



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



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Week no - 50

Date: 16.12.2025

West Central Table Land Zone

District-Sonepur

REALISED MAXIMUM & MINIMUM TEMPERATURE RECORDED IN THE OBSERVATORIES AND DISTRICT
 AVERAGE RAINFALL DURING THE PERIOD: 10.12.2025 to 16.12.2025

DATES	MAX TEMP (°C)						MIN TEMP (°C)						RAINFALL (mm)								
	10	11	12	13	14	15	16	10	11	12	13	14	15	16	10	11	12	13	14	15	16
Sonepur	27	27	26	26	27	26	26	11	10	10	11	11	12	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Weather forecast for next 5 days

Date	17-12-2025	18-12-2025	19-12-2025	20-12-2025	21-12-2025
Rainfall (mm)	0	0	0	0	0
Max Temperature (° C)	29	29	29	29	30
Min Temperature (°C)	10	10	10	10	10
Total cloud cover (okta)	1	0	0	0	0
Max Relative Humidity (%)	69	57	49	53	53
Min Relative Humidity (%)	22	17	18	19	20
Wind speed (km/h)	2	2	2	2	3
Wind direction (deg)	45	233	288	360	277

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 mainly clear sky is expected during upcoming week. No large change in both Maximum and Minimum temperature is expected in upcoming 5 days. Moderate relative humidity along with a wind speed of 2-3 km/h is predicted in north-easterly, south-westerly, north-westerly and northerly direction.

General Advisory

- 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.
- Where irrigation facilities are available, grow short duration rabi crops like, Green gram, Cowpea in medium/shallow lowlands utilizing the available soil moisture in the field.
- High humidity and persistent leaf wetness create a conducive environment for fungal and other diseases. Past cold and foggy conditions may lead to increased infestation of certain pests, such as aphids on vegetables, beans, and mustard. So, its regular monitoring should be advised.

SMS Advisory

- Farmers should start variety selection and nursery preparation for summer/rabi season rice cultivation.

Crop and livestock Specific Agromet Advisory

Name of the crop	Crop Stage	Agromet Advisories
Kharif Rice	Stored grain pest management	<ul style="list-style-type: none"> 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 start nursery bed preparation for summer/rabi 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. • Past weather condition is favourable for aphid and mustard sawfly attack in mustard crop so its regular monitoring 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 in nursery bed 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 and blight 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 (If possible, use jute bag to cover the animal and straw as bedding material) 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.