



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



Bulletin No.11/2024

WEEK NO. 06

Tuesday/Dt.06.02.2024

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)	31.8
Mean weekly minimum temperature (°C)	17.1

Weather Forecast from 07.02.2024 to 11.02.2024 for Kalahandi District:

As per IMD forecast dry weather is very likely to prevail in coming four days and light rain may befall on Sunday. Sky may remain clear to partly cloudy and wind may blow mainly from Easterly to South Westerly direction with the speed of 006 to 008 km/hr. The maximum and minimum temperature may remain 29 to 35 °C and 17 to 20 °C respectively. Maximum RH is expected to vary between 59 – 82 % and minimum RH between 16 – 24 %.

DISTRICT	Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
KALAHANDI	07-02-2024	0	35	20	1	57	24	7	225
	08-02-2024	0	34	18	0	59	22	7	116
	09-02-2024	0	33	18	0	57	21	7	112
	10-02-2024	0	31	17	1	82	16	6	112
	11-02-2024	5	29	19	4	59	21	8	110

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

Agromet – Advisory Bulletin for Kalahandi District

General Advisory:

- Always apply recommended dose of fertilizers according to the soil test report and recommended dose of pesticide in correct method during morning or evening hours and pay attention to the wind direction during application.
- Farmers are advised to install “T” shaped bird perches in and around crop field like Chickpea, Green gram, Groundnut and vegetables for controlling insect population.
- Install pheromone trap @ 3-4/acre for monitoring borer insect in vegetables like brinjal, cauliflower, cabbage, tomato etc
- To control black spot disease in Rose spray Copper Oxy-chloride 50% WP @ 3g/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.

Crop-Specific Advisory:

Summer Paddy:

- Prepare the main field for timely transplanting. Apply DAP 44 kg + MOP 22 kg per acre as basal dose during final puddling.
- Transplant 3–4-week-old seedlings in well puddled soil at a spacing of 15 cm ×15 cm with 3-4 seedlings per hill at shallow depth.
- In bacterial blight endemic areas, dip the seedling roots in 0.1% Plantomycin solution before transplanting for 30 minutes.
- 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.

Green gram/Black gram:

- **Weed Management:** Apply Imazethapyr 10% SL @ 3ml/ 10 ltrs of water or Imazethapyr 35 % + Imazamox 35% SL @ 1ml/5 ltrs of water at 15-20 DAS.

Disease and Insect Management:

- **Yellow Mosaic Virus:** 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 at vegetative stage is recommended to monitor the vector of YMV effectively.

Groundnut:



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Disease & Insect Management:

- **Aphid/Jassids/White fly:** Install yellow sticky trap @ 8/acre to monitor at vegetative stage.
- **Thrips:** Install blue sticky trap @ 8/acre to monitor 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.

Sunflower:

Disease and Insect Management:

- **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:

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 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 Chlorpyriphos 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:

- Infestation of thrips and anthracnose has been noticed. Plants are affected by thrips if leaves curl upward. Water soaked circular or angular lesions on fruits are seen in case of Anthracnose infestation.
- **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 liters 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.

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).

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