



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

WeekNo.03

No.-05(Eng.Bulletin)
Dt.-16.01.2024

District–Bhadrak (North-Eastern Coastal Plain Zone)

Weather Condition During Last Week at Bhadrak (10.12.2023 –16.01.2024)

Rainfall (mm)	0.0
Maximum temperature (°C)	25.0-28.0
Minimum temperature (°C)	14.0-19.0

Forecast (Upto 21.01.2024)
Given by Met.Centre,IMD,Bhubaneswar

DISTRICT: Bhadrak– As per IMD forecast, the district is likely to receive **Very Light to Light rain for first 3 days and Dry weather for last 2 days** with Clear to Generally Cloudy sky. The wind speed is likely to remain within 08-13 km/h. The maximum temperature and minimum temperature will likely to remain 26-27°C and 16-17°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)
BHADRAK	17-01-2024	2	26	16	4	84	60	11	161
	18-01-2024	5	26	17	4	90	57	12	180
	19-01-2024	5	26	17	5	90	52	13	202
	20-01-2024	0	27	17	0	83	46	8	45
	21-01-2024	0	27	16	0	87	43	9	243

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

Agromet Advisory

Khari Rice	<ul style="list-style-type: none">❖ Rice grains must be dried under sun for 3-4 days to 14% moisture for consumption and 12% moisture for seed purpose.❖ Make the storage godown clean and spray Lambda Cyhalothrin 4.9CS@ 1.5ml/li. of water to minimize the chance of future infestation of storage pest.
Blackgram	<ul style="list-style-type: none">❖ After harvesting of paddy, it is ideal time for land preparation for sowing pulses like green gram, black gram and pea.❖ Sow the seeds after treating with (Carboxin+Thiram)@2gm/kg of seed.❖ Treat the seed after 7 days of above insecticide with specific Rhizobium culture before sowing. Mix 400g culture with 3g Ammonium molybdate & 800 ml water and apply with 10 kg of seed.❖ Seed rate: Green gram and Black gram: 25-30Kg/ha. Pea-50Kg/ha. Fertilizer dose:20-40-20 Kg N-P2O5-K2O/ha
Rapeseed and Mustard	<ul style="list-style-type: none">❖ Thinning should be carried out before top dressing to maintain optimum plant population.Perform hoeing, weeding and thinning (wherever necessary) at 3 weeks stage.❖ Irrigate the field if soil moisture stress is observed.❖ Past weather condition is favourable for aphid attack and Leaf spot incidence in mustard crop so its regular monitoring should be advised.❖ 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.
Vegetables	<p>Cole Crops :</p> <ul style="list-style-type: none">❖ To prevent collar rot of cole crops Spraying of (Metalaxyl+Mancozeb) @400g/acre or (Cymaxonil+Mancozeb) @ 2g /lit of water recommended.❖ To manage Tobacco Caterpillar,Cabbage webber & Cabbage head borer spray Neem based formulation 1500ppm @600ml/acre followed by neem based spraying of Examectin Benzoate 5SG

	<p>(80-100)g/acre or spinosad 45SC@70ml/acre recommended.</p> <ul style="list-style-type: none"> ❖ In Boron deficient soil foliar spray of 20% Boron @300g/acre to prevent the symptoms of hollow stems is recommended. <p>Tomato & Brinjal:</p> <ul style="list-style-type: none"> ❖ 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. ❖ Provide bamboo or wooden stake for better fruit set and growth of Tomato plants. ❖ 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. ❖ To control leaf eating caterpillar and fruit borer in winter vegetables like Brinjal, Cole crops, Chilly & tomato apply 0.5 g Emamectin benzoate or Spinosad 0.4 ml/ liter of water. <p>Cucurbits:</p> <ul style="list-style-type: none"> ❖ 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.
Flower	<ul style="list-style-type: none"> ❖ Marigold ❖ 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. ❖ For spraying of incidence of leaf spot & Blight spraying of (Carbendazim+Mancozeb) Recommended.
Fruit	<ul style="list-style-type: none"> ❖ Papaya-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. ❖ Coconut ❖ To reduce the incidence of Leaf blight in newly planted coconut saplings spraying of Meatalxyl+ Mancozeb@2 g/ litre of water is advised.
Pisciculture	<ul style="list-style-type: none"> ❖ 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. ❖ The fishes should be fed daily with oil cake bran mixture at the rate of 2-3 % of their total biomass.
Animal Science	<ul style="list-style-type: none"> ➤ The large ventilation spaces in shed must be closed in night, as the night temperature is falling. ➤ 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

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>)