



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

WeekNo.49

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District-Bhadrak (North-East Coastal Plain Zone)

**Weather Condition During Last Week at Bhadrak (29.11.2023 –05.12.2023)**

Rainfall (mm)	0.0
Maximum temperature (°C)	28.0-30.0
Minimum temperature (°C)	19.0-21.0

Forecast (Upto 10.12.2023)  
Given by Met.Centre,IMD,Bhubaneswar

**DISTRICT: Bhadrak**- As per IMD forecast, the district is likely to receive **Very Light to Light rainfall for first 3 days and dry weather for last 2 days** with mainly cloudy to Generally Cloudy sky. The wind speed is likely to remain within 08-19 km/h. The maximum temperature and minimum temperature will likely to remain 29-30°C and 19-23°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	06-12-2023	5	29	23	6	92	62	16	22
	07-12-2023	5	29	23	6	90	84	19	22
	08-12-2023	1	29	22	5	88	75	16	24
	09-12-2023	0	30	21	3	82	65	11	45
	10-12-2023	0	30	19	2	74	46	8	112

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 Very light to light rain, so farmers are advised to harvest matured paddy crops as soon as possible and store them in safer place.</b></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 Tebuconazole @200ml along with Plantomycin @ 200 g/acre.</li> <li>❖ Provide bamboo or wooden stake for better fruit set and growth of Tomato plants.</li> </ul>

	<ul style="list-style-type: none"> <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> 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.</li> <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 neem 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

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