



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



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Week no - 49

Date: 09.12.2025

West Central Table Land Zone

District-Sonepur

REALISED MAXIMUM & MINIMUM TEMPERATURE RECORDED IN THE OBSERVATORIES AND DISTRICT
 AVERAGE RAINFALL DURING THE PERIOD: 03.12.2025 to 09.12.2025

DATES	MAX TEMP (°C)							MIN TEMP (°C)							RAINFALL (mm)						
	03	04	05	06	07	08	09	03	04	05	06	07	08	09	03	04	05	06	07	08	09
Sonepur	26	27	25	26	26	26	27	14	14	14	12	12	10	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Weather forecast for next 5 days

Date	10-12-2025	11-12-2025	12-12-2025	13-12-2025	14-12-2025
Rainfall (mm)	0	0	0	0	0
Max Temperature (° C)	26	26	26	27	27
Min Temperature (°C)	10	9	9	11	11
Total cloud cover (okta)	3	2	2	1	2
Max Relative Humidity (%)	58	60	60	59	64
Min Relative Humidity (%)	23	21	21	22	28
Wind speed (km/h)	2	2	2	1	2
Wind direction (deg)	281	323	307	225	117

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

Weather Summary/Alert:

According to medium range weather forecast of IMD, MC, Bhubaneswar, there is very less chance of rainfall and mainly clear to partly cloudy sky is expected during upcoming week. Slight decrease in both Maximum and Minimum temperature is expected in upcoming 5 days as cold wave condition is prevailed. Moderate relative humidity along with a wind speed of 1-2 km/h is predicted in north-westerly, south-westerly and north-easterly direction.

General Advisory

- Looking to the cold wave condition, farmers are advised to apply light, protective irrigation to the crops, as moist soil retains heat better than dry soil, which can help raise the temperature around the plants.
- High humidity and persistent leaf wetness create a conducive environment for fungal and other diseases. Foggy conditions can lead to increased infestation of certain pests, such as aphids on vegetables, beans, and mustard. So, its regular monitoring should be advised.
- Farmers those are using android mobile should use Meghdoot mobile app for IMD weather forecast and agrometeorological advisory of Odisha in both Odia languages. Damini mobile app for thunderstorm and lightening information and Mausam app for location specific forecast and warning.

SMS Advisory

- Do not apply nutrient to soil during cold weather because plant can't uptake due to poor root activity.

Crop and livestock Specific Agromet Advisory

Name of the crop	Crop Stage	Agromet Advisories
Kharif Rice	Storage/ Stored grain pest management	<ul style="list-style-type: none"> For safe storage of paddy/rice, use 'Super Grain Bag' which is helpful for retaining the quality, texture, color, aroma and taste for longer period of time and also prevents insect pest infestation. Soon after noticing the infestation of the stored grain insect pest, take up fumigation by using Aluminium phosphide (do not use in dwelling

		houses) tablets @ of 3 tablets/ ton grain (total 9 gm of tablets) in fairly air tight containers or by covering with thick tarpaulin leaving no gaps. The tablets should be wrapped in cotton pouches before placing them in the stacks. All the corners of plastic cover should be plastered with 6-inch-thick layer of mud/ adhesive tapes to prevent leakage of gas. Minimum exposure period is for about 7-10 days.
Rabi Rice	Field preparation/ Nursery sowing	<ul style="list-style-type: none"> • Farmers should started nursery preparation for summer season rice. • Looking to the prevailing cold weather condition, farmers are advised to cover the nursery beds with polythene sheet during night in rice nursery and remove in the morning. Irrigate the nursery beds in the evening and drain out the water in the morning.
Rapeseed/ Mustard	Vegetative/ Flowering	<ul style="list-style-type: none"> • Thinning of mustard crop should be advised at 15-25 days old crop for better plant growth. • To protect the mustard crop from cold wave, spraying of dilute Sulphuric Acid @ 0.1% (1 litre H₂SO₄ in 1000 litres of water) or thiourea @ 500 ppm (500 gm thiourea in 1000 litres of water) should be advised.
Vegetable crops	Nursery bed preparation / Sowing/ Vegetative	<ul style="list-style-type: none"> • Keeping in view of the prevailing cold weather condition, farmers should cover the seeds with a fine layer of soil after sowing and provide light watering using water can. • Cover the beds with dry straw or grass until germination is complete to maintain moisture and temperature, removing the cover immediately after seedling emergence. • Prevailing weather condition is favorable for sucking insect attack in vegetable crops. So regular monitoring should be advised.
Cows and Buffalos		<ul style="list-style-type: none"> • To protect the animal from cold, they should kept inside the sheds during night and provide dry bedding and ensure access to unfrozen water and extra food to generate body heat. • Ensure proper ventilation in animal sheds to manage humidity levels. • Deworm animals and maintain proper hygiene in sheds to reduce susceptibility to diseases during damp condition.

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- For better agricultural benefits, use **OUAT KALINGA** products (Seedling, Sapling & QPM, Tissue Culture Plants, Fruits and Vegetables, Value Added Products, Fingerling/Yearlings, Poultry chicks, Breeds, Mushroom & Spawn, Bio-Fertilizer, Bio-Pesticides, Vermi & Vermicompost and Farm Implements.)
- 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 and **MAUSAM app** for location specific forecast and warning.