T-MAX (C)	28	28	28	28	28
T-MIN (C)	17	17	18	18	17
Cloud Cover	1	3	3	0	0
Rh Max (%)	65	73	66	52	55
Rh Min (%)	35	46	47	38	35
Wind speed (kmph)	9	9	14	15	14
Wind Direction (deg)	112	126	112	60	63

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

Agromet Advisory

- ❖ Rice grains must be dried under sun for 3-4 days to 14% moisture for consumption and 12% moisture for seed purpose.
- ❖ There will be chances of infestation of sucking pests, leaf blight, powdery mildew in the *rabi* crops and vegetables, due to low night temperature. Monitor the crops and vegetables, if symptoms are noticed, undertake appropriate plant protection measures.
- ❖ Carry out weeding, hoeing and other intercultural operations in *rabi* vegetables.
- ❖ Now the weather is optimum for nursery sowing of *rabi* rice. 10 decimal area is sufficient for nursery sowing for one acre planting.
- ❖ 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.
- ❖ Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- ❖ 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: To manage aphids during primary stage of pest infestation spray Neem Based Pesticide 1500 PPM @ 600 ml/acre. Then spray Thiamethoxam 25% W.G @ 40 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre by mixing in 200 litres of water.

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 Fruit and shoot borer in Brinjal, Spray Neem based pesticide 1500ppm @600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @70ml/acre and Thiodicarb@300g/acre at 15 days interval.

TOMATO: Due to decrease in minimum temperature and foggy condition there may be chances of late blight in tomato, to avoid late blight precaution must be taken during the initial infection stage. Spray 2.5 g Metalaxyl + Mancozeb/lit of water .Mix 3 gram Trichoderma with per kg of seed during seed treatment.Avoid excess nitrogen fertilizer and close spacing of plants.

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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