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



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Date: 02.04.2024

West Central Table Land Zone

Sambalpur

According to medium range weather forecast of IMD, MC, Bhubaneswar, there is very less chance of occurrence of rainfall but very light rain in some places at the end of this week is expected during upcoming week and clear to partly cloudy sky is prevail over the district. The maximum and minimum temperature is likely to be ranges between 40-42°C and 25-27°C respectively during this week. The maximum and minimum relative humidity may vary between 19-38% and 8-10% respectively. The SW/NW/SE wind with a speed of 7-10 km/hr is predicted during upcoming days.

Date	03-04-2024	04-04-2024	05-04-2024	06-04-2024	07-04-2024
Rainfall (mm)	0	0	0	0	2
Max Temperature (° C)	40	40	41	42	42
Min Temperature (° C)	25	25	26	26	27
Total cloud cover (okta)	1	1	1	1	4
Max Relative Humidity (%)	20	38	30	19	25
Min Relative Humidity (%)	9	8	10	9	9
Wind speed (km/h)	9	7	9	8	10
Wind direction (deg)	108	135	252	287	315

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

General Advisory

- As per IMD Seasonal outlook for hot weather season (April to June) 2024, above-normal maximum temperatures and normal to above normal minimum temperatures are likely over most parts of the country and as per special bulletin-1 (IMD, Bhubaneswar on dated:-01.04.2024), due to prevailing mainly Northwesterly/Westerly dry air and high solar insolation, Maximum temperature (Day Temperature) very likely to rise by 2 to 4°C over the districts of Odisha during next 2 days & no large change thereafter. Consequently maximum temperature (Day Temperature) likely to be more than 40°C at many places over the districts of Odisha and likely to be above normal by 3 to 5°C over the districts of Odisha during 4th to 6th April, 2024. 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 place because there is a chance of increase in maximum temperature in upcoming days.

Crop and livestock Specific Agromet Advisory

Name of the crop	Crop Stage	Agromet Advisories
Rice	Panicle initiation / 50% flowering	<ul style="list-style-type: none"> Farmers are advised to maintain adequate moisture in paddy field at this stage because hot and humid weather condition is expected in upcoming days. 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 Streptocycline (150 mg) + Copper oxychloride 1g/litre of water twice at an interval of 8 days.

<p>Green Gram (Summer)</p>	<p>flowering stage</p>	<ul style="list-style-type: none"> Looking to the dry weather condition in upcoming days, a light irrigation should be advised at this stage to maintain adequate moisture in field. To control aphids attack in pulse crop, spraying of imidacloprid @ 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. Yellow sticky traps or cards @ 10/ac. may reduce the whitefly population.
<p>Maize</p>	<p>Vegetative stage</p>	<ul style="list-style-type: none"> Farmers should apply top dressing of nitrogen fertilizer under proper soil moisture condition at this stage. 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. One life saving irrigation should be advised in Maize because heat wave condition is expected in upcoming days.
<p>Mango</p>	<p>Fruiting stages</p>	<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. Spraying of Planofix @ 1ml /4.5 liters of water should be advised at Mango with pea size fruit stage to reduce fruit drops. Farmers shouldn't apply hormone and insecticide at same time. There should be at least one week gap between their applications. Irrigation should be advised at weekly interval during summer season.
<p>Vegetable crops</p>	<p>Vegetative stage / flowering/ Fruiting</p>	<ul style="list-style-type: none"> 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. 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. In vegetative stage of tomato, leaf minor and white fly 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 judicial use should be advised. 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.
<p>Cow/Buffalo</p>	<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 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. 	

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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.