



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



**Bulletin No.04/2024**

**WEEK NO. 02**

**Friday/Dt.12.01.2024**

**Weather Forecast from 13.01.2024 to 17.01.2024 for Nuapada District:**

As per IMD forecast dry weather is very likely to prevail in next five days period. Sky may remain mostly clear and wind may blow mainly from Easterly to Westerly direction with the speed of 004 to 005 km/hr. The maximum and minimum temperature may remain 27 - 28 °C and 13 to 14 °C respectively. Maximum RH is expected to vary between 42 – 59 % and minimum RH between 24 – 31 %.

DISTRICT	Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
NUAPADA	13-01-2024	0	28	13	0	55	31	5	251
	14-01-2024	0	28	13	0	42	27	5	270
	15-01-2024	0	28	13	0	44	24	4	68
	16-01-2024	0	28	14	0	49	26	5	116
	17-01-2024	0	27	14	4	59	26	5	158

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

**Agromet – Advisory Bulletin for Nuapada District**

**General Advisory:**

- Keep your crop field free from weed to minimize the incidence of diseases and pests.
- Apply balanced and appropriate fertilizers according to crop’s growth stage.
- Regular monitoring of the crop for incidence of pest and diseases should be done and use light trap to monitor insect population so that timely control measure can be taken.
- Install yellow sticky trap @ 8/acre to monitor sucking pest like White fly, Aphids, Jassids & Thirps in vegetables at vegetative stage.
- Follow the safety measures during application of chemical pesticides and keep leftover pesticides in a safe place out of reach of small children and domestic animals.
- Always apply recommended dose of pesticide in correct method during morning or afternoon hours and pay attention to the wind direction during application.
- To control inflorescence rotting in Merigold spray Mancozeb 75% WP @ 2g or Carbendazim 50% WP @ 1g by mixing with one liter of water.

**Crop-Specific Advisory:**

**Dry Season Paddy:**

**Rice Nursery:**

- **Seed treatment:** Treat the seeds with 2g Carbendazim or 3g Carboxin or Thiram per 1kg of seed before sowing in the nursery.
- **Nutrient Management:** Apply 13-15 kg DAP and 10-12 kg MOP along with 200 kg of FYM and 200 g Zn per 10 decimal as basal dose for healthy production of seedlings.

**Insect & Disease Management:**

- **Stem borer:** Installation of pheromone traps with Scirpholure is recommended (at least 3 per nursery of 200 m2) if stem borer is noticed. When the number of male moths/trap reaches 4 or 5, broadcast granular insecticide Cartap hydrochloride 4G @ 10 kg/acre mixing with sand at 1:1 ratio or spray Chlorantraniliprole 18.5% SC @ 3 ml/10 liters of water.
- **Blast:** If blast infestation is noticed, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 4g or Isoprothiolane 40 EC @ 15 ml by mixing with 10 liters of water. Repeat the spray at 7-10 days’ interval.
- **Seedling blight:** If infestation seedling blight is noticed, spray Carbendazim 50% WP @ 2g/ltr of water.

**Groundnut:**

- **Seed Treatment:** Treat the seed with Carbendazim 25% + Mancozeb 50% WS @ 3-3.5 g/kg seed before sowing and with Rhizobium culture @ 500g or 250 ml per 25 kg of seed at the time of sowing. Sowing of seed should be done at afternoon hours.
- **Nutrient Management:** Apply 40 kg DAP, 25 kg MOP per acre before sowing along with Gypsum @ 1qt/ac as basal.
- **Weed Management:** Apply Imazethapyr 10% SL @ 3ml/ltr of water within 15 DAS.

**Arhar:**

**Insect & Disease Management:**

- **Pod Borer:** Apply Benfuracarb 40% EC @5ml/ltr or Deltamethrin 2.8% EC @1ml/ltr or Spinosad 45% SC @ 1.5 ml/5 ltrs or Flubendiamide 39.35% SC @ 1ml/5 ltrs of water.
- **Pod sucking bug and Aphid:** Spray Thiamethoxam 25% WG @ 1g/5ltr of water or Imidacloprid 17.8% SL @ 3ml/10 ltrs of water.
- **Root Rot:** Spray Validamycin 3% L @ 2ml/ltr of water or Carbendazim 50% WP @ 2g/ltr of water.



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**Sunflower:**

**Disease and Insect Management:**

- **Sucking pest complex (Aphid, Hopper, Thrips & White fly):** Need based spray of Acetamiprid @ 3g or Thiamethoxam @ 4g by mixing with 10 ltrs of water.
- **Capitulum Borer:** Spray *Bacillus thuringiensis* var kurstaki 5% WP @ 1.5 g/ltr of water.
- **Powdery mildew:** Spray Propiconazole 25% EC @ 1ml /ltr of water.
- **Head Rot:** Spray 0.4% Copper oxychloride 50% WP @ 3g/ltr of water.

**Vegetable:**

**Onion:**

- Currently *Kharif* Onion is at bulb development stage. So, farmers are advised to withdraw irrigation at least fifteen days before harvesting.
- *Rabi* Onion is at peak vegetative stage (45 DAS). So, hoeing, weeding and application of second top dressing (Urea @ 35 kg/ac + MOP @ 18kg/ac) should be done followed by earthing up and irrigation.

**Tomato:**

**Disease and Insect Management:**

- **Fruit & Shoot borer:** Install pheromone trap @ 2nos/acre or intercropping with one row Merigold in between every 15 rows of tomato. For chemical control, 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.
- **Leaf spot/Downy mildew/Powdery mildew:** Spray Azoxystrobin 4.8% + Chlorothalonil 40% SC @ 6g /ltr of water.
- **Wilting & Leaf blight:** Spray Carbendazim @ 1g /ltr + Plantomycin @ 1g/ltr at the root zone.

**Cauliflower & Cabbage:**

**Disease and Insect Management:**

- **Dimond back moth:** Spray Fipronil 5% SC @ 2ml/ltr or Chlorpyrifos 20% EC @ 4ml/ltr of water.
- **Tobacco leaf eating caterpillar:** Spray Cyantraniliprole 10.26% OD @ 6ml/5 ltr of water.
- **Cabbage Aphid:** Spray Thiamethoxam 25% WG @ 2g/5ltr of water.

**Brinjal:**

**Insect Management:**

- **Fruit and Shoot borer:** Install pheromone trap/Wata trap @ 8 nos. per acre area at vegetative stage and replace lure after 3 weeks. To control spray Spinosad 45% SC @ 5.5 ml by mixing with 15 liters of water or Thiodicarb 75 % WP @ 2ml/ltr of water.

**Livestock:**

- **Cattle & Buffalo:** Provide sufficient green grass. Lactating animals should be provided with concentrate mix for better production.
- **Poultry:** Make necessary arrangements to provide heat especially to chicks during night hours to reduce the mortality rate. Make proper brooding arrangement for chicks. Keep the poultry house clean and damp free.
- **Goat:** Protect from chill wind and damp floors in winters. Provide kid starter @ 50-100 g/day for better growth.

**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>)