



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



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Week no-11

Date: 15.03.2024

**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 during upcoming week. The maximum and minimum temperature is likely to be ranges between 32-36<sup>0</sup>C and 20-22<sup>0</sup>C respectively during this week. The maximum and minimum relative humidity may vary between 28-77% and 10-29% respectively. The NW/SE/SW/NE wind with a speed of 8-13 km/hr is predicted during upcoming days.

Date	16-03-2024	17-03-2024	18-03-2024	19-03-2024	20-03-2024
Rainfall (mm)	0	2	4	10	5
Max Temperature (° C)	36	36	36	33	32
Min Temperature (° C)	21	21	21	22	20
Total cloud cover (okta)	2	3	4	6	7
Max Relative Humidity (%)	28	46	68	70	77
Min Relative Humidity (%)	10	13	28	29	28
Wind speed (km/h)	8	9	10	13	11
Wind direction (deg)	292	236	79	198	112

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

**General Advisory**

- As there is a chance of occurrence of rainfall in upcoming days so farmers are advised to schedule irrigation as well as spraying operations accordingly. Farmers should make provision to keep the harvested rabi crop produce in safe place to avoid damage due to adverse weather condition which is expected to be occurred in 2<sup>nd</sup> half of upcoming week.
- Mulching should be done with crop residue, straw / polythene to conserve soil moisture as well as maintain soil temperature.
- Prevailing weather condition (dry weather, rise in maximum temp. along with periodic cloudy sky) is favourable for increasing the population of different diseases and insects in crop field so its regular monitoring should be advised.

**Crop and livestock Specific Agromet Advisory**

Name of the crop	Crop Stage	Agromet Advisories
<b>Rice</b>	<b>DAT/ Tillering</b>	<ul style="list-style-type: none"> <li>• Spraying of Pyrazosulfuron-ethyl 10 WP @ 5 g/10 ltrs of water at 3-5 DAT or Bispyribac sodium @ 120 ml by mixing with 140 liters of water per acre at 10-15 DAT should be advised within two days because occurrence of rainfall is expected thereafter.</li> <li>• First top dressing of Urea fertilizer should be advised in rice plant. 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.</li> </ul>
<b>Green Gram (Summer)</b>	<b>Vegetative stage</b>	<ul style="list-style-type: none"> <li>• Current weather condition is favourable for aphids attack in pulse crop so its regular monitoring should be advised. If attack observed, then spraying of imidacloprid @ 0.3 ml or Thiamethoxam @ 0.3 g per liter of water should be advised.</li> <li>• Yellow mosaic virus(transmitted through white fly) attack symptoms is observed in some farmers field so to control this insect spraying of Acetamiprid 20% SP @ 40 g/acre in 200-250 liters of water should</li> </ul>

		be advised under clear sky.
<b>Maize</b>	<b>Vegetative stage</b>	<ul style="list-style-type: none"> <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> </ul>
<b>Mustard</b>	<b>Harvesting / Drying</b>	<ul style="list-style-type: none"> <li>Farmers are advised to keep their harvested mustard crop in safe place because light rain is expected at the end of this week.</li> </ul>
<b>Mango</b>	<b>Mustard/ Pea size fruit</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) should be advised.</li> <li>To control powdery mildew disease in mango, spraying of soluble sulphur (2 g/ L) should be advised during clear weather condition.</li> <li>To increase fruit size KNO<sub>3</sub> 2% at mustard size fruit stage should be applied.</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> </ul>
<b>Tomato and Brinjal</b>	<b>Fruiting</b>	<ul style="list-style-type: none"> <li>To control leaf eating caterpillar and fruit borer/shoot and fruit borer in Tomato and Brinjal, spraying of Emamectin Benzoate @ 0.4 g per liter of water should be advised under clear weather.</li> <li>Early (Alternaria) blight infection is observed in some tomato fields so spraying of Tebuconazole 50% + Trifloxystrobin 25% @ 0.4g per liter water should be advised.</li> </ul>
<b>Onion</b>	<b>Vegetative stage</b>	<ul style="list-style-type: none"> <li>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.</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 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 and also make provision to avoid direct entry of rain water to animal shed.</li> </ul>

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