



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



Agromet Advisory Bulletin

Date : 19-04-2024

Weather Forecast of District GAJAPATI(Odisha) Issued On : 2024-04-19(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-04-20	2024-04-21	2024-04-22	2024-04-23	2024-04-24
Rainfall(mm)	0.0	10.0	10.0	15.0	4.0
Tmax(°C)	41.0	40.0	39.0	38.0	38.0
Tmin(°C)	26.0	26.0	25.0	24.0	24.0
RH-I(%)	82	83	59	63	64
RH-II(%)	13	20	19	22	22
Wind Speed(kmph)	8	9	8	8	7
Wind Direction(Degree)	207	206	243	243	225
Cloud Cover(Octa)	1	6	7	7	3

Weather Summary/Alert:

According to the weather forecast received from India Meteorological Department, the district is likely to dry on Friday and thereafter may receive light rain up to Tuesday with mainly clear to generally cloudy sky. The wind speed is likely to remain within 07.0 to 09.0 kmph for the next five days. The daily maximum and minimum temperature may range between 38.0°C to 41.0°C and 24.0°C to 26.0°C respectively. Relative humidity during the morning and the afternoon may range between 59 to 83 percent and 13 to 22 percent respectively.

General Advisory:

The mean maximum daily temperature was 40.9°C and the mean minimum daily temperature was 24.3°C of the Gajapati district during the last week. The district received 01.4 mm of rainfall during the last week. Go for application of fungicides, insecticides or herbicides in the afternoon hour. Provide sufficient irrigation to crops to reduce excess temperature. Keep paddy fields ponded. Wait up to the end of the heatwave to transplant summer vegetable seedlings, otherwise plant in the evening and cover with paper cap during daytime. Cover the freshly prepared vegetable nursery with polythene or with straw. Apply mulches to maintain moisture status in the soil. Resort to drip and sprinkler irrigation practices wherever possible in the event of limited water availability particularly for commercial crops including fruit orchards and widely spaced vegetables.

SMS Advisory:

Harvest the matured products as soon as possible and keep them in a safe place.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
MANGO	In mango the drop of grownup fruits is now a major problem. This may be due to competition between developing fruits, lack of irrigation, adverse weather conditions and incidence of serious pest and diseases. This can be avoided by regular irrigations during fruit development, application of optimum doses of nutrients for effective control of pests and diseases and

Horticulture (Stage)	Horticulture Specific Advisory
	some hormonal sprays like 2,4-D (10-30ppm), NAA (5-50ppm), 2,4,5-T (20ppm), etc. Protect the mangoes in trees by netting from hail storm and heavy wind. Withheld sowing, spraying of pesticide and irrigation activities for some days.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	Due to severe heat there is reduction of growth rate and milk production in animals and if the treatment is not provided in time then the animal may die. During scorching heat the animals should be tied under tree shed. If the roof the animal shed is made up of tin or asbestos, then put straw over it and sprinkle water on it from time to time. Cover the windows and doors of the shed with wet gunny bag and remove it after sun set. Do white washing over walls and the roof of the house. If you are keeping high producers then install fans, water sprinklers and other heat reducing instruments. If the animal is succumbed due to heat stress then apply ice and wet clothes over its head and call a Veterinarian as soon as possible.

Fisheries Specific Advisory:

Fisheries	Fisheries Specific Advisory
COMMON FISH	In case have stocked fingerlings in the pond for fish culture, fish farmers should monitor the quality and level of water, so also temperature. In case of water temperature goes above 30° C or water level goes below 1m depth, farmers are advised to go for early harvest and discontinue fish seed production and culture activity. Fish breeding and culture activity is discouraged.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
CHICKEN	Due to severe heat there is reduction of growth rate and egg production in poultry and if the treatment is not provided in time then the bird may die. While constructing poultry shed keep in mind that the direct sun rays shouldn't enter, there should be proper ventilation, the roof should be high and side walls should be low. Plant pumpkin or similar plants over roof to avoid direct sunlight. Spray water over the poultry birds but keep in mind that the litre material should not get wet. The poultry shed remain cool by hanging wet gunny bag over side walls. The litre should be turned from time to time because it holds heat and increases the temperature inside shed. Plant green plants around the shed.