



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



Bulletin No.02/2024

WEEK NO. 01

Friday/Dt.05.01.2024

Weather Conditions recorded in last week at AMFU Bhawanipatna:

Weekly Rainfall (mm) and rainy days	0/0
Cumulative Rainfall (mm) and rainy day (w.e.f. 01.01.2023)	1364.2/71
Mean weekly maximum temperature (⁰ C)	27.4
Mean weekly minimum temperature (⁰ C)	12.4

Weather Forecast from 06.01.2024 to 10.01.2024 for Kalahandi District:

As per IMD forecast dry weather is very likely to prevail in next five days period. Sky may remain clear to mainly clear and wind may blow mainly from South Easterly to Southerly direction with the speed of 004 to 006 km/hr. The maximum and minimum temperature may remain 27 to 29 ⁰C and 14 to 15 ⁰C respectively. Maximum RH is expected to vary between 63 – 73 % and minimum RH between 24 – 44 %.

DISTRICT	Date	Rainfall (mm)	T-MAX (⁰ C)	T-MIN (⁰ C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
KALAHANDI	06-01-2024	0	29	14	0	70	24	6	158
	07-01-2024	0	29	14	1	73	26	6	135
	08-01-2024	0	28	15	2	69	34	5	156
	09-01-2024	0	27	14	1	65	44	4	165
	10-01-2024	0	27	14	1	63	34	4	169

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

Agromet – Advisory Bulletin for Kalahandi District

General Advisory:

- Use light trap to monitor insect population. This causes less damage to useful insects.
- If symptoms of termite or white ants are appearing in crop fields than application of mixture of 8 kg sand with Chlorpyrifos 20 EC @ 800 ml should be done in evening hours and subsequent irrigation is recommended.
- Farmers are advised to undertake intercultural operations in vegetables to remove the weed. Application of optimum dose of fertilizers is recommended followed by irrigation in timely sown vegetables.
- Farmers are advised not to burn the residue of kharif paddy in the field rather try to incorporate into the soil by ploughing.
- To control Mealy bug infestation in Merigold spray Profenophos 50% EC or Buprofezin 25% SC @ 2ml per liter of water.
- Vaccinate animals against FMD, BQ, HS, PPR & Goat Pox.
- Interested farmers are advised to start selection of pond for pisciculture activity.

Crop-Specific Advisory:

Dry Season Paddy:

Transplanted Rice Nursery:

- **Seed treatment:** Treat the seeds with 2g Carbendazim or 3g Carboxin or Thiram per 1kg of seed before sowing in the nursery.
- **Nursery Care:** To protect the rice nursery from cold injury, apply a thin layer of well decomposed FYM after sowing of seeds in wet bed to keep the bed relatively warm. Preferably use bore well water for irrigation at evening and drain out the cold water at morning to maintain the soil temperature favourable for growth. In severe cold affected areas use polythene cover at night time.
- **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.

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.



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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.
- **Yellow Mosaic Virus:** Spray Imidacloprid 17.8% SL @ 1ml/3 ltr of water or Thiamethoxam 25% WG @ 1g/5 ltr of water.
- **Root Rot:** Spray Validamycin 3% L @ 2ml/ltr of water or Carbendazim 50% WP @ 2g/ltr of water.

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.
- **Powdery mildew:** Spray Propiconazole 25% EC @ 1ml /ltr of water.
- **Head Rot:** Spray 0.4% Copper oxychloride 50% WP @ 3g/ltr of water.

Vegetable:

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.

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 clamp free.
- **Goat:** Protect from chill wind and damp floors in winters.

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>)