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



Bulletin No.16/2024

WEEK NO. 08

Friday/Dt.23.02.2024

Weather Forecast from 24.02.2024 to 28.02.2024 for Nuapada District:

As per IMD forecast very light to light rain may befall in between next Monday and Tuesday. Sky may remain mainly clear to overcast and wind may blow from Easterly to Southerly direction with the speed of 005 to 009 km/hr. The maximum and minimum temperature may remain 31 - 34 °C and 19 to 21 °C respectively. Maximum RH is expected to vary between 40 – 83 % and minimum RH between 17 – 36 %.

DISTRICT	Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
NUAPADA	24-02-2024	0	34	19	0	40	18	6	112
	25-02-2024	0	33	20	2	51	17	5	120
	26-02-2024	2	32	20	6	63	28	6	162
	27-02-2024	5	31	21	8	83	35	9	75
	28-02-2024	0	32	21	4	65	36	6	158

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

Agromet – Advisory Bulletin for Nuapada District

General Advisory:

- Very light to light rainfall is in the forecast in between next Monday and Tuesday. So, farmers are advised to withhold irrigation and application of pesticides and fertilizers during these days.
- Farmers are advised to do weeding and hoeing in the standing crops and vegetables to protect them from weeds and be vigilant on infestation of pest & diseases.
- 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.
- Keeping in view of rising day temperature, keep livestock inside shade. If the shade is built by RCC roof, then spreading of straw over the roof is advisable along with provision of clean water during day time to keep them hydrated.
- 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 first top dressing at 20-25 DAS.
- Apply DAP 44 kg + MOP 22 kg per acre as basal dose during final puddling and apply urea 35kg/ac as first top dressing at tillering stage (20-25 DAT).

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:

- **Water management:** Flowering and pod development stages are critical for groundnut and water stress must be avoided at these stages.

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:

- **Nutrient Management:** Apply 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.
- **Leaf blight:** Spray Copper oxychloride 50% WP @ 3g /ltr of water.

Okra:

- Suitable time for sowing Okra @ 8-9 kg/ac during February and March. Apply well decomposed FYM @ 2 t/ac during land preparation.
- **Suitable Varieties:** Utakala Gaurav, Arka Anamika, Arka Abhaya, Kasi Pragati etc.

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.
- **Fruit Borer:** Install pheromone trap @ 8 nos./ac with Heli lure at vegetative stage and replace the lure after weeks.

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 and Insect Management:

- **Purple blotch:** Spray Difenconazole 25% EC or Tebuconazole 25.9% EC or Kitazin 48% EC @ 1g/ltr of water.
- **Leaf blight:** Spray Mancozeb 75% WP @ 3g/ltr of water.



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- **Thrips:** Install blue sticky trap @ 8/ acre at vegetative stage. For chemical control, spray Thiomethoxam 25 WG @ 1g/ 5 liters of water or Acetamiprid 20% SP @ 1g/ 4 liters of water.

Livestock:

- **Cattle & Buffalo:** It is beneficial to add 5-10 % of fat in the diet of high yielding (10-15 ltr) cattle by reducing the fiber in the ration and add antioxidant like vitamin A & E in the diet. Sprinkle water over dairy cattle & buffalo twice or thrice a day to reduce their body temperature.
- **Goat & Sheep:** Allow the goats & sheeps to graze only from 7-11 AM in the morning & 4-7 PM in the evening.
- **Poultry:** Keep the curtains of poultry shed close during day time. If required, sprinkle water over them during day time for cooling effect.

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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