



**GraminKrishiMausamSewa**  
**India Meteorological Department**  
**Orissa University of Agriculture and Technology**  
**RRTTS, Chiplima, Sambalpur**



No.28 (English Bulletin)

Week no-14

Date: 05.04.2024

**West Central Table Land Zone**

**Bargarh**

According to medium range weather forecast of IMD, MC, Bhubaneswar, there is a chance of occurrence of light to moderate rainfall along with partly to generally cloudy sky is expected at the middle of upcoming week. The maximum and minimum temperature is likely to be ranges between 37-40<sup>0</sup>C and 23-27<sup>0</sup>C respectively during this week. The maximum and minimum relative humidity may vary between 19-63% and 9-47% respectively. The NW/W/SW wind with a speed of 7-13 km/hr is predicted during upcoming days.

| Date                      | 06-04-2024 | 07-04-2024 | 08-04-2024 | 09-04-2024 | 10-04-2024 |
|---------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)             | 0          | 5          | 15         | 5          | 0          |
| Max Temperature (° C)     | 40         | 40         | 38         | 37         | 37         |
| Min Temperature (°C)      | 27         | 26         | 24         | 23         | 23         |
| Total cloud cover (okta)  | 1          | 3          | 8          | 6          | 4          |
| Max Relative Humidity (%) | 20         | 19         | 41         | 63         | 47         |
| Min Relative Humidity (%) | 10         | 9          | 14         | 47         | 29         |
| Wind speed (km/h)         | 12         | 11         | 13         | 11         | 7          |
| Wind direction (deg)      | 291        | 304        | 270        | 248        | 202        |

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

**General Advisory**

- The prevailing heat wave and warm night condition may continue for next one or two days so farmers are advised to take precautionary measures accordingly. Apply light and frequent irrigation to the standing crops, increase the frequency of irrigation at critical growth stages, irrigate only during the evening or early morning and use sprinkler irrigation if possible. Mulching should be done with crop residue, straw / polythene to conserve soil moisture as well as maintain soil temperature. Avoid grazing of animal during noon hours in open places.
- There is chance of occurrence of rainfall along with gusty wind, thunderstorm and lightning after one or two days, so farmers should conduct spraying operations before that period and schedule the irrigation accordingly.

**Crop and livestock Specific Agromet Advisory**

| Name of the crop           | Crop Stage                                | Agromet Advisories  |
|----------------------------|---|---|
| <b>Rice</b>                | <b>Panicle initiation / 50% flowering</b> | <ul style="list-style-type: none"> <li>• Farmers are advised to maintain adequate moisture in paddy field at this stage because hot and humid weather condition is expected in upcoming days. If not necessary, farmers should wait some days for irrigation because some amount of rainfall may occur after one or two days.</li> <li>• To control yellow stem borer, spraying of Chlorantraniliprole 18.5% SC @ 0.3ml or Fipronil 5% @ 2.5ml per liter of water should be advised under clear sky. For BLB control, farmer should spray Plantomycin @ 1g/liter of water using 200 liters of water per acre or Streptomycin (150 mg) + Copper oxychloride 1g/litre of water twice at an interval of 8 days.</li> </ul> |
| <b>Green Gram (Summer)</b> | <b>flowering / Pod formation stage</b>    | <ul style="list-style-type: none"> <li>• Looking to the dry weather condition in upcoming two days, a light irrigation should be advised at this stage to maintain adequate moisture in field.</li> <li>• To control aphids attack in pulse crop, spraying of imidacloprid @</li> </ul>   |

|                        |   |  |
|------------------------|---|--|
|                        |   | 0.3 ml or Thiamethoxam @ 0.3 g per liter of water and for yellow mosaic virus (transmitted through white fly) spraying of Acetamiprid 20% SP @ 40 g/acre in 200-250 liters of water should be advised under clear weather.   |
| <b>Maize</b>           | <b>Vegetative stage</b>                       | <ul style="list-style-type: none"> <li>• Farmers should apply top dressing of nitrogen fertilizer under proper soil moisture condition at this stage.</li> <li>• To control stem borer in Maize field, spraying of Fipronil 5% SC or Profenophos 50% EC @ 2ml and for fall army worm, Emamectin Benzoate @ 0.4 g per liter of water should be advised.</li> <li>• A light irrigation should be advised in Maize because heat wave condition is expected to be continued for one or two more days.</li> </ul>   |
| <b>Mango</b>           | <b>Fruiting stages</b>                        | <ul style="list-style-type: none"> <li>• To control mango hopper in Mango tree, spraying of insecticides like Acephate (1g/L) or Chloropyriphos (0.5 ml/L) or Thiomethoxam (0.3-0.4 g/L) and for powdery mildew disease, spraying of soluble sulphur (2 g/L) should be advised under clear weather condition.</li> <li>• Spraying of Planofix @ 1ml /4.5 liters of water should be advised at Mango with pea size fruit stage to reduce fruit drops.</li> <li>• Farmers shouldn't apply hormone and insecticide at same time. There should be at least one week gap between their applications.</li> <li>• Maintain adequate moisture in field at fruiting stage of mango. Irrigation should be advised at weekly interval during summer season.</li> </ul>  |
| <b>Vegetable crops</b> | <b>Vegetative stage / flowering/ Fruiting</b> | <ul style="list-style-type: none"> <li>• Increasing temperature along with the chance of heat wave condition is expected in upcoming days so farmers are advised to provide frequent light irrigation either during morning or evening hours in vegetable field to protect the crop from heat wave.</li> <li>• To control leaf eating caterpillar and fruit borer / shoot and fruit borer in <b>Tomato, Brinjal and Okra</b> spraying of Emamectin Benzoate @ 0.4 g per liter of water should be advised under clear weather.</li> <li>• In vegetative stage of tomato, <b>leaf minor and white fly</b> attack observed in some farmers field so application of NSKE 5% with a sticker found to be effective. Leaf minor population may boost up due to excess use of nitrogen fertilizer so its judicious use should be advised.</li> <li>• Spraying of Tebuconazole 50% + Trifloxystrobin 25% @ 0.4g per liter water should be advised to control <b>purple blotch</b> disease in <b>Onion</b> and in case of thrips attack, spraying of imidacloprid @ 0.3 ml or Thiamethoxam @ 0.3 g per liter of water or Acetamiprid 20% SP @ 1g per 4 liters of water should be advised.</li> </ul> |
| <b>Cow/Buffalo</b>     |   | <ul style="list-style-type: none"> <li>• To protect the animal from heat, farmers should make provision to provide fresh clean and cold drinking water to the animal along with green grass, protein-fat bypass supplement, mineral mixture and salt because temperature is expected to be increased in upcoming days. Keep animals in shade and don't make them work between 11 am to 4 pm. Cover the shed roof with straw, paint it white or plaster with dung-mud to reduce temperature. In extreme heat condition, spray water and take the animal to a water body to cool off. Make them graze during cooler hours.</li> </ul>  |

|   |  |
|---|--|
| <p><b>Ms. Jubuli Sahu</b><br/> <b>Junior Agrometeorologist,</b><br/> <b>GKMS, RRTTS, Chiplima</b></p> | <p><b>Dr. Sanjukta Mohapatra</b><br/> <b>ADR cum Nodal Officer</b><br/> <b>RRTTS, Chiplima</b></p> |
|---|--|

For better agricultural benefits, use **OUAT KALINGA** products (Seedling, Sapling & QPM, Tissue Culture Plants, Fruits and Vegetables, Value Added Products, Fingerling/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** (<https://play.google.com/store/apps/details?id=com.aas.meghdoot>) in both English and Odia languages and farmers can also use **DAMINI mobile app** (<https://play.google.com/store/apps/details?id=com.lightening.live.damini>) for thunderstorm and lightning information.