



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



Bulletin No.05/2024

WEEK NO. 03

Tuesday/Dt.16.01.2024

Weather Forecast from 17.01.2024 to 21.01.2024 for Nuapada District:

As per IMD forecast dry weather is very likely to prevail in next five days period. Sky may remain mainly clear to generally cloudy and wind may blow mainly from South Easterly to South Westerly direction with the speed of 004 to 006 km/hr. The maximum and minimum temperature may remain 28 - 29 °C and 13 to 14 °C respectively. Maximum RH is expected to vary between 51 – 73 % and minimum RH between 28 – 37 %.

DISTRICT	Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
NUAPADA	17-01-2024	0	29	14	2	51	28	4	160
	18-01-2024	0	29	13	6	64	33	6	169
	19-01-2024	0	28	13	6	73	37	5	248
	20-01-2024	0	28	14	0	63	37	4	150
	21-01-2024	0	29	14	0	53	34	4	154

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

Agromet – Advisory Bulletin for Nuapada District

General Advisory:

- 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.
- For making a light trap, a bulb should be fixed above a container (either plastic or tin) having a mixture of water and few drops of any insecticide. The insects get attracted towards the light, fall in the solution and die.
- Install yellow sticky trap @ 8/acre to monitor sucking pest like White fly, Aphids, Jassids & Thirps in vegetables at vegetative stage.
- Keep your crop field free from weed to minimize the incidence of diseases and pests.
- Apply balanced and appropriate fertilizers according to crop's growth stage.
- Always apply recommended dose of pesticide in correct method during morning or afternoon hours and pay attention to the wind direction during application.
- To control inflorescence rotting in Merigold spray Mancozeb 75% WP @ 2g or Carbendazim 50% WP @ 1g by mixing with one liter of water.

Crop-Specific Advisory:

Dry Season Paddy:

Rice Nursery:

- **Seed treatment:** Treat the seeds with 2g Carbendazim or 3g Carboxin or Thiram per 1kg of seed before sowing in the nursery.
- **Nutrient Management:** Apply 13-15 kg DAP and 10-12 kg MOP along with 200 kg of FYM and 200 g Zn per 10 decimal as basal dose for healthy production of seedlings.

Insect & Disease Management:

- **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/trap 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:

- **Seed Treatment:** Treat the seed with Carbendazim 25% + Mancozeb 50% WS @ 3-3.5 g/kg seed before sowing and with Rhizobium culture @ 500g or 250 ml per 25 kg of seed at the time of sowing. Sowing of seed should be done at afternoon hours.
- **Nutrient Management:** Apply 40 kg DAP, 25 kg MOP per acre before sowing along with Gypsum @ 1qt/ac as basal.
- **Weed Management:** Apply Imazethapyr 10% SL @ 3ml/ltr of water within 15 DAS.

Arhar:

Insect & Disease Management:

- **Pod Borer:** Apply Benfuracarb 40% EC @5ml/ltr or Deltamethrin 2.8% EC @1ml/ltr or Spinosad 45% SC @ 1.5 ml/5 ltrs or Flubendiamide 39.35% SC @ 1ml/5 ltrs of water.
- **Pod sucking bug and Aphid:** Spray Thiamethoxam 25% WG @ 1g/5ltr of water or Imidacloprid 17.8% SL @ 3ml/10 ltrs of water.
- **Root Rot:** Spray Validamycin 3% L @ 2ml/ltr of water or Carbendazim 50% WP @ 2g/ltr of water.



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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 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.

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 spray Spinosad 45% SC @ 5.5 ml by mixing with 15 liters of water or Thiodicarb 75 % WP @ 2ml/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:** 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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