



**Gramin Krishi Mausam Sewa**  
**District Level Agromet Advisory Bulletin**  
 Orissa University of Agriculture & Technology,  
 Bhubaneswar



## Agromet Advisory Bulletin

Date : 15-12-2023

Weather Forecast of District GAJAPATI(Odisha) Issued On : 2023-12-15(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-12-16	2023-12-17	2023-12-18	2023-12-19	2023-12-20
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	30.0	30.0	29.7	29.0	29.0
Tmin(°C)	16.0	16.0	16.0	15.0	15.0
RH-I(%)	69	73	73	66	69
RH-II(%)	33	31	34	34	29
Wind Speed(kmph)	4	4	4	4	5
Wind Direction(Degree)	146	158	144	120	135
Cloud Cover(Octa)	0	0	4	6	0

### Weather Summary/Alert:

According to the weather forecast received from India Meteorological Department, the district is likely to dry with clear to generally cloudy sky up to Tuesday. The wind speed is likely to remain within 04.0 to 05.0 kmph for the next five days. The daily maximum and minimum temperature may range from 29.0°C to 30.0°C and 15.0°C to 16.0°C respectively. Relative humidity during the morning and the afternoon may range between 66 to 73 percent and 29 to 34 percent respectively.

### General Advisory:

The mean maximum daily temperature was 31.0°C and the mean minimum daily temperature was 18.1°C of the Gajapati district during the last week. The district received 0.3 mm of rainfall during the last week. Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. Due to low night temperature and fog condition, there will be chance of infestation of sucking pests, leaf blight, powdery mildew in the Rabi crops and vegetables. Monitor the crops and vegetables, if symptoms are noticed, undertake appropriate plant protection measures. Carry out weeding, hoeing and other intercultural operations in Rabi vegetables. In Cole crops irrigation should be done at 7-8 Days interval depending upon soil moisture and weather condition. In winter during cold hours farmers should keep doors, windows and open spaces in cow sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. For maintaining the heat in the poultry shed during winter season, install heaters in the shed.

### SMS Advisory:

Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

### Crop Specific Advisory:

Crop(Varieties)	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

Crop(Varieties)	Crop Specific Advisory
	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.
BLACK GRAM	There is a chance of powdery mildew disease in Black gram and Green gram. To control this disease, spray Sulphur 80% WP @800 g/acre or Hexaconazole 5% E.C @ 300 ml/acre.

### Horticulture Specific Advisory:

Horticulture(Varieties)	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 @ 40 g/acre or Acetamiprid 20% S.P. @ 50 g /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 @ 40 g/acre or Acetamiprid 20% S.P. @ 50 g /acre or Profenophos 40 % + Fenpyroximate 2.5 % EC @ 400-ml/acre.
CABBAGE	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.

### Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Provide proper shelter to the animals with proper ventilation facilities. Floor should be clean, dry and bedding with straw which act as insulation and prevention of heat loss. In winter season animal required high amount of food as temperature drops. Roughage should be given high amount to maintain the milk production. Maize, wheat and concentrate oil cakes @ 3 kg to the large animals such as Buffalo and cattle feeding helps in maintaining the body heat of the animals.

### Fisheries Specific Advisory:

Fisheries(Varieties)	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.

### Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)(Varieties)	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.