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



Bulletin No.23/2024

WEEK NO. 12

Tuesday/Dt.19.03.2024

Weather Forecast from 20.03.2024 to 24.03.2024 for Nuapada District:

| DISTRICT | Date | Rainfall (mm) | T-MAX (°C) | T-MIN (°C) | Cloud Cover | Rh Max (%) | Rh Min (%) | Wind speed (kmph) | Wind Direction (deg) |
|----------|------------|---------------|------------|------------|-------------|------------|------------|-------------------|----------------------|
| NUAPADA | 20-03-2024 | 20 | 28 | 19 | 8 | 79 | 24 | 10 | 225 |
| | 21-03-2024 | 5 | 28 | 19 | 8 | 63 | 33 | 8 | 153 |
| | 22-03-2024 | 0 | 31 | 22 | 1 | 45 | 24 | 6 | 120 |
| | 23-03-2024 | 0 | 33 | 22 | 0 | 36 | 15 | 9 | 270 |
| | 24-03-2024 | 0 | 33 | 24 | 0 | 40 | 13 | 9 | 252 |

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

Weather Summary/Alert:

According to IMD forecast light to moderate rain may occur during next two days period and dry weather may prevail in subsequent days of the week. Sky may remain overcast in next two days and wind may blow from South Easterly to Westerly direction with the speed of 006 to 010 km/hr. The maximum and minimum temperature may remain 28 to 33 °C and 19 to 24 °C respectively. Maximum RH is expected to vary between 36 – 79 % and minimum RH between 13 – 33 %.

Warning: Probability of light rainfall from 18th to 20th of March.

Agromet – Advisory Bulletin for Nuapada District

General Advisory:

- Due to possibility light to moderate rainfall in next two days, farmers are advised to withhold irrigation and pesticides application for the time being.
- Considering the possibility of light to moderate rainfall during this week, there is a possibility of aphid outbreak in summer vegetable crops. Therefore, it is advised to keep a constant watch and spray neem-based insecticides on observation of the initial outbreak.
- Regular monitoring of crop field is advisable for incidence of insects and diseases.
- Keep your crop field free from weed as it helps in spreading of insects and diseases. Farmers are advised to do mulching in vegetables to control weed population.
- As the day temperature is rising, 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 sufficient clean water during day time to keep them hydrated.

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| SMS Advisory | Farmers are advised to do hoeing and weeding in vegetables after receding of rain. |
| Crop and Livestock Specific Advisory: | |
| Crop (Stage) | Advisory |
| Summer Paddy (Tillering Stage) | <p>Disease and Insect Management:</p> <ul style="list-style-type: none"> ▪ Blast: 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. ▪ Stem borer/Leaf folder: Apply nitrogenous fertilizer cautiously to avoid heavy infestation of stem borer. Collect and destroy egg masses of stem borer where ever possible. 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/ltrs of water or apply Cartap hydrochloride 4G @ 10 kg/acre mixing with sand at 1:1 ratio or spray Chlorantraniliprole 18.5% SC @ 3ml or Flubendiamide 39.35% M/M SC @ 1ml by mixing with 10 liters of water. ▪ Brown spot: If infestation of brown spot is noticed, spray Propiconazole 25% EC @ 1 ml or Carbendazim 12% + Mancozeb 63% @ 2.5 g by mixing with one liter of water. ▪ Thrips: During high temperature, there is a chance of thrips infestation in paddy. To protect, apply Thiamethoxam 25% WG @ 2 g per 10 liters of water. |
| Green gram/Black gram (Fruiting/ Maturity) | <p>Disease and Insect Management:</p> <ul style="list-style-type: none"> ▪ 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. ▪ Pod borer: Spray Flubendiamide 39.35% M/M SC @ 2 ml or Thiodicarb 75 % WP @ 15 ml or |



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| | Profenophos 50% EC @ 20 ml by mixing with 10 liters of water. |
| Groundnut (Flowering/Pod Development) | <p>Disease & Insect Management:</p> <ul style="list-style-type: none"> ▪ Leaf miner: Due to rise in day temperature infestation of leaf miner may be seen. Spray Profenophos 50% EC @ 2ml/liter of water if infestation is observed. ▪ Tobacco Caterpillar: To monitor effectively install pheromone trap (Spodo lure) @ 8 no./ac at vegetative stage and replace the lure after 3 weeks. ▪ Tikka: Spray Mancozeb 75% WP @ 3g/lit or Tebuconazole 29.5% EC @ 1.0 ml/lit or Carbendazim 50% WP @ 2g/ltr of water if tikka disease is noticed. |
| Hybrid Maize (Vegetative/Flowering/Fruiting) | <p>Insect Management:</p> <ul style="list-style-type: none"> ▪ 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. |
| Tomato (Flowering/Fruiting) | <p>Disease and Insect Management:</p> <ul style="list-style-type: none"> ▪ Fruit & Shoot borer: 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 blight: Spray Copper oxychloride 50% WP @ 3g /ltr of water. |
| Chilli (Vegetative/Flowering/Fruiting) | <p>Disease and Insect Management:</p> <ul style="list-style-type: none"> ▪ Thrips/ Leaf curl virus: 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 (Vegetative/Flowering/Fruiting) | <p>Insect Management:</p> <ul style="list-style-type: none"> ▪ 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. |
| Onion (Vegetative) | <p>Disease and Insect Management:</p> <ul style="list-style-type: none"> ▪ Purple blotch: Spray Difenconazole 25% EC or Tebuconazole 25.9% EC or Kitazin 48% EC @ 1g/ltr of water. ▪ 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. |
| Mango (Fruit setting) | <ul style="list-style-type: none"> ▪ For control of fruit drop in mango orchards, spray of 20 ppm Planofix @ 2ml/ 4.5 liters of water. ▪ To control fungal disease spraying of Karathane @ 5 ml per 10 litre of water is advisable. |
| Livestock | |
| Cattle & Buffalo | <ul style="list-style-type: none"> ▪ 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 | <ul style="list-style-type: none"> ▪ Allow the goats & sheeps to graze only from 7-11 AM in the morning & 4-7 PM in the evening. |
| Poultry | <ul style="list-style-type: none"> ▪ 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).

IMD Weather forecast and Agro-meteorological advisory of Odisha location is now available on Meghdoot mobile app in English and Odia language. Download: (Android: <https://play.google.com/store/apps/details?id=com.aas.meghdoot>), (iOS: <https://apps.apple.com/in/app/meghdoot/id1474048155>)