



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



Bulletin No.15/2024 **WEEK NO. 08** **Tuesday/Dt.20.02.2024**

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. 01.01.2024)	2.2/0
Mean weekly maximum temperature (°C)	34.8
Mean weekly minimum temperature (°C)	18.8

Weather Forecast from 21.02.2024 to 25.02.2024 for Kalahandi District:

As per IMD forecast dry weather is very likely to prevail in next three days and very light to light rain may befall during subsequent two days. Sky may remain mainly clear to generally cloudy and wind may blow from Easterly to South Westerly direction with the speed of 007 to 011 km/hr. The maximum and minimum temperature may remain 34 to 37 °C and 22 to 23 °C respectively. Maximum RH is expected to vary between 46 – 61 % and minimum RH between 15 – 23 %.

DISTRICT	Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
KALAHANDI	21-02-2024	0	37	22	2	53	17	8	195
	22-02-2024	0	37	22	1	61	18	11	225
	23-02-2024	0	36	23	3	58	23	11	207
	24-02-2024	5	34	23	6	46	20	7	162
	25-02-2024	2	35	23	5	57	15	7	90

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

Agromet – Advisory Bulletin for Kalahandi District

General Advisory:

- Regular monitoring of the crop for incidence of pest and diseases should be done & keep your crop field free from weed.
- Apply balanced and appropriate fertilizers according to crop’s growth stage followed by irrigation.
- Early sown crops like green gram, black gram, chick pea, groundnut, field pea, maize etc. are at flowering stage. So, farmers are advised to provide necessary irrigation at this stage to avoid water stress condition.
- To control Mealybug infestation in Mango spray Profenophos 50% EC @ 2ml/ltr of water.
- To control Powdery mildew disease in Rose spray Carbendazim 50% WP @ 1.5 g/ltr of water.
- To control inflorescence rotting in Merigold spray Mancozeb 75% WP @ 2g or Carbendazim 50% WP @ 1g by mixing with one liter of water.
- Vaccinate animals against FMD, BQ, HS, PPR & Goat Pox in regular interval.

Crop-Specific Advisory:

Summer Paddy:

Weed Management:

- Apply granular herbicide Bensulfuron-methyl + Pretilachlor @ 4 kg/ acre at 5-8 days after transplanting by mixing with equal quantity of sand and broadcast it uniformly in the field or spray Pyrazosulfuron-ethyl 10 WP @ 5 g/10 ltrs of water at 3-5 days after transplanting or spray Bispyribac sodium @ 8 ml by mixing with 10 liters of water at 10-15 DAT.

Nutrient Management:

- In direct seeded rice apply urea @ 24 kg /acre as fist top dressing at 20-25 DAS.
- Prepare the main field for timely transplanting. Apply DAP 44 kg + MOP 22 kg per acre as basal dose during final puddling.

Disease and Insect Management:

- 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.
- In bacterial blight endemic areas, dip the seedling roots in 0.1% Plantomycin solution before transplanting for 30 minutes.
- 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/ltr of water or apply Cartap hydrochloride 4G @ 10 kg/acre mixing with sand at 1:1 ratio.



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Green gram/Black gram:

- **Water management:** Now the crop is at flowering stage. So flowering and grain filling stages are critical for green and black gram and water stress must be avoided during this period.

Disease and Insect Management:

- **Yellow Mosaic Virus/Jassids/Aphid/Thrips:** 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 by chemical method.
- **Powdery mildew:** Spray Carbendazim 50% WP @ 1g/ltr or Penconazole 10% EC @ 0.5ml/ltr of water.

Groundnut:

Disease & Insect Management:

- **Aphid/Jassids/White fly/Thrips:** Install yellow sticky trap @ 8/acre to monitor sucking pests complex and blue sticky trap @ 8/acre for monitoring thrips at vegetative stage.
- **Tobacco Caterpillar:** To monitor effectively install pheromone trap (Spodo lure) @ 8 no./ac at vegetative stage and replace the lure after 3 weeks.

Hybrid Maize:

- **Weed Management:** Apply Tembotrione 34.4% SC @ 6ml or Topramezone 33.6% SC @ 1.5 g by mixing with 10 liters of water at 20-25 DAS for chemical control.
- **Nutrient Management:** Apply 75 kg urea as first top dressing at 20-25 DAS and 45 kg Urea + 20 kg MOP as second top dressing at 40-45 DAS.

Insect Management:

- **Aphid & Thrips:** Spray Thiomethoxam 25 WG @ 1g/ 5 ltr or Imidacloprid 17.8% SL @ 1.5 ml/ 5 ltr of water.
- **Stem Borer:** For effective control of stem borer spray Fipronil 5% SC or Profenophos 50% EC @ 2ml/ltr of water.
- **FAW:** Apply Emamectin Benzoate 5% SG @ 2 ml/ 5 ltr of water to control FAW infestation.

Vegetable:

Tomato:

Disease and Insect Management:

- **Fruit & Shoot borer:** Install pheromone trap @ 2nos/acre and for chemical control, 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.
- **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.

Chilli:

Disease and Insect Management:

- **Thrips:** 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.
- **Anthracnose:** To control anthracnose disease spray Azoxystrobin 8.3% + Mancoze 66.7% WG @ 3 g/lit or Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.5 g/lit 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 chemically, spray Spinosad 45% SC @ 5.5 ml by mixing with 15 liters of water or Thiodicarb 75 % WP @ 2ml/ltr of water.
- **White fly:** Install yellow sticky trap @ 8-10/acre or spray Neem Based Pesticide (Azadirachtin) 1500 PPM @ 3ml/ltr of water at initial stage of infestation.

Onion

Disease Management:

- **Purple blotch:** Spray Difenconazole 25% EC or Tebuconazole 25.9% EC or Kitazin 48% EC @ 1g/ltr of water.



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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:** Provide protection from damp floors. Supply 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).

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