



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



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Date: 03.05.2024

West Central Table Land Zone

District-Bargarh
Weather forecast for next 5 days

Date	04-05-2024	05-05-2024	06-05-2024	07-05-2024	08-05-2024
Rainfall (mm)	0	0	0	2	5
Max Temperature (° C)	40	40	39	38	37
Min Temperature (° C)	28	27	26	25	25
Total cloud cover (okta)	0	0	0	2	3
Max Relative Humidity (%)	12	18	36	41	44
Min Relative Humidity (%)	6	5	9	11	16
Wind speed (km/h)	6	8	13	19	15
Wind direction (deg)	116	202	248	208	193

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 very less chance of occurrence of rainfall in upcoming three days but very light to light rainfall is expected thereafter and during this period clear sky at first three days and thereafter partly cloudy sky is expected. The maximum and minimum temperature is likely to be ranges between 37-40°C and 25-28°C respectively during this week. The maximum and minimum relative humidity may vary between 12-44 % and 5-16 % respectively. The SE/SW wind with a speed of 6-19 km/hr is predicted during upcoming days.

General Advisory

- Dry weather along with heat wave condition is expected for upcoming week, so farmer are advised to 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 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.
- Harvesting and spraying operation should be done at first phase of upcoming week because some amount of rainfall is expected after two to three days.

Crop and livestock Specific Agromet Advisory

Name of the crop	Crop Stage	Agromet Advisories
Rice	flowering / Milking / Grain filling	<ul style="list-style-type: none"> • Farmers are advised to maintain adequate moisture in paddy field at because dry weather condition may prevail during upcoming days and present crop stage is sensitive to water stress. • Prevailing weather condition is favourable for BPH attack so during its infestation avoid use of nitrogen fertilizer and if possible use alternate wetting and drying techniques to avoid water stagnation for long period which help in multiplication of this insect. In severe cases go for spraying of triflumezopyrim 10 SC @ 240 ml/ha or pymetrozine 50 WP @ 300g/ha or imidachlorprid @ 0.3 ml per liter of water.
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. As there is a chance of occurrence of some amount of rainfall after some days, farmers should keep their harvested produce in safe places.
Maize	Cob formation/ Maturity/ Harvesting stage	<ul style="list-style-type: none"> • Farmers should maintain proper soil moisture at this stage for better yield. • 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.
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. • Farmers should wait some days for irrigation because there is a chance of occurrence of rainfall in some places in next week.
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. • To control leaf eating caterpillar and fruit borer/shoot and fruit borer in Tomato, Brinjal and Okra spraying of Emamectin Benzoate @ 0.4 g per liter of water should be advised under clear weather. • Spraying of Tebuconazole 50% + Trifloxystrobin 25% @ 0.4g per liter water should be advised to control purple blotch disease in Onion 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. • Maintain adequate moisture in field because dry weather is prevailing during upcoming days. If possible use organic mulch to maintain moisture as well as temperature in soil.
Cow/Buffalo		<ul style="list-style-type: none"> • There is a chance of increase in temperature along with heat wave condition in some places during upcoming days so 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 after some 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.

Poultry	<ul style="list-style-type: none"> • Covering the window with wet gunny bag and thatching roof with straw, provision should be made to ensure proper ventilation and cooling of poultry shed. • Deworming and vaccination of poultry birds against ranikhet disease must be ensured. • Feeding will be continued with supplement of vitamin E and C with water till the end of heat wave. Ensured availability of cold water during heat wave period.
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