



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



No.39 (English Bulletin)

Week no-20

Date: 14.05.2024

West Central Table Land Zone

District-Bargarh
Weather forecast for next 5 days

Date	15-05-2024	16-05-2024	17-05-2024	18-05-2024	19-05-2024
Rainfall (mm)	2	0	0	0	0
Max Temperature (° C)	39	39	40	40	41
Min Temperature (° C)	28	28	28	29	29
Total cloud cover (okta)	4	3	3	2	2
Max Relative Humidity (%)	46	43	44	36	35
Min Relative Humidity (%)	17	17	14	13	13
Wind speed (km/h)	12	10	12	16	17
Wind direction (deg)	200	171	212	270	244

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 week but very light along with partly cloudy sky is expected in one or two places over the district at the first day of this week. The maximum and minimum temperature is likely to be ranges between 39-41⁰C and 28-29⁰C respectively during this week. The maximum and minimum relative humidity may vary between 35-46 % and 13-17 % respectively. The SW/SE/W wind with a speed of 10-17 km/hr is predicted during upcoming days.

General Advisory

- To protect the crop and animal from heat wave or heat stress or increase in temperature, 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 (periodic cloudy and sunny weather) 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 of a panicle are matured.
Green Gram (Summer)	Maturity/ Harvesting	<ul style="list-style-type: none"> If 70-80 % pods are in matured stage (brown colour) 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 development / Harvesting	<ul style="list-style-type: none"> • This month is very crucial for fruit growth in Mango orchard and water scarcity at this stage may lead to fruit drop and poor fruit development therefore farmers are advised to maintain moisture by applying irrigation at 7-10 days interval at early morning or evening hours for proper development of fruits. • To control fruit fly attack, use of fruit fly trap should be advised. • For control of black tip and internal necrosis, spraying of borax (1%) should be advised.
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. If attack of those insects is noticed, then spraying of Thiamethoxam 25% WG @ 0.2-0.3g or Imidacloprid 17.8% SL @ 0.3ml per liter of water should be advised. • To control fruit and shoot borer / 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. • Maintain adequate moisture in field because dry weather is prevailing during upcoming days.
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.
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.

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