



Agromet Advisory Bulletin

Date : 2025-08-12

Weather Forecast of District GAJAPATI (Odisha) Issued On : 2025-08-12 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-08-13	2025-08-14	2025-08-15	2025-08-16	2025-08-17
Rainfall(mm)	17.0	25.0	20.0	20.0	15.0
Tmax(°C)	35.0	34.0	33.0	33.0	34.0
Tmin(°C)	24.0	24.0	24.0	24.0	24.0
RH-I(%)	93	95	96	94	93
RH-II(%)	64	68	69	68	70
Wind Speed(kmph)	2	3	3	2	3
Wind Direction(Degree)	334	34	27	18	315
Cloud Cover(Octa)	7	8	7	7	6
Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Heavy Rain; Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Heavy Rain; Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Heavy Rain; Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds

Forecast Summary:

According to the weather forecast received from India Meteorological Department, the district is likely to receive light to moderate rain up to Saturday with generally cloudy to overcast sky. The wind speed is likely to remain within 02.0 to 03.0 kmph for the next five days. The daily maximum and minimum temperature may range from 33.0°C to 35.0°C and 24.0°C respectively. Relative humidity during the morning and the afternoon may range between 93 to 96 percent and 64 to 70 percent respectively.

Weather Warnings (Valid Till 08:30 IST of the next day)

YELLOW WARNING (BE AWARE): - Thunderstorms & Lightning, Squall etc; Strong Surface Winds

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Lodging of vegetable crops Damage to Nursery Damage and lodging of fruit crops Water logging in fields

General Advisory:

The mean maximum daily temperature was 35.0°C and the mean minimum daily temperature was 24.4°C of the Gajapati district during the last week. The district received 27.6 mm of rainfall during the last week. In low land, go for transplanting of 21 days rice seedlings in the main field. In medium lands the duration of the rice variety should be of shorter duration (less than 10-15 days) than normal where sowing/ nursery raising has not been done. Varieties such as Sahabhagi Dhan, Bina 11, DRR 39, 42, Mandakini may be taken. In paddy field where herbicide has not been applied, “Beushaning” may be done after accumulation of enough water (at least 7-10 cm standing water) at 25-30 days after sowing. Make provisions for drainage, where kharif maize or pulses etc. have been sown. Cover the vegetable nursery with polythene to protect it from heavy rain and make drainage arrangement. As thunderstorm with lightning are expected for the upcoming two days, so farmers are advised to stop all outdoor activities once you hear thunder or see lightning. Do not take shelter under tall trees, electric poles, or isolated sheds. If no shelter is available, crouch low with your feet together in an open area. Keep the animal sheds clean and dry. Provide sufficient foods and water to animals and keep the foods in safer place to protect from heavy rain.

SMS Advisory:

Keep rain water in the main rice field by bunding for timely puddling and transplanting. Beusaning in direct sown paddy.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Tillering)	During clear weather condition to manage Swarming Caterpillar in paddy, spray Chlorpyrifos 50 % + Cypermethrin 5 % EC @ 400-ml/acre or Lambda-cyhalothrin @ 400-ml/acre. As the pest is nocturnal in behaviour spraying of pesticide should be done in the evening hours for better result. Farmers who have transplanted or broadcasted, after cessation of rain should spray post-emergence herbicide like Bispyribac Sodium @ 80-ml/ acre or tank mix of Fenoxaprop-p-ethyl 9.3 % W/W EC+ Ethoxysulfuron 15 % WDG @ 250 ml + 50-g /acre at 15-20 DAS in moist soil (When the weeds are at 3-4 leaf stage) by mixing in 200-litre of water. Drain out water from paddy field before spraying of herbicide and irrigate the field after 2-3 days.
MAIZE (Vegetative)	Drain out excess water from the field. If there is infestation of Fall Army Worm, spray biopesticide Beauveria bassiana @ 1200 g/acre by mixing in 200 litres of water. Use 10-12 bird perches per acre and remove them before tasseling stage. Dust mixture of sand, soil and wooden ashes inside the leaf whorl so that the caterpillars cannot feed on the leaves. After completion of rain for chemical control, spray Emamectin Benzoate 5 % S.G @ 80 g / acre or Spinetoram 11.7% S.C @ 100 ml/ acre or Chlorantraniliprole 18.5% S.C @ 80ml/ acre after mixing in 200 litres of water.
GROUNDNUT (Vegetative)	There are chances of Leaf Miner, Aphids and Thrips infestation in early sown Groundnut crop. To manage these pests at early stage of infestation spray neem-based pesticide (Neem Oil 1500 PPM) @ 600-ml/acre by mixing in 200-litre of water. To manage these pests chemically spray Thiamethoxam 25 % WG @ 40-gram /acre or Emamectin Benzoate 5 % SG @ 80- gram/acre by mixing in 200 litre of water.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
PUMPKIN (Fruit formation)	Mostly affected crops are Cucumber & Pumpkin. To manage cucumber mosaic virus, after cessation of rain, spray any systematic pesticide like Thiomethoxam @ 80 g/acre or Acetamiprid @ 80 g/acre.
TOMATO (Planting)	August and September is the optimum time for Tomato planting. Grow Tomato varieties like Utkal Kumari (BT-10), Utkal Deepti (BT-2), Utkal Raja, Utkal Pragyan and Swarna Sampad. For one acre planting 150 to 200 grams of seeds are required.
BRINJAL (Vegetative)	Those farmers who have already transplanted brinjal in main field should apply 30-kg of Urea and 20-kg of MOP per acre after hoeing and weeding at 30 DAT. Rest 30 -kg of urea should be applied as last top-dressing fertilizer at 45 DAT.
OKRA/ LADYFINGER (Harvesting)	There are chances of sucking pest like aphids, Jassids, thrips and whiteflies in Okra due to present weather condition. During clear weather condition to manage these pests at early stage of infestation spray neem-based pesticide (Neem Oil) 1500 PPM @600-ml/acre by mixing it in 200-litre of water. To manage these sucking pests chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre or Tolfenpyrad 15 % EC @ 400-ml/acre by mixing it in 200-litre of water.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	Mastitis is common in rainy season in milch cattle. Wet, unclean or dirty sheds during rainy season causes severe mastitis which in turn induces fibrosis of udder and milk production is reduced or stopped or presence of flakes in the milk. Vaccination is to be done against Mastitis.

Fisheries Specific Advisory:

Fisheries	Fisheries Specific Advisory
COMMON FISH	There are nearly 12 lakh spawns can be stocked in an acre pond. The natural food in the pond is not enough for spawns, so you should give rice bran and groundnut oil cake in 1:1 ratio twice a day after stocking in pond. During the first 6 days of stocking, 7.2 kg of feed will be given to 12 lakh spawns. Then, for next 15 days, 14.4 kg feed will be given. After 21 days of stocking, they will change to fry.

Likely impacts of weather warnings (General)

Lodging of vegetable crops Damage to Nursery Damage and lodging of fruit crops Water logging in fields

Impact based advisories (General)

1. Lodging of vegetable crops • Open drain and channels in vegetable fields to facilitate drainage of excess water. • Harvest the vegetables like cauliflower and cabbage if heads are ready to use. • Pick matured fruits as soon as earlier and send to market • Hilling, earthing up or ridging should be done in vegetables plants. • Withhold spraying of pesticides and irrigation for the time being. Cover the vegetable nursery with polythene sheet to save it from rain. • There are chances of wilt and root rot disease incidence in vegetable crops after the rain. To manage wilt disease in vegetable crops, drench the root zone with a solution of 1.5-gram Streptocycline and 20-gram Metalaxyl 8% + Mancozeb 64 % WP mixed in 10 litres of water. • Make strong support for trailing type vegetables. • Provide bamboo or

wooden stake to prevent lodging of tomato plants. 2. Damage to Nursery • Adequate drainage facilities in the nursery beds should be provided. • When there is raining, cover t

Farmers are advised to download Unified “Mausam” and "Meghdoot" android application on mobile for Weather forecast and weather based Agromet Advisories and "Damini" android application for forecast of Thunderstorm and lightening.

Mausam MobileApp link: <https://play.google.com/store/apps/details/>

Meghdoot MobileApp link: <https://play.google.com/store/apps/details>

Damini MobileApp link : <https://play.google.com/store/apps/details>