



**Gramin Krishi Mausam Sewa**  
**India Meteorological Department**  
**Odisha University of Agriculture and Technology**  
**Ranital, Bhadrak, - 756111**

**WeekNo.48**

No.-96 (Eng.Bulletin)  
Dt.-01.12.2023

District-Bhadrak (North-East Coastal Plain Zone)

**Weather Condition During Last Week at Bhadrak (22.11.2023 –28.11.2023)**

Rainfall (mm)	0.0
Maximum temperature ( <sup>0</sup> C)	29.0-30.0
Minimum temperature ( <sup>0</sup> C)	18.0-20.0

**Forecast (Upto 06.12.2023)**  
**Given by Met.Centre,IMD,Bhubaneswar**

**DISTRICT: Bhadrak**– As per IMD forecast, the district is likely to receive **dry weather for first 3 days and Light rainfall for last 3 days** with mainly cloudy to Generally Cloudy sky. The wind speed is likely to remain within 09-13 km/h. The maximum temperature and minimum temperature will likely to remain 28-31<sup>0</sup>C and 20-22<sup>0</sup>C to respectively for the next five days.

DISTRICT	Date	Rainfall (mm)	T-MAX (C)	T-MIN (C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
BHADRAK	02-12-2023	0	31	20	2	63	42	13	45
	03-12-2023	0	31	20	3	62	45	12	56
	04-12-2023	1	30	21	4	72	51	9	81
	05-12-2023	5	29	22	5	82	68	12	22
	06-12-2023	7	28	22	6	80	70	17	22

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

**Agromet Advisory**

<b>Kharif Rice</b>	<ul style="list-style-type: none"> <li>❖ <b>General Advisory-</b></li> <li>❖ <b>As per IMD there may be chances of light rain after 2 days so farmers are advised to harvest matured paddy crops as soon as possible and store them in safer place.</b></li> <li>❖ Paddy is in Maturity stage. As dry weather is forecasted for first 2 days after today then light rain is there for 3 days,if panicle turns 85% yellow and matured, then go for harvesting of the crop.</li> <li>❖ Make the threshing floor and storage ground clean and disinfectant the same.</li> <li>❖ Clean the storage Go down properly and spray Lambda Cyahalothrin <u>4.9CS@ 1.5ml/li.</u> of water to minimize the chance of future infestation of storage pest.</li> <li>❖ Grains must be dried under sun for 3-4 days to 14% moisture for consumption and 12% moisture for seed purpose.</li> </ul>
<b>Rapeseed and Mustard</b>	<ul style="list-style-type: none"> <li>❖ Taking the advantage of store soil moisture, land preparation and sowing of the crop should be completed soon to get optimum yield.</li> <li>❖ Suitable varieties: Toria- Anuradha, Parbati, Sushree Indian mustard- NRCHB 101, Mahyco bold, JD 6</li> <li>❖ Seed rate- 8-10 Kg/ha, Spacing- 30 cm X 10 cm</li> <li>❖ Fertilizer dose: Toria @60:30:30 N-P2O5-K2O Kg/ha Mustard@80:40:40 N-P2O5-K2O Kg/ha 50%N and all P2O5 and K2O fertilizers should be applied as basal.</li> <li>❖ Application of Bentonite Sulphur @30kg/ha for increasing the oil content .Otherwise select Grommer (20:20:0:13) and MOP as a source of N,P,K &amp; S.</li> </ul>
<b>Vegetables</b>	<ul style="list-style-type: none"> <li>❖ To prevent from wilting or partial wilting in brinjal and tomato apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.</li> <li>❖ In case of solanaceous vegetable avoid excess irrigation to prevent the occurrence and spreading of wilting disease.If wilting is noticed uproot the plants, expose the soil to sunlight and spray</li> </ul>

	<p>Tebuconazole @200ml along with Plantomycin @ 200 g/acre.</p> <ul style="list-style-type: none"> <li>❖ Provide bamboo or wooden stake for better fruit set and growth of Tomato plants.</li> <li>❖ For minimizing the infestation of sucking insect pests like white fly, leaf hopper, thrips and aphid in vegetables nursery and main field, spray Thiamethoxam @ 0.4g/litre of water.</li> <li>❖ To control leaf eating caterpillar and fruit borer in winter vegetables like Brinjal, Cole crops, Chilly &amp; tomato apply 0.5 g Emamectin benzoate or 0.4 ml Spinosad per liter of water.</li> </ul>
	<ul style="list-style-type: none"> <li>❖ <b>Legume Vegetables- Cowpea, Beans, Runner bean</b></li> </ul> <p>To protect the crop from flea beetle and other foliage feeder spray Neem oil 1500 PPM @ 3ml/li. of water or spinosad 0.4 ml/lit of water recommended.</p> <ul style="list-style-type: none"> <li>❖ For Minimizing the spread of viral diseases like Cowpea Mosaic virus, Install yellow sticky trap, spray Neem based formulation 1500 ppm @ 3 ml/ lit of H<sub>2</sub>O and need based application of Acetamiprid @ 0.4g/lit of water recommended.</li> </ul>
<b>Cole Crops</b>	<ul style="list-style-type: none"> <li>❖ To prevent collar rot of cole crops Spraying of (Metalxyl + Mancozeb) or (Cymaxonil+Mancozeb) @ 2g /lit of water recommended.</li> </ul>
<b>Fruit</b>	<ul style="list-style-type: none"> <li>❖ <b>Papaya</b>-Install Yellow Sticky trap to trap the vector (Whitefly) of Papaya Leaf Curl Virus. Alternate spraying of Neem oil formulation 1500ppm @3ml/lit of water and flonicamid 50WG @0.3g/litre to control whitefly.</li> <li>❖ Avoid Growing of crops like – Okra, Cowpea in the near vicinity of papaya crops.</li> <li>❖ <b>Coconut</b>-</li> <li>❖ Monitor the activity and infestation level of Red Palm Weevil and Rhinoceros Beetle. Spraying of Lambda Cyhalothrin @1.25ml/lit. of water in the manure pits adjoining to coconut plantation recommended.</li> <li>❖ To reduce the incidence of Leaf blight in newly planted coconut saplings spraying of Metalxyl+ Mancozeb@2 g/ litre of water is advised.</li> </ul>
<b>Pisciculture</b>	<ul style="list-style-type: none"> <li>❖ As the winter is in the starting phase, 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.</li> <li>❖ The fishes should be fed daily with oil cake bran mixture at the rate of 2-3 % of their total biomass.</li> </ul>
<b>Animal Science</b>	<ul style="list-style-type: none"> <li>❖ Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals.</li> <li>❖ 10% extra dry matter should be provided over and above the total requirement to fulfill the extra energy requirement in winter</li> </ul>

Mrs. Meera Mahanty  
Jr. Agrometeorologist  
AMFU, RRTTS, Ranital

Dr. Umasankar Nayak  
ADR & NODAL OFFICER  
AMFU, RRTTS, Ranital

**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 & Vermi Compost 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.**

**Download:(Android:<https://play.google.com/store/apps/details?id=com.aas.meghdoot>),(iOS:<https://apps.apple.com/in/app/meghdoot/id1474048155>)**