



**GRAMIN KRISHI MAUSAM SEWA**  
**India Meteorological Department**  
**Orissa University of Agriculture and Technology**  
**Regional Research & Technology Transfer Station (RRTTS)**  
**Bhawanipatna, Kalahandi – 766001**



**Bulletin No.27/2024** **WEEK NO. 14** **Tuesday/Dt.02.04.2024**

**Weather Conditions recorded in last week at AMFU Bhawanipatna:**

Weekly Rainfall (mm) and rainy days	0.0/00
Cumulative Rainfall (mm) and rainy day (w.e.f. 01.01.2024)	39.6/02
Mean weekly maximum temperature (°C)	38.6
Mean weekly minimum temperature (°C)	24.0

**Weather Forecast for 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)
KALAHANDI	03-04-2024	0	41	25	2	42	12	9	210
	04-04-2024	0	41	26	2	48	10	8	210
	05-04-2024	0	42	26	2	49	18	11	216
	06-04-2024	0	42	27	2	39	14	9	225
	07-04-2024	0	43	27	3	27	12	7	248

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

**Weather Summery/Alert:**

According to IMD forecast dry and hot weather is very likely to prevail in next five days period. Sky may remain mainly clear and wind may blow from South Westerly direction with the speed of 008 to 011 km/hr. The maximum and minimum temperature may remain 41 to 43 °C and 25 to 27 °C respectively. Maximum RH is expected to vary between 27 – 49 % and minimum RH between 10 – 18 %.

**Warning:** Day temperature as well as night temperature is likely to increase by 2-3 °C during next week.

**Agromet – Advisory Bulletin for Kalahandi District**

**General Advisory:**

- Keeping in view of hot and dry weather during next five days, farmers are advised to harvest the matured crops.
- Considering the maximum temperature (41-43 °C) in coming week, farmers are advised to be vigilant for incidence of insects and diseases.
- Under prevailing weather condition farmers are advised to irrigate the standing vegetables to avoid moisture stress condition and undertake residual mulching in standing crops to reduce evaporation loss.
- Keep your crop field free from weed as it helps in spreading of insects and diseases.
- As the day temperature is rising, 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 sufficient clean water during day time to keep them hydrated.

<b>SMS Advisory</b>	Farmers are advised to initiate summer ploughing with available soil moisture to reduce pest incidence in crop fields.
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**Crop and Livestock Specific Advisory:**

Crop (Stage)	Advisory
<b>Summer Paddy (Panicle initiation/Flowering)</b>	<p><b>Nutrient Management:</b></p> <ul style="list-style-type: none"> <li>Apply Urea @ 35 kg/ac + MOP @ 11kg/ac in transplanted paddy and Urea @ 22 kg/ac + MOP @ 11kg/ac in wet direct seeded paddy at panicle initiation stage.</li> </ul> <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>Bacterial blight:</b> In case of incidence of Bacterial blight apply Plantomycin @ 1g along with Copper oxychloride @ 2.5 g/liter 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. Whenever the number of male moths/traps reaches 4 or 5, apply Cartap hydrochloride 4G @ 10 kg/acre mixing with sand at 1:1 ratio or spray Chlorantraniliprole 18.5% SC @ 3ml or Flubendiamide 39.35% M/M SC @ 1ml by mixing with 10 liters of water.</li> </ul>



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<p><b>Green gram/Black gram</b> (Maturity/Harvest)</p>	<p><b>Post-Harvest Management:</b></p> <ul style="list-style-type: none"> <li>Pods should be harvested at 70-80 % of the pods are matured and that should be sundried to bring the moisture content up to 8-10 percent of the seed.</li> <li>Store the harvested produce in a safe place by mixing with Mustard oil @ 2ml/kg seeds to protect from stored grain pest.</li> <li>After harvesting of pods the plant should be mixed with the soil by ploughing, which enhances soil fertility.</li> </ul>
<p><b>Groundnut</b> (Pod Development/Pod Maturity)</p>	<ul style="list-style-type: none"> <li>If soil moisture is not available, provide a light irrigation just before harvest. It will help to remove matured pods from the soil easily.</li> <li>After uprooting, leave the pods along with plants for drying up to 5-7 days. It will improve the grain weight by supplementing preserved food in to the pods.</li> </ul> <p><b>Disease &amp; Insect Management:</b></p> <ul style="list-style-type: none"> <li><b>Leaf miner:</b> Due to rise in day temperature infestation of leaf miner may be seen. Spray Profenophos 50% EC @ 2ml/liter of water if infestation is observed.</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>
<p><b>Tomato</b> (Flowering/Fruiting/Maturity)</p>	<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 Cytraniliprole 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>
<p><b>Chilli</b> (Flowering/Fruiting/Maturity)</p>	<p><b>Disease and Insect Management:</b></p> <ul style="list-style-type: none"> <li><b>Thrips/ Leaf curl virus:</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>
<p><b>Brinjal</b> (Flowering/Fruiting/Maturity)</p>	<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>
<p><b>Onion</b> (Bulb Formation/Maturity)</p>	<ul style="list-style-type: none"> <li>Avoid moisture stress condition during bulb formation stage.</li> <li>Stop irrigating to the crop 15 days before harvest. Store the harvested onion in well-ventilated room to protect the crop from sprouting.</li> </ul> <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> Prevailing weather condition favors thrips infestation. 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>
<p><b>Livestock</b></p>	
<p><b>Cattle &amp; Buffalo</b></p>	<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>
<p><b>Goat &amp; Sheep</b></p>	<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>
<p><b>Poultry</b></p>	<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).

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>)