



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



Agromet Advisory Bulletin

Date : 16-04-2024

Weather Forecast of District GAJAPATI(Odisha) Issued On : 2024-04-16(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-04-17	2024-04-18	2024-04-19	2024-04-20	2024-04-21
Rainfall(mm)	0.0	0.0	0.0	0.0	10.0
Tmax(°C)	42.0	42.0	43.0	43.0	41.0
Tmin(°C)	24.0	24.0	25.0	25.0	25.0
RH-I(%)	63	71	77	84	72
RH-II(%)	19	18	12	15	20
Wind Speed(kmph)	7	7	7	9	8
Wind Direction(Degree)	244	207	214	202	225
Cloud Cover(Octa)	0	0	0	4	6

Weather Summary/Alert:

According to the weather forecast received from India Meteorological Department, the district is likely to dry up to Friday and thereafter may receive light rain on Saturday with 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 from 41.0°C to 43.0°C and 24.0°C to 25.0°C respectively. Relative humidity during the morning and the afternoon may range between 63 to 84 percent and 12 to 20 percent respectively.

General Advisory:

The mean maximum daily temperature was 39.3°C and the mean minimum daily temperature was 23.7°C of the Gajapati district during the last week. The district received 00.0 mm of rainfall during the last week. As heat wave conditions are likely to prevail in isolated pockets over the district from 16th to 20th April 2024, apply light and frequent irrigation to the standing crops. Carry out mulching to minimize the loss of soil moisture. Use temporary shade nets to protect the fruit plants from high temperatures. Provide sufficient clean drinking water to farm animals and poultry birds. Keep the poultry shed cool by using wet gunny bags around the structure.

SMS Advisory:

Cover with paper caps on the newly planted vegetable seedlings during day time.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
BRINJAL	To manage whiteflies pest in Tomato and Brinjal crop, 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. To manage this pest chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water.

Horticulture (Stage)	Horticulture Specific Advisory
PUMPKIN	To manage Downy Mildew disease in cucurbits spray Copper Hydroxide 77 % WP @ 3-gram/litre or Fosetyl -AL 80 % WP @ 3- gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.
OKRA/ LADYFINGER	To manage Yellow mosaic viral disease (YMV) disease whitefly management should be done. Diseased plants should be rogued out to prevent further spread of the disease. To manage whitefly infestation at early stage of crop spray Neem based pesticide 1500 PPM @ 600-ml/acre by mixing in 200-litre of water. If the infestation is severe than go for chemical pesticide like Thiamethoxam @ 40- gram/acre or Acetamiprid @ 50-gram/acre by mixing in 200-litre of water. To prevent whitefly infestation in okra seeds should be treated with Imidacloprid @ 7-gram/kg of seeds before sowing. Install 8-10 nos of yellow sticky traps starting from 2-3 leaf stage of the crop.
Menacinakahi	There are chances of fruit rot and die back disease incidence in chilli crop. To manage these disease spray Propineb 70 % WP @ 500 gram/acre or Difenoconazole 25 % EC @ 100-ml/acre or Azoxystrobin 23 % SC @ 200-ml/acre. The fungicide should be sprayed first just before flowering and second at fruit formation stage.
CHILLI	There are chances of fruit rot and die back disease incidence in chilli crop. To manage these disease spray Propineb 70 % WP @ 500 gram/acre or Difenoconazole 25 % EC @ 100-ml/acre or Azoxystrobin 23 % SC @ 200-ml/acre. The fungicide should be sprayed first just before flowering and second at fruit formation stage.
MANGO	To control mango hoppers spray Imidacloprid 17.8% SL @ 5 ml/15 litre of water or Thiamethoxam 25% W.G @ 3ml/15litre of water or Acetamiprid 20% S.P. @ 4g /15litre of water. Application of smoke below the plants can also help in reducing the pest population.

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.

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.