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AGRO ADVISORY BULLETIN

Friday/03.02.2023

Weather Condition During Last Week at Bhadrak (01.02.2023 –05.01.2023)

Rainfall (mm)	0.0
Maximum temperature (⁰ C)	28.0-31.0
Minimum temperature (⁰ C)	15.0-19.0

BHADRAK

Forecasting (Up to 08.02.2023): According to IMD, Bhubaneswar the sky will remain Mainly Cloudy on 04.02.2023, 05.02.2023 till clear on 06.02.2023 to 08.02.2023. The Districts may experience dry weather during these five days. Wind will blow from Southerly on Saturday, Sunday Easterly on Monday South-Westerly on Tuesday, Wednesday at a speed of 08.0 to 09.0 km/h. The maximum temperature may vary between 29-31⁰C and will increase to 31.0⁰C from 29.0⁰C by Wednesday. The minimum temperature may vary between 15-17⁰C and increase to 17.0⁰ C from 15.0⁰ C by Wednesday. The maximum relative humidity will range from 45 to 83 % while the minimum from 18 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 watet.❖ Seed rate: Green gram and Black gram: 10-12 kg/acre. Pea-20 kg/acre. Fertilizer dose: 8-16-8 kg N-P₂O₅-K₂O/h.

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**

