



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



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Week no-51

Date: 22.12.2023

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 along with clear to partly clear sky is expected during the upcoming days. The maximum and minimum temperature is likely to be ranges between 26-28^oC and 12-13^oC respectively during this week. The maximum and minimum relative humidity may vary between 65-72% and 27-35% respectively. The wind speed of 5-6 km/hr is predicted from E/NE direction during the upcoming days.

Date	23-12-2023	24-12-2023	25-12-2023	26-12-2023	27-12-2023
Rainfall (mm)	0	0	0	0	0
Max Temperature (° C)	26	27	28	28	28
Min Temperature (° C)	12	13	13	13	13
Total cloud cover (okta)	2	2	1	0	0
Max Relative Humidity (%)	65	72	69	67	65
Min Relative Humidity (%)	27	35	31	31	30
Wind speed (km/h)	5	5	5	5	6
Wind direction (deg)	90	71	68	90	79

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

General Advisory

- Increase in minimum temperature by 2-3^oC along with foggy and cool weather is expected in upcoming 5 days which favour 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 week so farmers should conduct irrigation as well as any types of spraying operations during this period.
- 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	Harvesting/ Threshing/ Winnowing	<ul style="list-style-type: none"> • As dry weather condition is prevailed during upcoming week, harvesting of matured paddy crop should be advised as soon as possible and keep in safe place after proper sun drying to avoid any further damage due to adverse weather condition.
Vegetable crops (Brinjal, Tomato, Potato, Chilli, Cole crops etc.)	Sowing / planting / Vegetative stage	<ul style="list-style-type: none"> • Farmers should use straw or polythene as a mulching material to maintain soil temperature in newly planted vegetable crops to maintain soil temperature as well as moisture in field. • 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 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

		<p>operation is advised in case of crop 15 to 20 days crop.</p> <ul style="list-style-type: none"> Past weather condition is favourable for aphid attack and white rust infestation 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 during upcoming week.

Note: Outlook of Weather Forecast for next two weeks (22nd December, 2023 to 4th January, 2024) Ref:-IMD, MC, Bhubaneswar on dated: 21.12.2023

Mainly dry weather very likely to prevail over the districts Odisha during week-1(22nd to 28th December 2023). Isolated dense fog is likely to occur during 1st half of week-1 over the districts of Odisha. Minimum temperature (Night temperature) is likely to increase by 2-3⁰C at many places over the districts of Odisha during 1st half of week-1 and it is likely to be near normal over the districts of Odisha during week-1.

Mainly dry weather very likely to prevail over the districts Odisha during week-2(29th December 2023 to 4th January 2024). Minimum temperature (Night temperature) is likely to be near normal at most places over the districts of Odisha during week-2.

<p>Ms. Jubuli Sahu Junior Agrometeorologist, GKMS, RRTTS, Chiplima</p>	<p>Dr. Sanjukta Mohapatra ADR & Nodal Officer RRTTS, Chiplima</p>
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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.lightening.live.damini>)