



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



WeekNo.14

No-28(Eng.Bulletin)  
Dt.-05.04.2024

District-Bhadrak (North-Eastern Coastal Plain Zone)

**Weather Condition During Last Week at Bhadrak (30.03.2024 –05.04.2024)**

Rainfall (mm)	0.4
Maximum temperature (°C)	36.0-40.0
Minimum temperature (°C)	26.0-28.0

Forecast (Upto 10.04.2024)  
Given by Met.Centre,IMD,Bhubaneswar

**DISTRICT: Bhadrak** – As per IMD forecast, the district is likely to receive **Dry weather for first day & Very Light to light rain for next 4 days** with Clear to generally cloudy sky. The wind will blow southerly to south westerly in a speed within 09-16 km/h. The maximum temperature and minimum temperature will likely to remain 35-40°C and 25-28°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	06-04-2024	0	40	28	0	61	14	16	225
	07-04-2024	2	38	28	0	71	16	15	225
	08-04-2024	15	36	26	7	50	17	10	243
	09-04-2024	10	35	25	6	51	24	9	288
	10-04-2024	2	35	25	5	55	27	11	244

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

**Crop and Livestock Specific Agromet Advisory**

<b>General Advisory</b>	<ul style="list-style-type: none"> <li>➤ As there is possibility of very light to light rain in the district, farmers are advised to give needful irrigation to crops. For soil moisture conservation and avoid evaporation losses mulching practices should be followed. As the day time temperatures are on rise carryout all the field operations in morning hours. To Enhance pollination in crops, provide 20% Boron @300gm/acre by mixing 200 l of water.</li> <li>➤ Farmers should observe the pest and disease incidence on their field and if the infestation is above economic threshold level (ETL) then spraying of insecticide and pesticide should be done in morning hours.</li> </ul>	
<b>Crop Name</b>	<b>Crop Stage</b>	<b>Agromet Advisory</b>
<b>Summer Rice</b>	Active Tillering / PI Stage	<ul style="list-style-type: none"> <li>❖ If the rice crop is in PI stage, apply 35 kg Urea &amp; 10 kg MOP/ha as final top dressing.</li> <li>❖ Prevailing weather condition in rice field may increase the BLS/BLB infestation, to control this disease apply 200g plantomycin along with 500 g copper oxy chloride by mixing 200 l of water.</li> <li>❖ In summer rice high infestation of stem borer is observed so farmers are advised to monitor the activity of stem borer by installing light trap /Pheromone trap and apply To manage Yellow stem Borer apply 4 kg Rynaxypyr 0.4 G or Flubendiamide 0.7 G @5 kg/acre 8 kg Fipronil 0.3G per acre by keeping 2-3 cm of water level in Rice field.</li> <li>❖ To manage sheath blight &amp; Blast disease in paddy spray (Tebuconazole 50%+ Trifloxystrobin 25 % WG)@80g/acre recommended.</li> </ul>
<b>Sunflower</b>	Flowering	<ul style="list-style-type: none"> <li>❖ To control head borer in sunflower Flubendiamide@60ml/acre recommended.</li> <li>❖ Need based drenching of (Metalaxyl + Mancozeb) or (Cymoxanil + Mancozeb) @400gm per acre is advised to control stem rot &amp; collar rot.</li> </ul>
<b>Sugarcane</b>	Vegetative stage	<ul style="list-style-type: none"> <li>❖ Sugarcane crop should be kept weed free up to 4 months of planting by weeding and hoeing. As the summer season has started crop should be given irrigation at proper time intervals. Irrigate alternate rows and apply sugarcane trash as mulching. To control early shot borer in sugarcane foliar spray of Fipronil 5SC @400 ml/acre is advised.</li> </ul>

<b>Greengram</b>	Flowering/ Pod development	<ul style="list-style-type: none"> <li>❖ Prevailing weather condition may lead to population buildup &amp; infestation of hairy caterpillar &amp; Tobacco caterpillar. To minimise infestation place vegetative traps of (Ipomea/Jatropha leaves) near the field bund &amp; need based spary of Lambda Cyahalothrin 4.9 CS@ 250ml/acre or Emamectin benzoate @100g /acre recommended.</li> <li>❖ In summer greengram for the management of Spodoptera litura &amp; pod borer spraying of Emamectin benzoate @80g per acre or prophenophos @400 ml per acre is recommended.</li> </ul>
<b>Vegetables</b>	Flowering/ Fruiting	<ul style="list-style-type: none"> <li>❖ To control Fruit and shoot borer in <b>Brinjal, Tomato &amp; Okra</b> Spray Neem based pesticide 1500ppm @600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45 SC @70ml/acre or Emamectin benzoate @80-100g/acre &amp; Thiachloprid@250ml/l of water.</li> <li>❖ To prevent from wilting or partial wilting in <b>brinjal</b> and <b>tomato</b> apply Neem or Karanjaa cake and spray Tebuconazole fungicide @ 1ml/liter to plant and plant base.</li> <li>❖ To control Fruit rot in <b>Tomato</b> spray (Metalaxyl + Mancozeb) 400g/acre recommended.</li> <li>❖ Spraying Of Acephate @250g/acre along with neem oil formulation 600ml/acre to minimize damage caused by Red Pumpkin Bettle &amp; Epilacna beetle in <b>cucurbits</b>.</li> <li>❖ To control the little leaf in <b>bitter guard</b> &amp; other viral diseases of cucurbits up root the infected plants &amp; spray Flonicamid @60g/acre is recommended.</li> </ul>
<b>Fruit</b>	Mustard/Pea size fruit	<p><b>Mango-</b></p> <ul style="list-style-type: none"> <li>❖ To increase fruit size KNO<sub>3</sub> 2% at mustard size fruit stage should be applied. Spraying of <a href="#">NAA@1ml/4.5l</a> is recommended to prevent the fruit drop &amp; Spraying of Planofix @ 1ml/4.5 liters of increase the fruit setting in mango. Farmers shouldn't apply hormone and insecticide at same time. There should be at least one week gap between their applications.</li> <li>❖ If infestation of Mealy bug &amp; Mango hopper incidence in mango observed ETL, to control these pests, Spraying of Thiamethoxam 0.4 g/l of water or Lambda Cyahalothrin 4.9CS @1.25 ml/l of water recommended.</li> </ul>
<b>Livestock</b>		Due to present weather condition cattle should be kept at safe and shaded places. Give cool, clean and pure water to animals.

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).

Kindly download and use the "MAUSAM" App for location-specific forecast and warning, "Meghdoot" App for Weather forecast & Agromet advisory and "Damini" App for Lightning, Thunderstorm warning & Forecasting.

Download: (Android: <https://play.google.com/store/apps/details?id=com.aas.meghdoot>), (iOS: <https://apps.apple.com/in/app/meghdoot/id1474048155>)