



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



No.15 (English Bulletin)

Week no-08

Date: 20.02.2024

**West Central Table Land Zone**

**Bargarh**

According to medium range weather forecast of IMD, MC, Bhubaneswar, there is no chance of occurrence of rainfall in upcoming days along with clear to partly clear to generally cloudy sky is expected during this week. The maximum and minimum temperature is likely to be ranges between 32-33<sup>0</sup>C and 18-20<sup>0</sup>C respectively during this week. The maximum and minimum relative humidity may vary between 33-43% and 16-17% respectively. The NW/SW wind with a speed of 10-13 km/hr is predicted during upcoming days.

Date	21-02-2024	22-02-2024	23-02-2024	24-02-2024	25-02-2024
Rainfall (mm)	0	0	0	0	0
Max Temperature (° C)	33	33	32	32	32
Min Temperature (° C)	20	20	19	19	18
Total cloud cover (okta)	1	2	4	5	5
Max Relative Humidity (%)	33	42	33	43	42
Min Relative Humidity (%)	16	16	17	17	17
Wind speed (km/h)	10	13	13	12	11
Wind direction (deg)	289	248	279	292	292

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

**General Advisory**

- As per extended range forecast of IMD, rainfall is above normal, maximum and minimum temperature is expected to be below normal and normal respectively for Odisha during 25.02.2024 to 02.03.2024 so farmers are advised to conduct spraying operations in this week.
- Farmers are advised to start sowing or nursery for cultivation of summer vegetables like cucurbits, okra etc.
- Prevailing weather condition is favourable for attack 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
Rice	Transplanting (Weed Management)	<ul style="list-style-type: none"> <li>Transplanting should be advised in case of 21 to 25 days or above old seedlings. Application of granular herbicide Bensulfuron-methyl @ 4 kg/ acre + Pretilachlor at 5-8 days after transplanting or 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 for weed control.</li> </ul>
Green Gram/ Black Gram	Flowering/ Fruiting stage	<ul style="list-style-type: none"> <li>Maintain adequate moisture in crop field to avoid flower drop due to water stress condition.</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 be advised under clear sky.</li> </ul>
Sesame	Sowing / Vegetative stage	<ul style="list-style-type: none"> <li>Sowing of Sesame crop should be advised with a seed rate @ 2-2.5 kg seeds per acre. Before sowing, seed treatment should be done with 2g Carbendazim (Bavistin) and due to small seed size it should be mixed with dry sand during sowing in line. Recommended fertilizer dose for Sasame 30:20:20 NPK kg/ha. Apply full P, K and ½ N as</li> </ul>

		<p>basal and the remaining N at first hoeing and weeding.</p> <ul style="list-style-type: none"> <li>• First hoeing, weeding and thinning should be done at 15 days stage. Thinning should be done to keep the plants about 10cm apart.</li> <li>• 4-5 leaf stage is the critical stage of irrigation in sesame so farmers are advised to maintain adequate moisture in field at this stage.</li> </ul>
<b>Groundnut</b>	<b>Vegetative stage</b>	<ul style="list-style-type: none"> <li>• Spraying of Imazethapyr @ 3 ml/liter of water should be advised within 15 days of sowing to control weed in ground nut.</li> </ul>
<b>Mango</b>	<b>Flowering / Mustard 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. During full flowering, spray of insecticides should be avoided because this may reduce population of beneficial insects which help in pollination.</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> </ul>
<b>Tomato</b>	<b>Planting / Vegetative stage</b>	<ul style="list-style-type: none"> <li>• Farmers should start planting of tomato seedling with 25-30 days old. One hoeing and weeding operation is advised in case of crop having vegetative growth stage.</li> </ul>
<b>Cow/Buffalo</b>		<ul style="list-style-type: none"> <li>• Vaccination against FMD, HS and BQ should be advised. Farmers are advised to keep the animal shed clean and dry to avoid disease and insect attack.</li> </ul>

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