



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



Bulletin No.14/2024

WEEK NO. 07

Friday/Dt.16.02.2024

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)	32.7
Mean weekly minimum temperature (°C)	17.0

Weather Forecast from 17.02.2024 to 21.02.2024 for Kalahandi District:

As per IMD forecast dry weather is very likely to prevail in next five days period. Sky may remain mainly clear to partly cloudy and wind may blow from Southerly direction with the speed of 006 to 008 km/hr. The maximum and minimum temperature may remain 35 to 36 °C and 16 to 17 °C respectively. Maximum RH is expected to vary between 40 – 60 % and minimum RH between 16 – 20 %.

DISTRICT	Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
KALAHANDI	17-02-2024	0	35	16	2	40	18	6	202
	18-02-2024	0	35	17	1	43	16	6	158
	19-02-2024	0	35	17	1	55	17	6	165
	20-02-2024	0	36	17	2	60	20	7	169
	21-02-2024	0	36	17	3	55	19	8	161

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

Agromet – Advisory Bulletin for Kalahandi District

General Advisory:

- There is no rainfall in the forecast of next five days period. So, farmers are advised to apply recommended dose of fertilizer and spraying of plant protection chemicals as per the requirement.
- 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.
- Install yellow sticky trap @ 8/acre to monitor sucking pest complex like White fly, Aphids, Jassids & Thirps in vegetative stage of the crop. To prevent sucking pests neem-based pesticide (1500 ppm) may be sprayed @ 3 ml/ lit of water at primary stage of infestation. To control chemically, apply Thiamethoxam 25 WG @ 1 g or Imidacloprid 17.8% SL @ 1.5 ml by mixing with 5 liters of water.
- 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.



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- 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.

Green gram/Black gram:

- **Water management:** Now the crop is approaching to 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 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:

- **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.



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Disease Management:

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