



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

WeekNo.02

No.-03 (Eng.Bulletin)  
Dt.-09.01.2024

**District–Balasore (North-Eastern Coastal Plain Zone)**

**Weather Condition During Last Week at Balasore (03.12.2023 –09.01.2024)**

Rainfall (mm)	0.0
Maximum temperature ( <sup>0</sup> C)	26.0-28.0
Minimum temperature ( <sup>0</sup> C)	14.0-16.0

Forecast (Upto 14.01.2024)

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 09-11 km/h. The maximum temperature and minimum temperature will likely to remain 26-27°C and 15-17°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)
<b>BALASORE</b>	10-01-2024	0	26	16	2	60	37	9	75
	11-01-2024	0	27	17	2	60	37	9	105
	12-01-2024	0	26	17	2	63	38	11	90
	13-01-2024	0	26	16	0	36	27	10	116
	14-01-2024	0	26	15	0	39	23	9	161

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 storage godown clean and spray Lambda Cyhalothrin <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>❖ After harvesting of paddy, it is ideal time for land preparation for sowing pulses like green gram, black gram and pea.</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> <li>❖ Seed rate: Green gram and Black gram: 25-30Kg/ha. Pea-50Kg/ha. Fertilizer dose:20-40-20 Kg N-P2O5-K2O/ha</li> </ul>
<b>Rapeseed and Mustard</b>	<ul style="list-style-type: none"> <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 Leaf spot incidence in mustard crop so its regular monitoring should be advised.</li> <li>❖ To manage leaf Webber,Aphid 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 need based spraying of Acephate @300g/acre is recommended.</li> </ul>
<b>Vegetables</b>	<p><b>Cole Crops:</b></p> <ul style="list-style-type: none"> <li>❖ To prevent collar rot of cole crops Spraying of (Metalaxyl+Mancozeb) @400g/acre or (Cymaxonil+Mancozeb) @ 2g /lit of water recommended.</li> <li>❖ To manage Tobacco Caterpillar,Cabbage webber &amp; Cabbage head borer spray Neem based formulation 1500ppm @600ml/acre followed by neem based spraying of Emamectin Benzoate 5 SG (80-100)g/acre or spinosad 45SC@70ml/acre recommended.</li> </ul>

	<ul style="list-style-type: none"> <li>❖ In Boron deficient soil foliar spray of 20% Boron @300g/acre to prevent the symptoms of hollow stems is recommended.</li> <li><b>Tomato &amp; Brinjal:</b></li> <li>❖ To prevent from wilting or partial wilting in brinjal and tomato apply Neem or Karanjaa cake and spray Tebuconazole fungicide @ 1ml/liter to plant and plant base.</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 or Difenthurian @1g/li 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 Spinosad 0.4 ml/ liter of water.</li> <li><b>Cucurbits:</b></li> <li>❖ Sowing of Recommended HYV/Hybrid of Cucurbits after treating the seeds with Imidachloprid 600FS@(8-10)ml/kg seeds to minimize the incidence of viral /phytoplasma incidence.</li> </ul>
<b>Flower</b>	<ul style="list-style-type: none"> <li>❖ <b>Marigold</b></li> <li>❖ Spray the crop with Difenthurion @1g/li. Of water or Abamectin @0.75ml/li. Of water to control the infestation of Thrips, Aphids, Mites and Leaf Minor.</li> <li>❖ For spraying of incidence of leaf spot &amp; Blight spraying of (Carbendazim+Mancozeb) 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>❖ <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>

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>)**