



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

WeekNo.04

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District–Bhadrak (North-Eastern Coastal Plain Zone)

Weather Condition During Last Week at Bhadrak(21.01.2024 –27.01.2024)

Rainfall (mm)	12.1
Maximum temperature (°C)	21.0-26.0
Minimum temperature (°C)	14.0-18.0

Forecast (Upto 01.02.2024)
Given by Met.Centre,IMD,Bhubaneswar

DISTRICT: Bhadrak– As per IMD forecast, the district is likely to receive **Dry weather for 5 days** with Mainly clear to Partly Cloudy Sky. The wind speed is likely to remain within 06-15 km/h. The maximum temperature and minimum temperature will likely to remain 27-29°C and 14-17°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	28-01-2024	0	28	14	1	56	27	8	68
	29-01-2024	0	28	14	1	72	28	6	292
	30-01-2024	0	29	16	2	70	35	8	165
	31-01-2024	0	29	17	3	74	36	12	191
	01-02-2024	0	27	17	3	80	41	15	202

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

Agromet Advisory

Rice	<p>General Advisory-As per IMD,there may be possibility of dry weather for next 5 days so Farmers are advised to continue spraying operations & drain out excess water from low land for cultivation of rabi crops .</p> <ul style="list-style-type: none"> ❖ Make the storage godown clean and spray Lambda Cyhalothrin4.9CS@ 1.5ml/li. of water to minimize the chance of future infestation of storage pest. ❖ Prepare nursery and treated seed (2gm carbendazim or carboxin+ thiram per kg of seed) for summer rice.
Blackgram	<ul style="list-style-type: none"> ❖ Sow the blackgram 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"> ❖ The mustard crop is at the flowering stage. The rainfall received during the last week which results in higher humidity and lower temperature might aggravate Leaf Webber and Mustard sawfly infestation in mustard crop. To manage these 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. ❖ There are chances of aphid and painted bug infestation in mustard crop. During primary stage of infestation of Aphid and Painted Bug, spray Neem Based Pesticide 1500 PPM @ 600-ml/acre. To manage Aphids and Painted Bug chemically spray Thiomethoxam 25% W. G @ 40 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre or Imidacloprid 17.8% SL @ 60-ml acre by mixing in 200 litres of water.
Vegetables	<p>Cole Crops :</p> <ul style="list-style-type: none"> ❖ The transplanted cauliflower is at five to eight week stage in main field. Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. In later stage of crop. Water soaked, light brown to dark brown spots formed on the stem and branches may ultimately lead to the formation of cavities and a hollow stem. Curds may also show irregular water-soaked spots.

	<p>Which later change to a rusty brown colour. This may be controlled by application of borax @ 4-kg/acre as soil application during transplanting. If Borax was not applied during transplanting of seedlings than spray Borax @ 2.5-gram/litre or Folibor /Solubor @ 1.5 gram/litre. Spraying of Boron micronutrient should be done after two weeks of transplanting and two weeks before curd formation.</p> <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 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. ❖ 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.
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

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