



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



No. 99 (English Bulletin)

Week no - 50

Date: 12.12.2025

West Central Table Land Zone

District-Sonepur

**REALISED MAXIMUM & MINIMUM TEMPERATURE RECORDED IN THE OBSERVATORIES AND DISTRICT
 AVERAGE RAINFALL DURING THE PERIOD: 06.12.2025 to 12.12.2025**

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

Weather forecast for next 5 days

Date	13-12-2025	14-12-2025	15-12-2025	16-12-2025	17-12-2025
Rainfall (mm)	0	0	0	0	0
Max Temperature (° C)	27	27	27	27	27
Min Temperature (°C)	10	11	11	11	11
Total cloud cover (okta)	0	1	2	0	1
Max Relative Humidity (%)	67	66	69	71	78
Min Relative Humidity (%)	24	27	28	29	33
Wind speed (km/h)	1	3	2	2	2
Wind direction (deg)	90	130	101	76	225

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 clear to partly cloudy sky is expected during upcoming week. No large change in both Maximum and Minimum temperature is expected in upcoming 5 days. Slight increase in relative humidity along with a wind speed of 1-3 km/h is predicted in easterly, south-easterly, north-easterly and south-westerly direction.

General Advisory

As per the extended range forecast of MC, Bhubaneswar on dated: 11.12.2025,

- Dry weather is very likely to prevail over the districts of Odisha during both **week-1 (12th to 18th December, 2025)** and **week-2 (19th to 25th December, 2025)**. So, farmers are advised to complete their harvesting operations as soon as possible.
- Minimum temperature departure is likely to be markedly below normal at one or two places over the districts of interior Odisha and below normal to appreciably below normal over rest districts of Odisha during **week-1** and likely to be normal to below normal over the districts of Odisha during **week-2**. Looking to the prevailing cold weather 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 agro-meteorological 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.

Ms. Jubuli Sahu
Junior Agrometeorologist,
GKMS, RRTTS, Chiplima

Dr. Sanjukta Mohapatra
ADR cum Nodal Officer
RRTTS, Chiplima

- 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.