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India Meteorological Department
Orissa University of Agriculture and Technology
Regional Research & Technology Transfer Station (RRTS)
Bhawanipatna, Kalahandi – 766001



Bulletin No.08/2024

WEEK NO. 04

Saturday/Dt.27.01.2024

Weather Forecast from 28.01.2024 to 01.02.2024 for Nuapada District:

As per IMD forecast dry weather is very likely to prevail in next three days and light rain may occur in subsequent one day. Sky may remain mainly clear to partly cloudy and wind may blow mainly from South Easterly to Westerly direction with the speed of 003 to 006 km/hr. The maximum and minimum temperature may remain 28 - 29 °C and 13 to 15 °C respectively. Maximum RH is expected to vary between 37 – 60 % and minimum RH between 19 – 39 %.

DISTRICT	Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
NUAPADA	28-01-2024	0	28	13	1	37	19	4	153
	29-01-2024	0	28	14	2	40	20	3	153
	30-01-2024	0	29	14	2	42	20	5	180
	31-01-2024	5	29	15	2	62	31	5	198
	01-02-2024	0	28	15	4	60	39	6	251

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

Agromet – Advisory Bulletin for Nuapada District

General Advisory:

- Always apply recommended dose of pesticide in correct method during morning or afternoon hours and pay attention to the wind direction during application.
- Rouging of viral infested plant should be done in vegetables. Infected plants should be uprooted and buried in the soil. After rouging, if infection is more, then spraying of Imidacloprid @ 1 ml per 3 litres of water is advised to control the vector.
- Farmers are advised to do weeding and hoeing in the standing crops like Maize, Groundnut, Green gram, Chick pea and vegetables to protect them from weeds.
- 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 & blue sticky trap for Thirps in vegetables at vegetative stage.
- Use pheromone trap @ 3-4/acre for monitoring borer insect in vegetables like brinjal, cauliflower, cabbage, tomato etc

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.

Insect & Disease Management in Nursery:

- **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/traps 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:

- **Weed Management:** Apply Imazethapyr 10% SL @ 3ml/ 10 ltrs of water within 15 DAS or Fenoxaprop-p-ethyl 9.3% EC @ 12 ml/ 5 ltr of water at 15-20 DAS.

Disease Management:

- **Collar rot & Stem rot:** Spray Metalaxyl 8% + Mancozeb 64%WP @ 2 g/ltr or Carbendazim 50% WP @ 1.5 g/ltr or Validamycin 3% L @ 2ml/ltr of water at the root zone of the plant.

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.



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Maize:

- **Weed Management:** Farmers are advised to complete weeding and earthing up operation at 20-25 DAS.
- **Nutrient Management:** Apply 25-30 kg urea as first top dressing at knee height stage (35-40 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.

Arhar:

- Suitable time for harvesting when 2/3rd to 3/4th of the pods have changed to brown colour.
- Harvested plant should be left in the field for sun drying for 3-5 days. Threshing may be done either by beating the pods with stick or by using Pullman thresher.
- The clean seed should be sun dried for 3-4 days to bring the moisture content at 9-10% for safe and longer storage.

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. 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.

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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