



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

WeekNo.50

No.-100 (Eng.Bulletin)
Dt.-15.12.2023

District-Balasore (North-East Coastal Plain Zone)

Weather Condition During Last Week at Balasore (09.12.2023 –15.12.2023)

Rainfall (mm)	0.0
Maximum temperature (⁰ C)	26.0-29.0
Minimum temperature (⁰ C)	11.0-21.0

Forecast (Upto 20.12.2023)
Given by Met. Centre,IMD,Bhubaneswar

DISTRICT: Balasore– 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 09-13 km/h. The maximum temperature and minimum temperature will likely to remain 27-28°C and 12-14°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)
BALASORE	16-12-2023	0	27	12	0	48	29	10	101
	17-12-2023	0	27	13	0	49	30	9	90
	18-12-2023	0	28	14	1	50	30	9	112
	19-12-2023	0	28	12	2	48	31	10	120
	20-12-2023	0	28	12	3	44	27	13	116

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

Agromet Advisory

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.❖ Provide bamboo or wooden stake for better fruit set and growth of Tomato plants.

	<ul style="list-style-type: none"> ❖ 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 Metalxyl+ 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.

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>)