



Agromet Advisory Bulletin

Date : 2025-10-06

Weather Forecast of District GAJAPATI (Odisha) Issued On : 2025-10-06 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-10-07	2025-10-08	2025-10-09	2025-10-10	2025-10-11
Rainfall(mm)	15.0	14.0	12.0	11.0	10.0
Tmax(°C)	33.0	33.0	34.0	34.0	34.0
Tmin(°C)	24.0	25.0	25.0	25.0	26.0
RH-I(%)	96	96	96	94	94
RH-II(%)	71	74	72	71	70
Wind Speed(kmph)	2	2	2	2	2
Wind Direction(Degree)	281	297	315	321	334
Cloud Cover(Octa)	5	5	5	5	5
Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	No Warning

Forecast Summary:

According to the weather forecast received from India Meteorological Department, the district is likely to receive light rain up to Friday with generally cloudy sky. The wind speed is likely to remain unchanged 02.0 kmph for the next five days. The daily maximum and minimum temperature may range from 33.0°C to 34.0°C and 24.0°C to 26.0°C respectively. Relative humidity during the morning and the afternoon may range between 94 to 96 percent and 70 to 74 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 33.0°C and the mean minimum daily temperature was 23.6°C of the Gajapati district during the last week. The district received 193.3 mm of rainfall during the last week. For HYVs of rice apply 17 kg of Urea per acre at PI stage. In case of Light sandy soil, apply 17 kg Urea and 15 Kg of MOP per acre. For Hybrids apply 20 kg of Urea along with 20-kg of MOP at PI stage. To manage fungal and bacterial diseases (leaf blight, wilt, and rot) in different standing crops, spray (Metalaxyl+ Mancozeb) @ 2-gram/litre of water or (Carbendazim+ Mancozeb) @

2-gram/litre of water along with Plantomycin @ 1-gram/ litre of water. Keep the poultry farm neat & clean, select disease free chick's for farming & Provide adequate poultry feed & clean water to avoid Poultry bird diseases. Regular monitoring of the crop for incidence of pest and diseases should be done.

SMS Advisory:

There are chances of damping off disease in vegetable nursery. To manage it drench nursery bed with 2-gram Captan/litre of water or 2.5-gram Copper Oxychloride/litre of water.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Panicle Initiation)	Due to prevailing wet and humid conditions the attack of pests like Yellow stem borer and leaf folder may increase in the crop. To manage Leaf Folder and Case Worm pests in paddy spray Bifenthrin 10% EC @ 200 ml/acre or Lambda Cyhalothrin 5% EC @ 200-ml/acre or Fipronil 5% SC @ 400-ml/acre or Chlorantraniliprole 18.5% SC @ 60-ml /acre. Yellow stem borer management: To manage stem borer in paddy at early stage of crop, apply Cartap Hydrochloride 4%G @ 18.45-kg/ha or Chlorantraniliprole 0.4 % GR @ 10-kg/ha or Imidacloprid 0.3% G @ 15-kg/ha by mixing it with sand at 1:1 ratio. Leaf folder and case worm management: In paddy fields infested with leaf folder and case worm, apply mixture of 2.5-litre of kerosene and 50-kg of sand per ha and then move a string over the paddy crop by stretching at both the ends of the field. By this method the larva of insects falls to the water and gets killed. To manage Leaf Folder and Case Worm pests in paddy spray Fipronil 5% SC @ 1000-ml/ha or Profenophos 50% EC @ 1000-ml/ha or Chlorantraniliprole 18.5% SC @ 200-ml /ha. Bacterial Leaf Blight: To manage Bacterial Leaf Blight, spray Copper Hydroxide 53.8% DF 3g/ ltr or Copper Oxychloride 50%WP 3.0 g/ ltr. To manage Blast disease, spray Hexaconazole 5 % SC @ 400-ml/acre or Azoxystrobin 18.2% + Difenconazole 11.4 % S.C @ 200-ml/acre or Tebuconazole 50%+ Trifloxystrobin 25 % WG @ 80-gram/acre. To manage sheath blight disease chemically spray Validamycin 3 % L @ 400-ml/acre or Hexaconazole 5 % SC @ 400-ml/acre or Tebuconazole 50%+ Trifloxystrobin 25 % WG @ 80-gram/acre. The transplanted paddy is at tillering to PI stage in main field. The direct seeded crop is at ten to twelve-week stage. The present high humid weather condition and rainfall followed by clear sky is favourable for Brown Plant Hopper (BPH) and White Backed Plant Hopper (WBPH) infestation in paddy. To manage BPH and WBPH in paddy avoid excess use of nitrogenous fertilizer. Do not keeping standing water in the field for longer period. Alter the micro-climate of the rice field by alternate wetting and drying technique. Make alleys at 6 feet spacing for sunlight entry and proper aeration below the crop zone. If infestation of BPH occur (5-10 hoppers/hill), spray Neem Based Pesticide 1500 PPM @ 600-ml/acre at the base of the plant. If problem persists, spray Pymetrozine 50% WG @ 120 g/acre or Dinotefuran 20 % SG @ 80 g/acre or Flonicamid 50 % WG @ 60- gram/acre or Triflumezopyrim 10% SC @ 100 ml / acre at the base of the plant. Use only pesticides recommended for brown plant hopper at recommended dose only.
GROUNDNUT (Flowering)	Crop is at flowering stage. Due to the rain, there is a chance of occurrence of Tikka disease in Groundnut. To manage Tikka disease spray Chlorothalonil 75% WP @ 400-gram/ acre or Mancozeb 75% WP @ 600- gram/acre or Hexaconazole 5% E.C @ 300-ml/acre.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
MARIGOLD (Flower Initiation)	To manage Red Spider Mites in flower like Marigold and rose spray Propargite 57 % EC @ 2-ml/litre of water or Fenpyroximate 5 % EC @ 2-ml/litre of water.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Drain out excess water from paddy and non-paddy fields by keeping the drainends open. Withhold application of fertilizer and pesticide until rainwater recedes. Make arrangements for covering plastic cover or polythene sheet for vegetable nurseries like tomato, chilli and brinjal. After the receding of rainwater, wash the muddy leaves and remove the yellow leaves of the plants.
GENERAL ADVICE	Due to Depression over South Odisha, the district has received very heavy to extremely heavy rainfall. Due to which paddy crop in medium and lowland has become submerged in many places. In such cases drain out excess water from field if possible. There are chances of appearance of iron toxicity symptoms like lesser tillering, yellowing of leaves and stunted growth due to stagnant water. In such cases try to drain out stagnant water and apply 10-kg of MOP and 10-kg of Zinc Sulphate 21% per acre. If the wooden support or trellis of the Creeper vegetables has fallen due to heavy rain than keep it upright.
GENERAL ADVICE	There are chances of damping off disease in vegetable nursery. To manage it drench nursery bed with 2-gram Captan/litre of water or 2.5-gram Copper Oxchloride/litre of water.
GENERAL ADVICE	To manage wilt and rot 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.
PLANT PROTECTION	To manage the vectors of the yellow vein mosaic disease, install 8-10 Nos of Yellow sticky traps starting from 10-12 DAS. In case of severe infestations spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre by mixing it in 200-litre of water.

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 vegetable 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>