



Agromet Advisory Bulletin

Date : 2025-08-01

Weather Forecast of District GAJAPATI (Odisha) Issued On : 2025-08-01 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-08-02	2025-08-03	2025-08-04	2025-08-05	2025-08-06
Rainfall(mm)	5.0	4.0	4.0	7.0	10.0
Tmax(°C)	34.0	34.0	35.0	35.0	35.0
Tmin(°C)	25.0	25.0	25.0	26.0	26.0
RH-I(%)	91	89	88	89	90
RH-II(%)	63	65	62	61	63
Wind Speed(kmph)	6	6	3	3	2
Wind Direction(Degree)	280	277	360	278	280
Cloud Cover(Octa)	5	5	5	4	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	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 rain up to Tuesday with partly to generally cloudy sky. The wind speed is likely to remain within 02.0 to 06.0 kmph for the next five days. The daily maximum and minimum temperature may range from 34.0°C to 35.0°C and 25.0°C to 26.0°C respectively. Relative humidity during the morning and the afternoon may range between 88 to 91 percent and 61 to 65 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

Damage and lodging, Shattering of matured pods in rice, pulses and oilseeds 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 32.4°C and the mean minimum daily temperature was 24.9°C of the Gajapati district during the last week. The district received 10.0 mm of rainfall during the last week. Main field land preparation should be done by puddling the field twice at 7-10 days intervals and land levelling for uniform crop stand. Keep bunding water in the main rice field for timely puddling and transplanting. Do not keep standing water in paddy nursery. Cover the vegetable nursery with polythene to protect it from heavy rain and make drainage arrangement. 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. Proper vaccination should be given to them.

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 (Transplanting)	If infestation of thrips is noticed in rice nursery, spray NSKE (Azadirachtin) @ 800 ml/acre or Lambda-Cyhalothrin 5% EC @ 100 ml/acre or Thiamethoxam 25 % WG @ 40g /acre in clear weather condition. In clear weather condition, where direct seeding has already completed, to control weeds apply Bispyribac sodium 10% SC @ 120 ml/acre in 120 litres of water (8 tank of 16 lit capacity sprayer) at 8-10 days after emergence when the weeds are at 2-3 leaf stage as an alternate to manual weeding or Metsulfuron Methyl10%+Chlorimuron Ethyl10%WP@ 8 gram / acre at 15-20 DAS (When the weeds are at 3-4 leaf stage) by mixing in 200-litre of water or apply tank mix of Fenoxaprop-p-ethyl + Ethoxysulfuron @ 260 + 50 g/acre at 15- 20 DAS as an alternate to manual weeding. Drain out water from paddy field before spraying of herbicide and irrigate the field after 2- 3 days. Always use clean water for herbicide application. Use flat fan nozzle or flood jet nozzle for herbicide application.
MAIZE (Vegetative)	For early sown crop, Hand weeding and earthing up should be done at 20-25 DAS. Apply 55 kg of urea per acre at this stage. If there is infestation of Fall Army Worm spray Emamectin Benzoate 5 % S.G @4 gram/ 10 litre of water or Spinetoram 11.7% S.C @ 5 ml/ 10 litre of water or Chlorantraniliprole 18.5% S.C @ 4 ml/10 litre of water in clear weather condition. 200 litre of water per acre is required to spray the Insecticide.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	Deworming and vaccination of animal against FMD, HS and BQ should be ensured because with commencement of monsoon (during rainy season) it spread rapidly among animals. Damaged roof of the shed should be repaired to prevent leakage of water.

Fisheries Specific Advisory:

Fisheries	Fisheries Specific Advisory
FRESH WATER	Carp such as Rohu, Catla and Mrigal, which grow rapidly, should be stocked in a certain ratio of 4:3:3 to increase the benefits. Generally, a density of 5,000 fingerlings/ha is kept as a standard stocking. Groundnut oil cake and rice bran is given in same ratio @ 5% of the total biomass of stocking material. Cow dung, urea and super phosphate should be applied to increase pond quality.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
PLANT PROTECTION	The Mosaic disease is transmitted by whitefly and other sucking pests in vegetable crops. To manage this disease care should be taken from the start of sowing. Seed Treatment should be done with Imidacloprid 75 % WG @ 4 gram/kg of seeds. To manage the vectors of the disease, install 8-10 Nos of Yellow sticky traps starting from 10-12 DAS. Spray neem-based pesticide (Neem Oil 1500 PPM @600-ml/acre by mixing it in 200-litre of water starting from 15-DAS. In case of severe infestation spray Thiamethoxam 25

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
	% WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre by mixing it in 200-litre of water in clear weather condition.

Likely impacts of weather warnings (General)

<input type="checkbox"/> Damage and lodging, Shattering of matured pods in rice, pulses and oilseeds <input type="checkbox"/> Lodging of vegetable crops <input type="checkbox"/> Damage to Nursery <input type="checkbox"/> Damage and lodging of fruit crops <input type="checkbox"/> Water logging in fields

Impact based advisories (General)

<p>1. Damage and lodging, Shattering of matured grains/pods in rice, pulses and oilseeds • Make arrangements for drainage in green gram and black gram • Harvest the matured arhar, mung, black gram before the rain as soon as possible to avoid quality deterioration. 2. 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 li</p>
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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>