



Agromet Advisory Bulletin

Date : 2025-08-26

Weather Forecast of District GAJAPATI (Odisha) Issued On : 2025-08-26 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-08-27	2025-08-28	2025-08-29	2025-08-30	2025-08-31
Rainfall(mm)	60.0	40.0	30.0	20.0	10.0
Tmax(°C)	28.0	28.0	29.0	30.0	30.0
Tmin(°C)	24.0	24.0	25.0	25.0	26.0
RH-I(%)	95	95	95	94	93
RH-II(%)	80	77	78	74	71
Wind Speed(kmph)	5	5	5	6	5
Wind Direction(Degree)	279	279	254	256	262
Cloud Cover(Octa)	8	8	7	7	6
Warning	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	Heavy Rain; 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 to moderate rain up to Saturday with generally cloudy to overcast sky. The wind speed is likely to remain within 05.0 to 06.0 kmph for the next five days. The daily maximum and minimum temperature may range from 28.0°C to 30.0°C and 24.0°C to 26.0°C respectively. Relative humidity during the morning and the afternoon may range between 93 to 95 percent and 71 to 80 percent respectively.

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

ORANGE WARNING (BE PREPARED TO TAKE ACTION): - Heavy Rain; 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 30.6°C and the mean minimum daily temperature was 24.6°C of the Gajapati district during the last week. The district received 55.8 mm of rainfall during the last week. As per the district level weather warning issued by IMD, the district may likely to receive

light to moderate rainfall for the next five days. Make arrangements for draining out excess water from the field of Pulses, Maize, Groundnut and vegetables. Application of fertilizer & pesticides may be withheld for the time being. In Direct sown rice, 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. There are chances of incidence of both fungal and bacterial diseases like leaf blight, wilt, and rot in different standing crops. To manage these diseases, during clear weather condition spray (Metalaxyl+ Mancozeb) @ 2-gram/litre of water or (Carbendazim+ Mancozeb) @ 2-gram/litre of water along with Plantomycin @ 1-gram/ litre of water. Install yellow sticky trap @ 8 nos./acre to control & monitor sucking pests complex like Aphid, Jassids, Thrips & Whitefly in standing crops like maize, groundnut and pulses. As thunderstorm with lightning are expected for the next four 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.

SMS Advisory:

In view of five days weather forecast, withhold application of pesticides and fertilizers for next five days.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Tillering)	To Manage Blast diseases first drain out excess water from the paddy field. During clear weather condition, Spray Hexaconazole @ 400-ml/acre or Azoxystrobin + Difenconazole @ 200-ml/acre or Tebuconazole + Trifloxystrobin @ 80-gram/acre. After receding of rain water there is chance of infestation Swarming Caterpillar in paddy. To manage this spray Chlorpyrifos 50 % + Cypermethrin 5 % EC @ 400-ml/acre or Lambda-cyhalothrin @ 400-ml/acre in clear weather condition. As the pest is nocturnal in behaviour spraying of pesticide should be done in the evening hours for better result.
PIGEON PEA (RED GRAM/ARHAR) (Vegetative)	Provide adequate drainage channels to avoid water logging in the Arhar fields. There are chances of leaf webber infestation in Arhar crop. To manage leaf webber in Arhar spray Chlorpyrifos 50 % + Cypermethrin 5 % EC @ 400-ml/acre or Profenophos 50 % EC @ 400-ml/acre in clear weather condition.
MAIZE (Vegetative)	Present condition favours the maydis leaf blight disease in maize crop. To manage this disease after completion of rain, spray Mancozeb 75 % WP @ 400-gram/acre or Zineb 75 % WP @ @ 400- gram/acre or Carbendazim 12 % + Mancozeb 63 % WP @ 400-gram/acre.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
BRINJAL (Fruit formation)	There is a chance of fruit rot infestation in chilli and brinjal. To manage this spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water in clear weather condition.
PUMPKIN (Fruit formation)	There are chances of infestation of Downy Mildew disease in cucurbit vegetables after the heavy rainfall. To manage Downy Mildew disease in cucurbits, during clear weather condition 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.
PAPAYA (Fruit formation)	After completion of rain to manage mealy bug at early stage of infestation spray neem-based pesticide (Neem Oil 1500 PPM @30- ml/10-litre of water or insecticidal soap. In case of severe infestation spray Profenphos 50 % EC @ 20-ml/10-litre of water or Thiamethoxam 25 % WG @ 3-gram/10-litre of water.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	Keep the animal sheds clean and dry. Provide sufficient foods and water to animals. Proper vaccination should be given to them according to the Vaccination schedule.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
CHICKEN	Repair the poultry house to stop rain water from getting inside. Don't allow the litter material to get wet. Prevent the feed ingredients from getting wet which might lead to fungal growth in the feed.

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>