



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

WeekNo.50

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District–Bhadrak (North-East Coastal Plain Zone)

**Weather Condition During Last Week at Bhadrak (09.12.2023 –15.12.2023)**

Rainfall (mm)	0.0
Maximum temperature ( <sup>0</sup> C)	26.0-29.0
Minimum temperature ( <sup>0</sup> C)	14.0-18.0

Forecast (Upto 20.12.2023)  
Given by Met.Centre,IMD,Bhubaneswar

**DISTRICT: Bhadrak**– As per IMD forecast, the district is likely to receive **Dry weather for 5 days** with Clear sky to Partly Cloudy sky. The wind speed is likely to remain within 09-12 km/h. The maximum temperature and minimum temperature will likely to remain 27-29°C and 14-16°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	16-12-2023	0	28	15	0	52	27	9	23
	17-12-2023	0	28	16	0	53	28	9	45
	18-12-2023	0	29	16	2	51	28	9	90
	19-12-2023	0	28	15	3	51	29	10	22
	20-12-2023	0	27	14	2	42	26	12	30

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>❖ Rice grains must be dried under sun for 3-4 days to 14% moisture for consumption and 12% moisture for seed purpose.</li> <li>❖ Make the threshing floor and storage godown clean and and spray Lambda Cyahalothrin <a href="#">4.9CS@ 1.5ml/li.</a> of water to minimize the chance of future infestation of storage pest.</li> </ul>
<b>Blackgram</b>	<ul style="list-style-type: none"> <li>❖ In the shallow low land areas sowing of local blackgram as paira crop should be completed.</li> <li>❖ Sow the seeds after treating with (Carboxin+Thiram)@2gm/kg of seed.</li> <li>❖ Treat the seed after 7 days of above insecticide with specific Rhizobium culture before sowing. Mix 400g culture with 3g Ammonium molybdate &amp; 800 ml water and apply with 10 kg of seed.</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- Sushree Indian mustard- NRCHB 101, JD 6, Sampoorna</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> <li>❖ Thinning should be carried out before top dressing to maintain optimum plant population.</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> </ul>

	<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> 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 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 (Cymaxoniil+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>➤ If the animals have not yet been vaccinated against FMD, Haemorrhagic Septicaemia, Black Quarter, Enterotoxemia etc., these must be done.</li> <li>➤ Due care should be taken to store/procure fodder for periods of shortage that may occur during the winter months in certain areas. Perennial grasses must be cut at this time.</li> <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> </ul>

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