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**Orissa University of Agriculture and Technology**  
**Regional Research & Technology Transfer Station (RRTS)**  
**Bhawanipatna, Kalahandi – 766001**



**Bulletin No.21/2024** **WEEK NO. 11** **Tuesday/Dt.12.03.2024**

**Weather Forecast from 13.03.2024 to 17.03.2024 for Nuapada District:**

DISTRICT	Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
NUAPADA	13-03-2024	0	35	23	0	34	15	9	261
	14-03-2024	0	35	23	0	40	12	12	257
	15-03-2024	0	37	24	0	29	14	8	248
	16-03-2024	0	33	22	8	27	10	5	210
	17-03-2024	5	33	21	8	52	15	8	202

**For further information, contact the IMD, Bhubaneswar, Tel.#0674-2596116**

**Weather Summary/Alert:**

According to IMD forecast dry weather is very likely to prevail in next four days and light rainfall may occur on 17.03.2024 (Sunday). Sky may remain overcast from 16 - 17<sup>th</sup> of March. Wind may blow from South Westerly to Westerly direction with the speed of 005 to 012 km/hr. The maximum and minimum temperature may remain 33 to 37 °C and 21 to 24 °C respectively. Maximum RH is expected to vary between 27 – 52 % and minimum RH between 10 – 15 %.

**Warning:**

**Agromet – Advisory Bulletin for Nuapada District**

**General Advisory:**

- Light rainfall is in the forecast on 17<sup>th</sup> of this month. So, farmers are advised to plan for applying plant protection chemicals & irrigation as per the weather forecast by IMD.
- Apply balanced and appropriate fertilizers according to crop’s growth stage followed by irrigation.
- Rising in temperature favors multiplication of insect population. So, regular monitoring of crop field is advisable for incidence of insects and diseases.
- Keeping in view of rising day temperature, farmers are advised to do transplanting of seedlings at evening hours.
- Keep your crop field free from weed as it helps in spreading of insects and diseases. Farmers are advised to do mulching in vegetables to control weed population.
- Keeping in view of rising day temperature, keep livestock inside shade. If the shade is built by RCC roof, then spreading of straw over the roof is advisable along with provision of clean water during day time to keep them hydrated.
- Vaccinate animals against FMD, BQ, HS, PPR & Goat Pox in regular interval.

<b>SMS Advisory</b>	Farmers are advised to use biopesticides for plant protection purpose at initial stage of infestation.
<b>Crop and Livestock Specific Advisory:</b>	
<b>Crop (Stage)</b>	<b>Advisory</b>
<b>Summer Paddy (Tillering Stage)</b>	<p><b>Disease and Insect Management:</b></p> <ul style="list-style-type: none"> <li>▪ <b>Blast:</b> If infestation of blast disease is noticed in direct seeded rice, spray Carbendazim 50 WP @ 1g/ ltr of water or Trifloxystrobin 25% + Tebuconazole 50% @ 4 g /10 ltrs of water or Edifenphos 50 EC @ 1 ml/ltr of water.</li> <li>▪ <b>Stem borer/Leaf folder:</b> Apply nitrogenous fertilizer cautiously to avoid heavy infestation of stem borer. Collect and destroy egg masses of stem borer where ever possible. Install 3 pheromone traps with 5mg lure/acre in the rice field for monitoring of the yellow stem borer and leaf folder just after the transplanting. Whenever the number of male moths/trap reaches 4 or 5, spray Azadiractin 0.15% neem seed kernel-based EC formulation @ 4 ml/ltrs of water or apply Cartap hydrochloride 4G @ 10 kg/acre mixing with sand at 1:1 ratio or spray Chlorantranilprole 18.5% SC @ 3ml or Flubendiamide 39.35% M/M SC @ 1ml by mixing with 10 liters of water.</li> <li>▪ <b>Brown spot:</b> If infestation of brown spot is noticed, spray Propiconazole 25% EC @ 1 ml or Carbendazim 12% + Mancozeb 63% @ 2.5 g by mixing with one liter of water.</li> </ul>
<b>Green gram/Black gram (Flowering/Fruiting/ Maturity)</b>	<p><b>Disease and Insect Management:</b></p> <ul style="list-style-type: none"> <li>▪ <b>Yellow Mosaic Virus/Jassids/Aphid/Thrips:</b> If infection of YMV is noticed, then infected plants should be up rooted and buried in the soil. Installation of yellow sticky trap @ 8/acre to control sucking pests complex and blue sticky trap @ 8/acre for monitoring thrips at vegetative stage is recommended. Spray Thiomethoxam 25 WG @ 1g/ 5 ltr or Imidacloprid 17.8% SL @ 1.5 ml/ 5 ltr of water to control</li> </ul>



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	<p>by chemical method.</p> <ul style="list-style-type: none"> <li>▪ <b>Powdery mildew:</b> Spray Carbendazim 50% WP @ 1g/ltr or Penconazole 10% EC @ 0.5ml/ltr of water.</li> <li>▪ <b>Pod borer:</b> Spray Flubendiamide 39.35% M/M SC @ 2 ml or Thiodicarb 75 % WP @ 15 ml or Profenophos 50% EC @ 20 ml by mixing with 10 liters of water.</li> </ul>
<b>Groundnut</b> (Vegetative/Flowering)	<p><b>Disease &amp; Insect Management:</b></p> <ul style="list-style-type: none"> <li>▪ <b>Aphid/Jassids/White fly/Thrips:</b> Install yellow sticky trap @ 8/acre to monitor sucking pests complex and blue sticky trap @ 8/acre for monitoring thrips at vegetative stage.</li> <li>▪ <b>Tobacco Caterpillar:</b> To monitor effectively install pheromone trap (Spodo lure) @ 8 no./ac at vegetative stage and replace the lure after 3 weeks.</li> <li>▪ <b>Tikka:</b> Spray Mancozeb 75% WP @ 3g/lit or Tebuconazole 29.5% EC @ 1.0 ml/lit or Carbendazim 50% WP @ 2g/ltr of water if tikka disease is noticed.</li> </ul>
<b>Hybrid Maize</b> (Vegetative/Flowering/ Fruiting)	<p><b>Insect Management:</b></p> <ul style="list-style-type: none"> <li>▪ <b>Stem Borer:</b> For effective control of stem borer spray Fipronil 5% SC or Profenophos 50% EC @ 2ml/ltr of water.</li> <li>▪ <b>FAW:</b> Apply Emamectin Benzoate 5% SG @ 2 ml/ 5 ltr of water to control FAW infestation.</li> </ul>
<b>Tomato</b> (Flowering/Fruiting)	<p><b>Disease and Insect Management:</b></p> <ul style="list-style-type: none"> <li>▪ <b>Fruit &amp; Shoot borer:</b> Spray Chlorantraniliprole 18.5% SC @ 3ml or Cyntraniliprole 10.26% OD @ 18 ml or Indoxacarb 14.5% SC @ 10 ml by mixing with 10 liters of water.</li> <li>▪ <b>Leaf blight:</b> Spray Copper oxychloride 50% WP @ 3g /ltr of water.</li> </ul>
<b>Chilli</b> (Vegetative/Flowering/ Fruiting)	<p><b>Disease and Insect Management:</b></p> <ul style="list-style-type: none"> <li>▪ <b>Thrips:</b> To manage thrips infestation install Blue sticky trap @ 8 nos./acre. For chemical control spray Emamectin Benzoate 5% SG @ 2 g or Fipronil 5% SC @ 10 ml or Imidacloprid 17.8% SL 1.5 ml by mixing with 5 ltrs of water.</li> <li>▪ <b>Fruit Borer:</b> Install pheromone trap @ 8 nos./ac with Heli lure at vegetative stage and replace the lure after weeks.</li> </ul>
<b>Brinjal</b> (Vegetative/Flowering/ Fruiting)	<p><b>Insect Management:</b></p> <ul style="list-style-type: none"> <li>▪ <b>Fruit and Shoot borer:</b> Install pheromone trap/Wata trap @ 8 nos. per acre area at vegetative stage and replace lure after 3 weeks. To control chemically, spray Spinosad 45% SC @ 5.5 ml by mixing with 15 liters of water or Thiodicarb 75 % WP @ 2ml/ltr of water.</li> </ul>
<b>Onion</b> (Vegetative)	<p><b>Disease and Insect Management:</b></p> <ul style="list-style-type: none"> <li>▪ <b>Purple blotch:</b> Spray Difenconazole 25% EC or Tebuconazole 25.9% EC or Kitazin 48% EC @ 1g/ltr of water.</li> <li>▪ <b>Thrips:</b> Install blue sticky trap @ 8/ acre at vegetative stage. For chemical control, spray Thiomethoxam 25 WG @ 1g/ 5 liters of water or Acetamiprid 20% SP @ 1g/ 4 liters of water.</li> </ul>
<b>Livestock</b>	
<b>Cattle &amp; Buffalo</b>	<ul style="list-style-type: none"> <li>▪ It is beneficial to add 5-10 % of fat in the diet of high yielding (10-15 ltr) cattle by reducing the fiber in the ration and add antioxidant like vitamin A &amp; E in the diet. Sprinkle water over dairy cattle &amp; buffalo twice or thrice a day to reduce their body temperature.</li> </ul>
<b>Goat &amp; Sheep</b>	<ul style="list-style-type: none"> <li>▪ Allow the goats &amp; sheeps to graze only from 7-11 AM in the morning &amp; 4-7 PM in the evening.</li> </ul>
<b>Poultry</b>	<ul style="list-style-type: none"> <li>▪ Keep the curtains of poultry shed close during day time. If required, sprinkle water over them during day time for cooling effect.</li> </ul>

**Nodal Officer**  
**GKMS, RRTTS, Bhawanipatna**

N.B.: - Kindly download and use the “MAUSAM” App for location-specific forecast and warning, “Meghdoot” App for Agromet advisory and “Damini” App for Lightning warning. 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 & VermiCompost and Farm Implements).

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