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WeekNo.08

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District-Bhadrak (North-Eastern Coastal Plain Zone)

Weather Condition During Last Week at Bhadrak (14.02.2024 –20.02.2024)

Rainfall (mm)	1.9
Maximum temperature (⁰ C)	30.0-33.0
Minimum temperature (⁰ C)	17.0-23.0

Forecast (Upto 25.02.2024)
Given by Met.Centre,IMD,Bhubaneswar

DISTRICT: Bhadrak– As per IMD forecast, the district is likely to receive **Dry weather for 2 days & light rain for 3 days** with clear sky to Generally Cloudy Sky. The wind speed is likely to remain within 13-22km/h. The maximum temperature and minimum temperature will likely to remain 31-35°C and 23-24°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	21-02-2024	0	35	23	0	75	25	16	243
	22-02-2024	0	35	23	2	67	22	22	207
	23-02-2024	5	33	24	6	79	35	21	207
	24-02-2024	15	32	24	7	79	35	15	191
	25-02-2024	10	31	24	7	82	42	13	45

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

Agromet Advisory

Rice	<p>Drain out excess water from paddy field & regular surveillance work should be taken up in all crops in order to know the incidence of various disease pests and initiate the control strategies.</p> <ul style="list-style-type: none">❖ Due to increased difference between daily maximum and minimum temperature favours the infestation of blast in main field as well as nursery. In-case of Leaf blast infestation, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 80 g/acre in 200 litres of water. Repeat the spray at 7-10 days' interval. If infestation of Thrips is noticed in rice, spray Azadirachtin 0.15% neem seed kernel based EC formulation @ 800 ml/acre or Lambda-cyhalothrin 5 % EC @ 200 ml/acre.❖ Utilising the available water (Rainfall/Irrigation) puddle the land & complete the transplanting of summer rice with basal application of 35 kg DAP,20 kg MOP &10 kg ZnSO4 /acre.
Sugarcane	<ul style="list-style-type: none">❖ Collect setts from the whole cane of a 6–8–monthold plant crop free from diseases and insect pests. Select the upper 1/3rd of cane if seeds are collected from 8-12-month-old crop for better sprouting. Do not use seeds of ratoon crops. Sugarcane Sett treatment is a necessary procedure before planting.❖ Sett Rot management -To manage sett rot disease after planting basal drenching with Carbendazim 12% + Mancozeb 63% @ 400-gram/acre or foliar spray with Metalaxyl 8% + Mancozeb 64% WP @ 400-gram/acre by mixing in 200-litre of water.❖ In Ratoon crop of sugarcane remove the disease & pest infected plants and dispose the grassy shoot infected plant followed by recommended fertilizer application & spraying of Fipronil 5 Sc @2ml/l of water recommended.❖ After harvesting of Sugarcane, to protect the cane hips from termite attack, spray Bifenthrin @ 30 ml in 15 liter of water.
Blackgram	<ul style="list-style-type: none">❖ To reduce incidence of Powdery mildew, Anthracnose & Stem rot inblackgram spraying of (Tebuconazole + Sulphur) @500g/acre recommended.❖ To control aphids during primary stage of pest infestation spray Neem Based Pesticide (Azadirachtin) 1500 PPM @ 600 ml/acre. Then spray Thiamethoxam 25% W.G @ 40 gram/acre

	or Acetamiprid 20% S.P. @ 50 17.8% SL @ 60-ml/acre or Imidacloprid by mixing in 200 litres of water.
Rapeseed & Mustard	<ul style="list-style-type: none"> ❖ The mustard/Toria crop is at the flowering to pod filling stage. Aphids in Mustard and Toria can be controlled by spraying Dimethoate 30% EC @ 2 ml/lit. ❖ To control Mustard Sawfly, Leaf Webber and Tobacco Caterpillar infestation in mustard crop at early stage spray Neem-based pesticide (Neem Oil 1500 PPM) @ 600-ml/acre by mixing in 200-litre of water. Spraying of Insecticide should be done at the afternoon hours to protect the honeybees & other beneficial insects.
Vegetables	<p>Cucurbits:</p> <ul style="list-style-type: none"> ❖ Spraying Of Acephate @250g/acre along with neem oil formulation 600ml/acre to minimize damage caused by Red Pumpkin Beetle in cucurbits. ❖ To manage Epilachna Beetle in cucumber, spray neem-based pesticide (Neem Oil 1500 PPM) Azadiractin @ 600 ml/acre of water at early stage of infestation. To manage Epilachna Beetle chemically spray Chlorpyrifos 20 % EC @ 400ml/acre or Profenophos 50 % EC @400ml/acre by mixing with 200 litre of water. <p>Tomato & Brinjal:</p> <ul style="list-style-type: none"> ❖ Farmers should start sowing of tomato seed for summer cultivation in nursery bed because prevailing temperature suitable for germination of seed. ❖ 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.
Pisciculture	<ul style="list-style-type: none"> ❖ Small white rash appear on the body of fish and feels rough to hand are the symptoms of white spot disease in fish. Excessive mucus secret from fish body. To treat this disease in fish bath affected fish for 5 minutes in the 200 litre water which is mix with 500gram of salt, then release to the pond. This procedure continues for 7-10 days.
Animal Science	<ul style="list-style-type: none"> ❖ 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.

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