



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



Agromet Advisory Bulletin

Date : 12-01-2024

Weather Forecast of District GAJAPATI(Odisha) Issued On : 2024-01-12(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-01-13	2024-01-14	2024-01-15	2024-01-16	2024-01-17
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	32.0	31.3	30.0	31.0	30.6
Tmin(°C)	16.0	15.0	15.0	16.0	17.0
RH-I(%)	95	90	94	96	95
RH-II(%)	36	25	24	34	40
Wind Speed(kmph)	4	5	4	5	6
Wind Direction(Degree)	202	207	199	198	198
Cloud Cover(Octa)	1	0	0	0	4

Weather Summary/Alert:

According to the weather forecast received from India Meteorological Department, the district is likely to dry with clear to partly clear sky up to Tuesday. The wind speed is likely to remain within 04.0 to 06.0 kmph for the next five days. The daily maximum and minimum temperature may range between 3°C to 32.0°C and 15.0°C to 17.0°C respectively. Relative humidity during the morning and the afternoon may range between 90 to 96 percent and 24 to 40 percent respectively.

General Advisory:

The mean maximum daily temperature was 31.6°C and the mean minimum daily temperature was 17°C of the Gajapati district during the last week. The district received 0.0 mm of rainfall during the last week. In view of prevailing low temperature, Provide light irrigation to standing vegetables and crops during morning hours. Farmers are advised to prepare nursery bed and treat the paddy seeds with Carbendazim 50% W.P @ 2 g/1kg of seeds or Carboxin 37.5% + Thiram 37.5 % @ 3 g /1 kg of seeds before sowing in the nursery. Spraying of pesticides to be done after 3 pm to protect the honey bee. Mulch vegetable seedling with straw or other mulching material to avoid cold injury.

SMS Advisory:

Cover the recently planted cole crops with paper pockets during night time to prevent from low temperature stress.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE	Arrange good quality paddy seed varieties like Satyabhama, Sahabhazi 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 seeds or Carboxin 37.5% + Thiram 37.5 % @ 3- gram /1 kg of seeds before sowing in the nursery.

Crop (Stage)	Crop Specific Advisory
MUSTARD	There are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre. Spray Neem based pesticide 1500 PPM @ 600-ml/acre by mixing in 200-litre of water. If the infestation is severe than spray chemical pesticide Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CAULIFLOWER	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.
CABBAGE	There are chances of infestation of Dimond Back Moth in early planted Cole crops. The damage is caused by the larvae that dig tunnels in the leaf tissues or scrap the epidermal leaf tissues of the lower surface of the leaf blade producing typical whitish patches on leaves. To manage this pest, install 6-8 nos of light traps per acre. During primary stage of pest infestation spray neem-based pesticide @ 1-litre/acre by mixing in 200-litre of water. To manage this pest chemically 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	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.

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.