



Gramin Krishi Mausam Sewa
India Meteorological Department
Orissa University of Agriculture and Technology
RRTTS, Chiplima, Sambalpur



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Date: 10.05.2024

West Central Table Land Zone

District-Bargarh
Weather forecast for next 5 days

Date	11-05-2024	12-05-2024	13-05-2024	14-05-2024	15-05-2024
Rainfall (mm)	2	5	5	6	6
Max Temperature (° C)	37	38	38	40	40
Min Temperature (° C)	27	27	26	26	28
Total cloud cover (okta)	3	4	4	6	6
Max Relative Humidity (%)	53	54	55	59	43
Min Relative Humidity (%)	18	19	16	23	19
Wind speed (km/h)	16	16	17	12	10
Wind direction (deg)	212	169	243	242	248

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

Weather Summary/Alert:

According to medium range weather forecast of IMD, MC, Bhubaneswar, there is a chance of occurrence of very light to light rainfall in upcoming week and partly to generally cloudy sky is expected during that period. The maximum and minimum temperature is likely to be ranges between 37-40°C and 26-28°C respectively during this week. The maximum and minimum relative humidity may vary between 43-59 % and 16-23 % respectively. The SE/SW wind with a speed of 10-17 km/hr is predicted during upcoming days.

General Advisory

- As per extended range forecast of IMD, rain/thunderstorm activity accompanied by gusty wind very likely to occur at a few places over the districts of Odisha during week-1 (10th to 16th May, 2024). Maximum temperature very likely to be above normal by 1 to 2°C at a few places over the districts of Odisha during that period. Mainly dry weather likely to occur over the districts of Odisha during the week-2 (17th to 23rd May, 2024). Maximum Temperature is likely to be above normal by 2 to 3 deg C at many places over the districts of Odisha during second week.
- To protect the crop and animal from heat wave or heat stress farmers should take some protective measures like applying 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 place.
- Prevailing weather condition is favourable for increasing the insects and diseases population in both field and vegetable crops so its regular monitoring should be advised.

Crop and livestock Specific Agromet Advisory

Name of the crop	Crop Stage	Agromet Advisories
Rice	Milking / Grain filling/ Maturity/ Harvesting	<ul style="list-style-type: none"> Prevailing weather condition is favourable for BPH attack so in severe cases spraying of triflumezopyrim 10 SC @ 240 ml/ha or pymetrozine 50 WP @ 300g/ha or imidachlorprid @ 0.3 ml per liter of water should be advised. In no rainfall condition, maintain adequate moisture in late sown rice crop which are at milking and grain filling stage. Harvesting of rice crop should be advised when the crop looks pale yellow and 80% or more grains are matured.
Green Gram	Pod formation/	<ul style="list-style-type: none"> Pod formation is the critical stage of water requirement for green

(Summer)	Maturity stage	<p>gram crop and water stress at this stage may lead to poor pod filling so maintenance of adequate moisture should be advised.</p> <ul style="list-style-type: none"> • For pod borer attack, spraying of Chlorantraniliprole 18.5% SC @ 0.3ml or Emamectin Benzoate @ 0.4 g or Prophenofos @ 2ml per liter of water should be advised when sky is clear. • If 70-80 % pods are in matured stage then farmers should start harvesting of crop and sundried to bring the moisture content up to 8-10 % of seed then store in safe places.
Mango	Fruiting stages	<ul style="list-style-type: none"> • 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. To control fruit fly attack, use of fruit fly trap should be advised. • This month is very crucial for fruit growth in Mango orchard and water scarcity at this stage may lead poor fruit development therefore farmers are advised to maintain moisture by applying irrigation at 10-15 days interval at early morning or evening hours.
Vegetable crops	flowering/ Fruiting/ Harvesting	<ul style="list-style-type: none"> • Prevailing weather condition is favourable for increasing the sucking insect pest population in vegetable crops so its regular monitoring should be advised. Maintain adequate moisture in field because dry weather is prevailing during upcoming days. • To control fruit borer attack in Tomato, Brinjal and Okra spraying of Emamectin Benzoate @ 0.4 g per liter of water should be advised under clear weather.
Cow/Buffalo		<ul style="list-style-type: none"> • 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. Keep animals in shade and don't make them work between 11 am to 4 pm. Keep the animal away from any tree and electrical equipments during rainfall/ thunderstorm activities.
Poultry		<ul style="list-style-type: none"> • During heat wave period covering the window with wet gunny bag and thatching of roof with straw and make provision to ensure proper ventilation and cooling of poultry shed. Feeding will be continued with supplement of vitamin E and C with water till the end of heat wave. Deworming and vaccination of poultry birds against ranikhet disease must be ensured.

<p>Ms. Jubuli Sahu Junior Agrometeorologist, GKMS, RRTTS, Chiplima</p>	<p>Dr. Sanjukta Mohapatra ADR & Nodal Officer RRTTS, Chiplima</p>
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