



**GRAMIN KRISHI MAUSAM SEWA
INDIAN METEOROLOGICAL DEPARTMENT**

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AGRO ADVISORY BULLETIN

Friday/03.02.2023

Weather Condition During Last Week at Balasore (01.02.2023 –05.02.2023)

Rainfall (mm)	0.0
Maximum temperature (⁰ C)	30.0-31.0
Minimum temperature (⁰ C)	13.0-16.0

BALASORE

Forecasting (Up to 08.02.2023): According to IMD, Bhubaneswar the sky will remain Mainly Cloudy on 04.02.2023 till clear on 05.02.2023 to 08.02.2023 . The Districts may experience dry weather during these five days. Wind will blow from South-Westerly on Saturday, Tuesday, Wednesday Southerly on Sunday Easterly on Monday at a speed of 08.0 to 11.0 km/h. The maximum temperature may vary between 29-30⁰C and will increase to 30.0⁰C from 29.0⁰C by Wednesday. The minimum temperature may vary between 13-15⁰C and increase to 15.0⁰ C from 13.0⁰ C by Wednesday. The maximum relative humidity will range from 33 to 67 % while the minimum from 20 to 27 % during this period.

Agromet Advisory

Summer rice	<ul style="list-style-type: none">❖ Prepare the main field and start transplanting with 1 week old seedlings. In medium duration paddy varieties apply 35kg DAP with 13kg MOP per acre before transplanting.
Rapeseed and Mustard	<ul style="list-style-type: none">❖ Prevailing fog condition and gradual increase in temperature may increase the infestation aphid. To control aphid need based spraying of neem oil formulation 600 ml per acre @ 3ml/ lit water or Flonicamid 60g per acre @ 0.3g/lit water is recommended. Spraying of pesticides to be done after 3 pm to protect the honey bee.❖ To control saw fly and cabbage webber in mustard apply neem based formulation or make foliar spray of profenophos 400ml per acre @ 2 ml per liter of water.
Groundnut	<ul style="list-style-type: none">❖ Need based spraying and drenching with (carbendazim + mancozeb) or(metaloxyl + mancozeb) 400g per acre @ 2gm/lit of water to protect the crop from collar rot, stem rot and tikka disease.❖ If leaf miner and leaf eating caterpillar attacks the crop apply Fipronil 5 SC 400ml per acre @2 ml per liter of water.❖ White grub infestation in groundnut can be minimized by drenching Chloropyriphous 1.2 L per acre @ 6ml/lit of water or Imidacloprid 30.5 sc 200 ml per acre @ 1ml/lit of water at the plant base.
Summer Pulse crops	<ul style="list-style-type: none">❖ After harvesting of paddy in medium land, it is ideal time for land preparation for sowing pulses like green gram, black gram and pea.❖ Sow the seeds after treating with Carboxin+Thiram @ 2gm/kg of seed.❖ Treat the seed with specific Rhizobium culture after 7 days of above insecticide treatment before sowing. Mix 400g culture with 3g Ammonium molybdate & 800 ml water for 10 kg of seed.❖ White fly may infest Green gram and Black gram during this period to control white fly and other sucking pest spray Imidacloprid 0.25/li of wate.❖ Seed rate: Green gram and Black gram: 10-12 kg/acre. Pea-20 kg/acre. Fertilizer dose: 8-16-8 kg N-P₂O₅-K₂O/ha

Vegetables	<ul style="list-style-type: none"> ❖ To control the sucking pests (Thrips, aphid, White flies) in vegetables spray Difenthiuron 50 WP 200 gm/acre @ 1g/L water. ❖ To prevent from wilting or partial wilting in brinjal and tomato apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter. ❖ To control leaf eating caterpillar and fruit borer in winter vegetables like Brinjal, Cauliflower, Cabbage, Chilly & tomato apply 80g Emamectin benzoate or Spinosad @ @ 0.4 g per liter of water. ❖ For leaf blight, leaf spot and downy mildew problem in pointed gourd apply 400 gram (Metalaxyl + Mancozeb) or 300 gram Chlorothalonil or 160 gram Azoxystrobin mixing in 200 liter water per acre. ❖ The weather is suitable for application of fertilizer to <i>rabi</i> vegetables which are at 3 to 4 weeks stage. ❖ After weeding, apply 44 kg urea per acre in Tomato at 15 to 20 days after planting and irrigate the crop.
Pisciculture	<ul style="list-style-type: none"> ❖ In the prevailing winter, 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. ❖ 10% extra dry matter should be provided over and above the total requirement to fulfill the extra energy requirement in winter.

N.B.- Use Meghdoot mobile application for location specific weather and agro-advisory.

**Sd/-
Nodal Officer & Assoc. Director of Research**

