



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



No.01 (English Bulletin)

Week no-01

Date: 02.01.2024

West Central Table Land Zone

Bargarh

According to medium range weather forecast of IMD, MC, Bhubaneswar, there is very less chance of occurrence of rainfall in first 3 days of the upcoming week along with clear sky but very light rain is expected in some places in rest two days along with partly cloudy sky. The maximum and minimum temperature is likely to be ranges between 26-27^oC and 16-17^oC respectively during this week. The maximum and minimum relative humidity may vary between 55-60% and 25-28% respectively. The wind speed of 5-6 km/hr is predicted from NE/E/SE direction during the upcoming days.

Date	03-01-2024	04-01-2024	05-01-2024	06-01-2024	07-01-2024
Rainfall (mm)	0	0	0	1	1
Max Temperature (° C)	26	26	26	27	27
Min Temperature (° C)	16	17	17	16	16
Total cloud cover (okta)	0	0	0	1	0
Max Relative Humidity (%)	58	59	55	60	58
Min Relative Humidity (%)	27	27	25	28	28
Wind speed (km/h)	6	6	5	6	6
Wind direction (deg)	77	101	90	105	75

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

General Advisory

- Prevailing foggy and cool weather condition is favourable for aphid and other sucking pest infestation in all type of crops so farmers are advised to make provision to protect their crops as well as animals from cold and take proper protective as well as preventive measures against the insects. There is no chance of rainfall in upcoming 2-3 days so farmers are advised to conduct any types of agricultural operations during that period when sky is clear. As very light rainfall is expected at the end of this week farmers are advised to keep their produce in safe place.
- Farmers those are using android mobile, are advised to use **Meghdoot** app for location specific weather forecast and agromet advisories and **Damini** app for early information about thunderstorm and lightning.

Crop and livestock Specific Agromet Advisory

Name of the crop	Crop Stage	Agromet Advisories
Paddy	Storage	<ul style="list-style-type: none"> • For safe storage, paddy grains need to be dried to below 14% and should be dried to below 12% moisture content for seed purpose. The ideal moisture content is between 12-14% for milling. Paddy should be stored in godown after proper cleaning and make provision to avoid damage due to stored grain pest, rat, mites etc.
Vegetable crops (Brinjal, Tomato, Potato, Chilli, Cole crops etc.)	Vegetative / Flowering stage	<ul style="list-style-type: none"> • Farmers should use straw or polythene as a mulching as well as covering material to maintain soil temperature as well as moisture in crop field and also protect the crops from cold. • Prevailing weather condition is favourable for late blight infestation in Tomato and Potato so farmers should use Metalaxyl + Mancozeb @ 2.5 g per liter of water as preventive as well as protective measure against this disease. If possible, use 3 gram Trichoderma per kg of seed during seed/seedling treatment to avoid wilt disease in vegetable crops.

Mustard	Vegetative / Flowering stage	<ul style="list-style-type: none"> • In case of dense planting, one thinning operation should be advised to maintain optimum plant population. Hoeing and weeding operation is advised in case of crop 15 to 20 days crop. • Prevailing foggy weather condition is favourable for aphid and mustard sawfly attack in mustard crop so its regular monitoring should be advised.
Animal Husbandry (Cow and Buffalo)	<ul style="list-style-type: none"> • Farmers are advised to keep the animal shed clean and dry to avoid disease and insect attack and also provide mineral mixture along with fresh clean drinking water to the animal and make proper provision to protect the animal from cold (if possible use jute/gunny bags to cover the animal as well as animal shed and straw as bedding material) because foggy and cold weather is expected to be continue during upcoming week. 	

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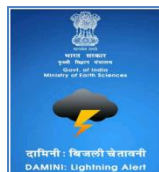
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IMD Weather forecast and Agro-meteorological advisory of Odisha location is now available on **MEGHDOOT mobile app** in both English and Odia languages.



(<https://play.google.com/store/apps/details?id=com.aas.meghdoot>)

Farmers can also use **DAMINI mobile app** for thunderstorm and lightning information.



(<https://play.google.com/store/apps/details?id=com.lightning.live.damini>)