



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



WeekNo.16

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District–Bhadrak (North-Eastern Coastal Plain Zone)

Weather Condition During Last Week at Bhadrak (10.04.2024 –16.04.2024)

Rainfall (mm)	0.0
Maximum temperature (°C)	31.0-41.0
Minimum temperature (°C)	22.0-26.0

Forecast (Upto 21.04.2024)
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 sky. The wind will blow southerly to south westerly in a speed within 16-21 km/h. The maximum temperature and minimum temperature will likely to remain 40-42°C and 27°C 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	17-04-2024	0	42	27	0	65	21	18	214
	18-04-2024	0	42	27	0	77	21	16	202
	19-04-2024	0	41	27	0	85	17	17	214
	20-04-2024	0	42	27	0	85	21	18	204
	21-04-2024	0	40	27	1	83	31	21	225

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

Crop and Livestock Specific Agromet Advisory

General Advisory	<ul style="list-style-type: none"> ➤ According to medium range weather forecast of IMD, MC, Bhubaneswar, Maximum temperature (Day Temperature) very likely to rise by 2 to 3°C over the district during next 5 days (mainly dry weather forecasted), farmers are advised to increase the frequency of irrigation at critical growth stages, irrigate only during the evening or early morning hours. ➤ For soil moisture conservation and avoid evaporation losses mulching practices should be followed. ➤ Avoid grazing of animal during noon hours in open place because there is a chance of increase in maximum temperature in upcoming days. ➤ To Enhance pollination in crops, provide 20% Boron @300gm/acre by mixing 200 l of water. ➤ 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. 	
Crop Name	Crop Stage	Agromet Advisory
Summer Rice	PI/Booting Stage	<ul style="list-style-type: none"> ❖ Maintain optimum moisture level at critical growth stages like PI & Flowering in paddy field because hot and humid weather condition is expected in upcoming days. ❖ If the rice crop is in PI stage, apply 35 kg Urea & 10 kg MOP/ha as final top dressing. ❖ 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. ❖ To manage Blast disease in paddy spray (Tebuconazole 50%+ Trifloxystrobin 25 % WG)@80g/acre recommended.
Sunflower	Flowering/ Maturity	<ul style="list-style-type: none"> ❖ Harvest the sunflower if the flower head is mature & dry it under sun. ❖ If the crop is in seed filling stage, adopt community approach to prevent the parrot menace.
Sugarcane	Vegetative stage	<ul style="list-style-type: none"> ❖ 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.
Greengram	Pod development	❖ In summer greengram for the management of pod borer complex spraying of Emamectin benzoate @80g per acre or profenophos @400 ml per acre is recommended.
Vegetables	Flowering/ Fruiting	❖ To control Fruit and shoot borer in Brinjal, Tomato & Okra 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 & Thiachloprid@250ml/l of water. ❖ 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. ❖ To control the little leaf in bitter guard & other viral diseases of cucurbits up root the infected plants & spray Flonicamid @60g/acre is recommended.
Fruit	Marble stage	Mango- ❖ If infestation of Mealy bug & Mango hopper incidence in mango observed ETL, to control these pests, Spraying of Thiamethoxam 0.4 g/l of water or Lambda Cyhalothrin 4.9CS @1.25 ml/l of water recommended.
Livestock		Under the prevailing hot & humid weather condition cattle & goat should be kept at shaded places & provide them cool, clean and pure water.

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