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**Odisha University of Agriculture and Technology**  
**Ranital, Bhadrak, - 756111**

WeekNo.03

No.-06(Eng.Bulletin)  
Dt.-19.01.2024

District–Bhadrak (North-Eastern Coastal Plain Zone)

**Weather Condition During Last Week at Bhadrak(13.01.2024 –19.01.2024)**

Rainfall (mm)	0.0
Maximum temperature (°C)	24.0-28.0
Minimum temperature (°C)	14.0-20.0

Forecast (Upto24.01.2024)  
Given by Met.Centre,IMD,Bhubaneswar

**DISTRICT: Bhadrak**– As per IMD forecast, the district is likely to receive **Very Light to Light rain for 4 days and dry weather on 21st** with Partly Cloudy to Generally Cloudy Sky. The wind speed is likely to remain within 08-10km/h. The maximum temperature and minimum temperature will likely to remain 25-27°C and 18-20°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	20-01-2024	3	26	19	7	86	53	10	34
	21-01-2024	0	27	18	4	84	49	8	90
	22-01-2024	1	27	18	5	81	52	8	144
	23-01-2024	4	26	19	6	84	57	8	112
	24-01-2024	10	25	20	7	86	55	9	112

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

**Agromet Advisory**

<b>Rice</b>	<p><b>General Advisory-</b> According to medium range weather forecast of IMD, there is a chance of occurrence of very light to light rainfall in upcoming 5 days so farmers are advised to avoid any types spraying operations.</p> <ul style="list-style-type: none"> <li>❖ If stored grain infestation occurs, take up fumigation by using Aluminium phosphide tablets @ of 3 tablets / ton grain in fairly air tight containers or by covering with thick tarpaulin leaving no gaps. The tablets should be wrapped in cotton pouches before placing them in the stacks, which helps to discard the remnants after completing the fumigation.</li> <li>❖ Make the storage go down 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> <li>❖ Prepare nursery and treated seed ( 2gm carbendazim or carboxin+ thiram per kg of seed) may be sown for summer rice.</li> </ul>
<b>Blackgram</b>	<ul style="list-style-type: none"> <li>❖ Sow the blackgram 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>❖ To control aphid and mustard sawfly attack in mustard crop, spraying of Imidachlorprid @ 0.3ml or Thiamethoxam @ 0.3g and Chlorpyrifos @ 0.5-2ml (as per severity of attack) per liter of water respectively should be advised after two to three days of this week.</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>
	<p style="text-align: center;"><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</li> </ul>

<b>Vegetables</b>	<p>(Cymaxonil+Mancozeb) @ 2g /lit of water recommended.</p> <ul style="list-style-type: none"> <li>❖ To manage Tobacco Caterpillar,Cabbagewebber &amp; Cabbage head borer spray Neem based formulation 1500ppm @600ml/acre followed by neem based spraying of Emamectin Benzoate 5SG (80-100)g/acre or spinosad 45SC@70ml/acre recommended.</li> <li>❖ To control Diamond Back Moth in Cauliflower spraying of Spinosad 45 SC @ 0.5 ml or Fipronil 5% SC @ 2ml per liter of water should be advised under clear weather condition. If possible, use pheromone trap to control this insects</li> <li>❖ In Boron deficient soil foliar spray of 20% Boron @300g/acre to prevent the symptoms of hollow stems is recommended.</li> </ul> <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 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> </ul> <p><b>Cucurbits:</b></p> <ul style="list-style-type: none"> <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 Marigold plant 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> </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>➤ Farmers are advised to keep the animal shed clean and dry to avoid disease and insect attack and also provide mineral mixture, jaggery etc. along with fresh clean drinking water to the animal and make proper provision (if possible use jute/gunnybags to cover the animal as well as animal shed and straw as bedding material) to protect the animal from cold.</li> </ul>

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