



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



## Agromet Advisory Bulletin

Date : 05-01-2024

Weather Forecast of District GAJAPATI(Odisha) Issued On : 2024-01-05(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-01-06	2024-01-07	2024-01-08	2024-01-09	2024-01-10
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	30.0	30.0	29.0	29.0	29.0
Tmin(°C)	17.0	18.0	18.0	17.0	16.0
RH-I(%)	70	84	74	66	68
RH-II(%)	28	27	35	30	31
Wind Speed(kmph)	5	5	4	4	4
Wind Direction(Degree)	112	124	115	116	180
Cloud Cover(Octa)	0	1	2	2	1

### Weather Summary/Alert:

According to the weather forecast received from India Meteorological Department, the district is likely to dry with clear to mainly clear 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 between 29°C to 30.0°C and 16.0°C to 18.0°C respectively. Relative humidity during the morning and the afternoon may range between 66 to 84 percent and 27 to 35 percent respectively.

### General Advisory:

The mean maximum daily temperature was 29.7°C and the mean minimum daily temperature was 16.7°C of the Gajapati district during the last week. The district received 0.0 mm of rainfall during the last week. Continue the sowing of pre-germinated treated paddy seeds in puddled soil either broadcasting or by using drum seeder. Maintain only a thin film of water for proper establishment and early growth of Rice seedlings. During cool winter days to protect the rice nursery from cold injury, apply a thin layer of well decomposed FYM after sowing of seeds in wet bed to keep the bed relatively warm. Preferably use bore well water for irrigation at evening and drain out the cold water at morning to maintain the soil temperature favourable for growth. In severe cold affected areas use polythene cover at night time.

### SMS Advisory:

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

### Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE	Arrange good quality paddy seed varieties like Satyabhama, Sahabhagi Dhan, Mandakini, Manaswini, DRR 42, DRR-43, DRR-44, Bina 11, GB-1, Improved Lalat, MTU 1010, MTU 1001, Naveen, Swarna Shreya which can be grown during dry season. Seed rate for an acre of land is 20 kg for these varieties. Treat the seeds with Carbendazim 50% W.P @ 2-gram/1-kg of

Crop (Stage)	Crop Specific Advisory
	seeds or Carboxin 37.5% + Thiram 37.5 % @ 3- gram /1 kg of seeds before sowing in the nursery.

### 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 @ 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.
TOMATO	To control fruit borer in Tomato, first collect and destroy the affected fruits and grown up larvae. Set up 20 nos. of pheromone trap having Helilure per acre. Go for spraying of insecticide if there are 10% fruits infested with borer. Spray Chlorantraniliprole 18.5% S.C @ 80 ml/acre or Flubendiamide 39.5 % M/M S.C @ 40 ml/acre or Indoxacarb 14.5% S.C. @ 200 ml/acre. Use any of the above insecticides alternately at 15 days interval.

### Live Stock Specific Advisory:

Live Stock	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.
GOAT	PPR disease also known as 'Goat Plague' is common during winter. This viral disease that affects goats and sheep which causes sudden fever, pneumonia and coughing. Affected animals appear restless, have a dull coat, dry muzzle and depressed appetite. Pregnant animals may abort. Vaccinate the animals.

### Fisheries Specific Advisory:

Fisheries	Fisheries Specific Advisory
COMMON FISH	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 whole of the day. During winter season birds take less water so far maintenance of water in the body, it is necessary to give continuous supply of fresh water which can be taken by the bird. 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.