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Ranital, Bhadrak, - 756111

WeekNo.51

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Dt.-19.12.2023

District-Bhadrak (North-East Coastal Plain Zone)

Weather Condition During Last Week at Bhadrak (13.12.2023 –19.12.2023)

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|---------------------------------------|-----------|
| Rainfall (mm) | 0.0 |
| Maximum temperature (⁰ C) | 26.0-28.0 |
| Minimum temperature (⁰ C) | 13.0-15.0 |

Forecast (Upto 24.12.2023)
Given by Met.Centre,IMD,Bhubaneswar

DISTRICT: Bhadrak– As per IMD forecast, the district is likely to receive **Dry weather for 5 days** with Clear sky to Partly Cloudy sky. The wind speed is likely to remain within 08-12 km/h. The maximum temperature and minimum temperature will likely to remain 27-29°C and 13-16°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 | 20-12-2023 | 0 | 27 | 14 | 0 | 45 | 27 | 12 | 63 |
| | 21-12-2023 | 0 | 27 | 14 | 0 | 46 | 26 | 10 | 22 |
| | 22-12-2023 | 0 | 27 | 13 | 3 | 47 | 28 | 8 | 0 |
| | 23-12-2023 | 0 | 28 | 14 | 2 | 55 | 27 | 8 | 105 |
| | 24-12-2023 | 0 | 29 | 16 | 2 | 53 | 28 | 8 | 90 |

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

Agromet Advisory

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| Kharif 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 threshing floor and storage godown clean and and spray Lambda Cyahalothrin 4.9CS@ 1.5ml/li. of water to minimize the chance of future infestation of storage pest. |
| Blackgram | <ul style="list-style-type: none">❖ In the shallow low land areas sowing of local blackgram as paira crop should be completed.❖ 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. |
| Rapeseed and Mustard | <ul style="list-style-type: none">❖ Taking the advantage of store soil moisture, land preparation and sowing of the crop should be completed soon to get optimum yield.❖ Suitable varieties: Toria- Sushree Indian mustard- NRCHB 101, JD 6, Sampoorna❖ Seed rate- 8-10 Kg/ha, Spacing- 30 cm X 10 cm❖ Fertilizer dose: Toria @60:30:30 N-P2O5-K2O Kg/ha Mustard@80:40:40 N-P2O5-K2O Kg/ha 50%N and all P2O5 and K2O fertilizers should be applied as basal.❖ Application of Bentonite Sulphur @30kg/ha for increasing the oil content .Otherwise select Grommer (20:20:0:13) and MOP as a source of N,P,K & S.❖ Thinning should be carried out before top dressing to maintain optimum plant population. |
| Vegetables | <ul style="list-style-type: none">❖ To prevent from wilting or partial wilting in brinjal and tomato apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.❖ In case of solanaceous vegetable avoid excess irrigation to prevent the occurrence and spreading of wilting disease.If wilting is noticed uproot the plants, expose the soil to sunlight and spray Tebuconazole @200ml along with Plantomycin @ 200 g/acre. |

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| | <ul style="list-style-type: none"> ❖ 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. ❖ To control leaf eating caterpillar and fruit borer in winter vegetables like Brinjal, Cole crops, Chilly & tomato apply 0.5 g Emamectin benzoate or 0.4 ml Spinosad per liter of water. |
| | <ul style="list-style-type: none"> ❖ Legume Vegetables- Cowpea, Beans, Runner bean To protect the crop from flea beetle and other foliage feeder spray Neem oil 1500 PPM @ 3ml/li. of water or spinosad 0.4 ml/lit of water recommended. ❖ For Minimizing the spread of viral diseases like Cowpea Mosaic virus, Install yellow sticky trap, spray Neem based formulation 1500 ppm @ 3 ml/ lit of H₂O and need based application of Acetamiprid @ 0.4g/lit of water recommended. |
| Cole Crops | <ul style="list-style-type: none"> ❖ To prevent collar rot of cole crops Spraying of (Metalxyl + Mancozeb) or (Cymaxoniil+Mancozeb) @ 2g /lit of water 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. ❖ Avoid Growing of crops like – Okra, Cowpea in the near vicinity of papaya crops. ❖ Coconut- ❖ Monitor the activity and infestation level of Red Palm Weevil and Rhinoceros Beetle. Spraying of Lambda Cyhalothrin @1.25ml/lit. of water in the manure pits adjoining to coconut plantation recommended. ❖ To reduce the incidence of Leaf blight in newly planted coconut saplings spraying of Metalaxyl+ 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"> ➤ If the animals have not yet been vaccinated against FMD, Haemorrhagic Septicaemia, Black Quarter, Enterotoxemia etc., these must be done. ➤ Due care should be taken to store/procure fodder for periods of shortage that may occur during the winter months in certain areas. Perennial grasses must be cut at this time. ➤ 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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