



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

WeekNo.52

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**District-Balasore (North-East Coastal Plain Zone)**

**Weather Condition During Last Week at Balasore (23.12.2023 –29.12.2023)**

Rainfall (mm)	0.0
Maximum temperature ( <sup>0</sup> C)	28.0-29.0
Minimum temperature ( <sup>0</sup> C)	16.0-18.0

Forecast (Upto 03.01.2024)  
Given by Met. Centre,IMD,Bhubaneswar

**DISTRICT: Balasore** – As per IMD forecast, the district is likely to receive **Dry weather for 5 days** with Clear Sky to mainly Clear sky. The wind speed is likely to remain within 04-05 km/h. The maximum temperature and minimum temperature will likely to remain 26-27<sup>0</sup>C and 13-14<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)
BALASORE	30-12-2023	0	26	13	0	68	36	4	135
	31-12-2023	0	27	13	0	70	34	4	155
	01-01-2024	0	27	13	0	70	33	4	198
	02-01-2024	0	27	14	0	72	32	5	200
	03-01-2024	0	27	14	1	74	35	5	153

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

**Agromet Advisory**

<b>Kharif Rice</b>	<p><b>General Advisory-</b></p> <ul style="list-style-type: none"><li>❖ Farmers are advised not to burn the residue of Kharif crops in the fields because it not only pollute the environment but also cause severe health problems.</li><li>❖ To prevent damage from fog, low temperature and moisture stress, provide light irrigation to standing crops &amp; vegetables during morning hours.</li><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 spray Lambda Cyahalothrin <u>4.9CS@ 1.5ml/li.</u> 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>❖ 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.Perform hoeing, weeding and thinning (wherever necessary) at 3 weeks stage.</li><li>❖ Irrigate the field if soil moisture stress is observed.</li><li>❖ Past weather condition is favourable for aphid attack and white rust infestation in mustard crop so its regular monitoring should be advised.</li><li>❖ To manage leaf Webber and Sawfly pests at early stage of infestation spray neem-based pesticide (Neem Oil 1500 PPM) @ 600-ml/acre by mixing in 200-litre of water. After 7-10 days, spray Bacillus thuringensis @ 500 g/acre by mixing in 200-litre of water.</li></ul>
	<ul style="list-style-type: none"><li>❖ <b>Cauliflower:</b> To manage Alternaria leaf spot disease in Cole crops spray Mancozeb 75 % WP @ 600-gram/acre or carbendazim 12 % + Mancozeb 63 % WP @ 400-gram/acre by mixing in 200-litre of</li></ul>

<b>Vegetables</b>	<p>water. Chances of diamond back moth infestation in cauliflower, if observe spray Azadirachtin 5% W/W @ 0.5 ml/litre of water or Emamectin benzoate 5% SG @ 0.4 g/litre of water. To increase yield spray Borax (10.5% B) @ 3 g/litre of water at 30 and 50 days after transplanting.</p> <p><b>Tomato &amp; Brinjal:</b></p> <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>❖ 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>
<b>Flower</b>	<ul style="list-style-type: none"> <li>❖ <b>Marigold:</b> Mealy bug in marigold can be controlled by spraying Fish oil or resin soap @ 25 g/lt. In severe infestation, spray Dimethoate or Prophenophos @ 2 ml/lt.●</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>❖ <b>Coconut-</b></li> <li>❖ To reduce the incidence of Leaf blight in newly planted coconut saplings spraying of Meatalxyl+ 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>➤ The large ventilation spaces in shed must be closed in night, as the night temperature is falling.</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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