



Agromet Advisory Bulletin

Date : 2025-07-25

Weather Forecast of District GAJAPATI (Odisha) Issued On : 2025-07-25 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-07-26	2025-07-27	2025-07-28	2025-07-29	2025-07-30
Rainfall(mm)	8.0	5.0	3.0	2.0	2.0
Tmax(°C)	33.0	32.0	34.0	34.0	34.0
Tmin(°C)	27.0	26.0	26.0	26.0	26.0
RH-I(%)	95	94	90	88	89
RH-II(%)	83	74	64	69	73
Wind Speed(kmph)	8	8	9	11	10
Wind Direction(Degree)	252	236	246	262	268
Cloud Cover(Octa)	5	5	4	3	3
Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	No Warning	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 very light to light rain up to Tuesday with partly to generally cloudy sky. The wind speed is likely to remain within 08.0 to 11.0 kmph for the next five days. The daily maximum and minimum temperature may range from 32.0°C to 34.0°C and 26.0°C to 27.0°C respectively. Relative humidity during the morning and the afternoon may range between 88 to 95 percent and 64 to 83 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 34.7°C and the mean minimum daily temperature was 24.6°C of the Gajapati district during the last week. The district received 46.4 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:

In view of realized rainfall during last week, sowing of crops like cotton, red gram, maize, green gram, groundnut should be completed by this week.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Nursery/seedling)	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 (Seedling Growth)	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.
GROUNDNUT (Seedling Growth)	If pre-emergence herbicide is not applied during sowing than to manage weeds in Groundnut crop post emergence application of herbicide like Imazethapyr 10 % SL @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water after completion of rain.
FINGER MILLET (Sowing)	Seed treatment can be done before sowing or transplanting with 2 gm Carbendazim 50% WP or 3 gm Thiram 75% WP. For line sowing and broadcasting, requirement of seeds are 3 kg and 4 kg respectively. Seeds should be sown with line to line spacing 25 cm at a depth of 3-4 cm. For transplanting 2.5 kg seeds are required for 1 acre land. 25-30 days old seedlings should be transplanted at a distance of 20 cm between rows and 10 cm within plants. Depth of transplanting should be 3 cm. Some improved varieties of finger millet are Dibyasingha, Champabati, Nilachal, VL-149, VL-376, Godabari, Vairabi, Sweta etc.
COTTON (Vegetative)	The crop is at germination to three-week stage. Carry out hoeing, weeding and 1st top dressing followed by earthing up at three to four-week stage of crop observing the soil moisture. Apply 26kg urea with 20kg MOP in hybrids and 20kg urea with 15kg MOP in high-yielding varieties.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
BRINJAL (Nursery/seedling)	High soil moisture & moderate soil temperature (<28oC) and more RH during the rainy season. Dampness due to high rainfall and poor drainage cause damping off disease in brinjal. To control damping off disease of brinjal seedlings in the nursery, drench the bed soil with solution of 20 gm Metalaxyl and Mancozeb in 10-litre water. The brinjal seedlings become ready for transplanting after 25-30 days of sowing. In the evening of one day before uprooting seedlings for transplanting, drench the nursery bed soil with a

Horticulture (Stage)	Horticulture Specific Advisory
	solution made of 20-gram Copper oxychloride and 1- gram Streptocycline dissolved in 10-litre of water.
BRINJAL (Seedling Growth)	High soil moisture & moderate soil temperature (<28°C), high RH, high rainfall and poor drainage during this rainy season may cause damping off disease. Drench the soil with Mancozeb @ 3g/ltr or foliar spray with Metalaxyl @ 2g/ltr or Metalaxyl+Mancozeb @ 3g/ltr.

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.
GOAT	In the rainy season, goats might be infected with PPR in absence of proper vaccination. Goats aging more than three months must be vaccinated for PPR. In case the disease occurs isolate the goat and give proper attention to their feed and drink and hygiene of the shelter. The goat might die within 4-7 days so consult the nearby veterinary specialist for proper medication.
COW	Monsoon rain might lead to dampness and lack of drainage, use sand and ash to get rid of the excess moisture. Clean the shelter floor twice with phenyl to avoid the flies and diseases associated with them.

Fisheries Specific Advisory:

Fisheries	Fisheries Specific Advisory
COMMON FISH	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 % 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)

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 Metalaxy1 8% + Mancozeb 64 % WP mixed in 10 li

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>