



Agromet Advisory Bulletin

Date : 2025-12-19

Weather Forecast of District GAJAPATI (Odisha) Issued On : 2025-12-19 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-12-20	2025-12-21	2025-12-22	2025-12-23	2025-12-24
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	30.0	30.0	30.0	30.0	30.0
Tmin(°C)	13.0	13.0	13.0	12.0	12.0
RH-I(%)	82	83	86	84	84
RH-II(%)	34	37	37	37	37
Wind Speed(kmph)	3	3	2	3	2
Wind Direction(Degree)	344	346	90	90	321
Cloud Cover(Octa)	2	3	3	2	1
Warning	No Warning	No Warning	No Warning	No Warning	No Warning

Forecast Summary:

According to the weather forecast received from India Meteorological Department, the district is likely dry up to Tuesday with mainly clear sky. The wind speed is likely to remain 02.6 kmph for the next five days. The daily average maximum and minimum temperature may remain 30.0°C and 12.6°C respectively. Average Relative humidity during the morning and the afternoon may range between 84 percent and 36 percent respectively.

Weather Warnings (Valid Till 08:30 IST of the next day)

No warning

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

No impact

General Advisory:

The mean maximum daily temperature was 30.3°C and the mean minimum daily temperature was 12.7°C of the Gajapati district during the last week. The district received 00.0 mm of rainfall during the last week. As per extended range forecast received from IMD, Dry Weather is very likely to prevail over the districts of Odisha during week-1. Minimum temperature is very likely to be in the range of 10-16°C over coastal and adjoining districts of Odisha and 06-12°C over the interior districts of Odisha during week 1. Minimum temperature departure is likely to be markedly below normal at one or two places over the districts of interior Odisha and normal to appreciably below normal over rest districts of Odisha during week 1(19th December, 2025 to 25th December, 2025). Dry Weather is very likely to prevail over the districts of Odisha during week-2. Minimum temperature is very likely to be in the range of 12-16°C over coastal and adjoining districts of Odisha, and 06-14°C over the interior districts of Odisha during week 2. Minimum temperature departure is likely to be normal to appreciably below normal over the districts of Odisha during Week 2 (26th December, 2025 to 01st January, 2026). In prevailing weather condition (very low night temperature), farmers are advised to provide light irrigation to standing crops to reduce cold injury and maintain soil temperature. Prefer irrigation during

late afternoon/evening hours to minimize frost formation. Avoid top dressing of nitrogenous fertilizers during cold wave conditions to prevent crop stress. Cover newly transplanted vegetable seedlings with straw or polythene sheets during night hours. Provide lukewarm drinking water and energy-rich feed like jaggery, oilseed cakes, grains etc to the livestock.

SMS Advisory:

Avoid exposing animals to early morning frost and cold winds.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE	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 g 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.
COTTON	Picking should be done when there is complete bursting of bolls. Dry the seed cotton on concrete floor or tarpaulin sheets to reduce the moisture to 8-10%. Farmers are advised to sell their seed cotton in the nearby “Mandi” to get MSP (Rs.7521/qt) for long staple cotton.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
Menacinakahi	To control aphids and thrips in chilli during primary stage of pest infestation spray neem-based pesticide 1500 PPM @ 600-ml/acre by mixing in 200-litre of water. Spray Thiamethoxam 25 % WG @ 40g/acre or Acetamiprid 20% S.P. @ 50g/acre or Profenophos 40 % + Fenpyroximate 2.5 % EC @ 400-ml/acre.
CHILLI	To control aphids and thrips in chilli during primary stage of pest infestation spray neem-based pesticide 1500 PPM @ 600-ml/acre by mixing in 200-litre of water. Spray Thiamethoxam 25 % WG @ 40g/acre or Acetamiprid 20% S.P. @ 50g/acre or Profenophos 40 % + Fenpyroximate 2.5 % EC @ 400-ml/acre.
CAULIFLOWER	To manage Diamond Back Moth install 6-8 nos of light traps per acre. During primary stage of pest infestation spray neembased pesticide (Azadirachtin) 300 PPM @ 1-litre/acre by mixing in 200-litre of water. Spray Tolfenpyrad 15 % EC @ 400-ml/acre or Flubendiamide 20 % WG @ 20-gram/acre or Emamectin Benzoate 5 % SG @ @80-gram/acre by mixing in 200-litre of water.
TOMATO	Use yellow sticky traps @ 8-10/acre to attract and kill the insects. During primary stage of pest infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @ 600 ml/acre by mixing in 200 litre of water. Spray Thiamethoxam 25 % WG @ 40 g/acre or Pyriproxifen 10% EC @ 200 ml/acre or Spiromesifen 22.9% SC @ 250 ml/acre by mixing in 200 litre of water.
CABBAGE	Apply borax @ 4-kg/ acre as soil application during transplanting in Cole crops to prevent Brown rot. If Borax was not applied during transplanting of seedlings than spray Borax @ 2.5-gram/litre or Folibor /Solubor @ 1.5 gram/litre. Spraying of Boron micronutrient should be done after two weeks of transplanting and two weeks before curd formation.
TOMATO	Due to decrease in minimum temperature condition there may be chances of late blight in tomato, to avoid late blight precaution must be taken during the initial infection stage. Spray 2.5g Metalaxyl + Mancozeb/lit of water .Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	Animal's shed and its floor should not remain wet and cool for longer periods of time. This may expose the animals, especially younger ones, to various ailments like pneumonia, fever, coccidiosis, diarrhoea and even death in severe case. Good ventilation must be ensured during winter.

Fisheries Specific Advisory:

Fisheries	Fisheries Specific Advisory
COMMON CARP	During winters, there is a possibility of "EUS" disease in fish. Farmers are advised to apply Cifax @ 400 ml mixed with 40 litre of water in one acre pond area as a preventive measure. The fishes should be fed daily with oil cake bran mixture at the rate of 2-3 % of their total biomass.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
CHICKEN	In winter number of feeders should be increased. Feed should be available to the bird for the whole day. For maintaining the heat in the poultry shed, install heaters in the shed. Use 200W bulbs to generate heat in small scale operations. Carry out necessary vaccinations as and when required.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
PLANT PROTECTION	To control leaf eating caterpillar and fruit borer in winter vegetables like Brinjal, Cauliflower, Cabbage, Chilly & tomato apply 0.5 g Emamectin benzoate or 0.4 ml Spinosad per liter of water.

Likely impacts of weather warnings (General)

No impact

Impact based advisories (General)

No impact

Farmers are advised to download Unified "Mausam" and "Meghdoot" android application on mobile for Weather forecast and weather based Agromet Advisories and "Damini" android application for forecast of Thunderstorm and lightning.

Mausam MobileApp link: <https://play.google.com/store/apps/details/>

Meghdoot MobileApp link: https://play.google.com/store/apps/details

Damini MobileApp link : https://play.google.com/store/apps/details